

Country of Residence	First Name of Presenting Author	Last Name of Presenting Author	Affiliation/Organization	Presentation Title	Session Title	Congress Theme
Afghanistan	Tatyana	Ruseva	Appalachian State University	A comparative analysis of regional and local scale reforestation in the United States and Brazil	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Albania	Haki	Kola	CNVP Kosovo	Sustainable Coppice Forest Management in the Balkan	113 Coppice forests - a tradition with future	Forests for People
Albania	Erjon	Muharremaj	University of Tirana	Challenges of the forest and environment legislation for better biodiversity in Albania	42 Innovative forest and environmental legislation for better diversity	Forests for People
Argentina	Stella	Bogino	State University of San Luis	Fire impact on the structure and dynamic of <i>Prosopis caldenia</i> woodlands in the Argentinean pampas	Dendrochronology: detecting and modelling climate change and fire impacts	Forests and Climate Change
Argentina	Stella	Bogino	State University of San Luis	Sex-related, growth-climate association of <i>Araucaria angustifolia</i> in subtropical planted forests in Argentina	71 Climate Change: A driver for land-use change and adaptive forest management on six continents	Forests and Climate Change
Argentina	Sandra	Bravo	Facultad de Ciencias Forestales UNSE	Response of small individuals of hardwood species to surface fires in western Chaco region, Argentina	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Argentina	Juan	Corley	INTA	Patch size for <i>Sirex noctilio</i> in fragmented landscapes.	206 Ecology and management of invasive wood boring pests in a changing world	Forest Health in a Changing World
Argentina	Edgar	Eskiviski	INTA	Integrated Management of <i>Sirex noctilio</i> using the nematode <i>Deladenus siricidicola</i> in Argentina	206 Ecology and management of invasive wood boring pests in a changing world	Forest Health in a Changing World
Argentina	Maria Elena	Fernandez	CONICET- INTA EEA Balcarce, Of. Tandil	Unraveling the adaptive meaning of wood in <i>Eucalyptus</i> species	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
Argentina	Monica	Gabay	Directorate of Forestry	Reaching out: The role of Argentine Model Forests in the implementation of the federal forest policy	42 Innovative forest and environmental legislation for better diversity	Forests for People
Argentina	Jonathan	Henn	Centro Austral de Investigaciones Cientificas	Invasive North American beaver (<i>Castor canadensis</i>) habitat selection and impact in Tierra del Fuego, Argentina	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Argentina	Andres	Martinez	INTA-CONICET	<i>Sirex noctilio</i> flight: Patterns in vertical distribution.	206 Ecology and management of invasive wood boring pests in a changing world	Forest Health in a Changing World
Argentina	Andres	Martinez	INTA-CONICET	<i>Sirex noctilio</i> host searching behavior: use of reliable infochemicals emitted by fungal symbiont	206 Ecology and management of invasive wood boring pests in a changing world	Forest Health in a Changing World
Argentina	GUILLERMO JOSE	MARTINEZ PASTUR	CONICET	Forest conservation strategies in Southern Patagonia: Differences between theory and practice	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
Argentina	GUILLERMO JOSE	MARTINEZ PASTUR	CONICET	Litterfall production and potential nutrients return in <i>Nothofagus antarctica</i> stands growing at different site qualities in Southern Patagonia, Argentina	170 Long-term forest research on forest ecosystem management	Forest Biodiversity and Ecosystem Services
Argentina	GUILLERMO JOSE	MARTINEZ PASTUR	CONICET	Decrease of terrestrial net primary production (NPP) in Southern Patagonia (Argentina) during the period 2000-2012	117 Remote sensing in carbon balance evaluation and monitoring	Forests and Climate Change
Argentina	Clara	Minaverly	Universidad de Buenos Aires, CONICET	Present and future legal framework of environmental services in Argentina	42 Innovative forest and environmental legislation for better diversity	Forests for People
Argentina	Mariana	Moya	Facultad de Agronomía. Universidad de Buenos Aires	THE PARANA DELTA NEIGHBORING TO METROPOLITAN BUENOS AIRES AND PEOPLE. TOWARDS A TRANSFORMATION OF RELATIONS	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People

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Argentina	Julián Alberto	Sabattini	Cátedra Ecología de los Sistemas Agropecuario (FCA UNER)	Environmental and vegetation units of native forests according to their edaphic conditions in a farm in Feliciano, Entre Rios, Argentina	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Argentina	Rafael Alberto	Sabattini	Cátedra Ecología de los Sistemas Agropecuario (FCA UNER)	Degraded native forest characterization by remote sensing in a private field in Feliciano, Entre Rios, Argentina	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Armenia	Andranik	Ghulijanyan	Zikatar Environmental Center SNCO, Director	Legal aspects of the establishment of community forests in Armenia	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
Australia	Mauricio	Acuna		Key fuel quality attributes and operational factors that affect the economics of biomass supply chains	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Australia	Mauricio	Acuna		Managing Coppice in Australian Eucalypt globulus Plantations	113 Coppice forests - a tradition with future	Forests for People
Australia	Fernanda	Adame	Griffith University	The value of the protection and restoration of mangroves in Mexico as a climate change mitigation strategy	81 Tropical forest wetlands, climate, and land-use change: Adaptation and mitigation opportunities	Forests and Climate Change
Australia	Mohammed	Alamgir	School of Earth and Environmental Science, James Cook University	Forest user's perception to climate change and its impact	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Australia	Cristina	Aponte	University of Melbourne, Australia	Long-term effects of repeated prescribed fires on aboveground carbon stocks in a temperate eucalypt forest	110 Managing forest for fire in a changing climate	Forests and Climate Change
Australia	Stefan	Arndt	The University of Melbourne	Hydraulic and ecophysiological traits related to tree drought mortality are linked to the aridity of the environment in eucalypts	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
Australia	Dionisio	Battad	South Australian Forestry Corporation	The Role of Geospatial Technology in Monitoring Forest Pest Infestations in Planted Forests: The South Australian Forestry Corporation Experience	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future
Australia	Jack	Baynes	University of Queensland	Why bother to plant trees? The difficulties of legally harvesting small-scale community forests in the Philippines.	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Australia	Cris	Brack	Australian National University	Do we have to measure all those trees again? The potential for variable probability sampling.	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
Australia	David	Brand	New Forests, Pty Limited	What is needed to make markets for forest ecosystem services a reality?	139 The future of ecosystem services from forests	Forest Biodiversity and Ecosystem Services
Australia	Leon	Bren	University of Melbourne	Forest watershed management policies and practices meeting increasing multiple needs in a changing world	Forests, water, and people	Sub-plenary session
Australia	Niels	Brouwers	Murdoch University, Centre of Excellence for Climate Change, Woodland and Forest Health	The impact of a changing climate on Net Primary Production of Mediterranean forests in southwest Western Australia	232 Vegetation zone shifts in response to climate change	Forests and Climate Change
Australia	David	Bush	CSIRO	Novel tropical and subtropical eucalypts species for biomass energy production on marginal sites	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy

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Australia	Matthew	Chick	University of Melbourne	The season, severity, and frequency of prescribed fire shaping the community dynamics of heathland shrub species	110 Managing forest for fire in a changing climate	Forests and Climate Change
Australia	Matthew	Chick	University of Melbourne	The season, severity, and frequency of prescribed fire shaping the community dynamics of heathland shrub species	138 Forests, fire and climate change dynamics	Forests and Climate Change
Australia	Valerie	Debus	Department of Agriculture, Fisheries & Forestry, Queensland, Australia and Forest Industries Research Centre, University of the Sunshine Coast, Queensland, Australia	Patterns and processes affecting stem borers in subtropical eucalypt plantations	206 Ecology and management of invasive wood boring pests in a changing world	Forest Health in a Changing World
Australia	Thomas	Fairman	The University of Melbourne	Does logging and recurrent fires make temperate forests more fire-prone? Perspectives from long-term studies in East Victoria, Australia	110 Managing forest for fire in a changing climate	Forests and Climate Change
Australia	Melissa	Fedrigo	The University of Melbourne	Combining lidar structure and ecology data in predictive ecosystem mapping models for improved estimates of landscape-scale forest carbon	49 Using multi-source remotely sensed data and nearest neighbor techniques to improve inference for natural resource applications.	Forests and Climate Change
Australia	Benedikt	Fest	The University of Melbourne	Climate change and fire influence the methane uptake capacity in Australian eucalypt forest soils	138 Forests, fire and climate change dynamics	Forests and Climate Change
Australia	Benedikt	Fest	The University of Melbourne	Planned burning vs. wildfire impact on soil methane flux – implications for forest fire management	110 Managing forest for fire in a changing climate	Forests and Climate Change
Australia	Rebecca	Ford	Melbourne School of Land and Environment	A bottom up approach to criteria and indicators: values and cues in public evaluations of forest management in Australia	28 Ethics and values in relation to forest, wildlife and recreation management	Forests for People
Australia	Anne	Griebel	University of Melbourne	Novel automated terrestrial Lidar sensor decreases forest measurement uncertainties when used in a multi-method approach.	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
Australia	Giles	Hardy	Murdoch University	Impact of invasive Phytophthora species on wildland plant communities in Western Australia and society responses to their management	15 Societal impacts of invasive forest pathogen and pests	Forest Health in a Changing World
Australia	Giles	Hardy	Murdoch University	A mobile application and citizen science to monitor incidence and severity of marri (Corymbia calophylla) Quambalaria coyrecup cankers in Australia	15 Societal impacts of invasive forest pathogen and pests	Forest Health in a Changing World
Australia	Richard	Harper	Murdoch University	Optimising water co-benefits from forest carbon mitigation	256. Managing forests and forest uses to protect and provide clean water	Forest and Water Interactions
Australia	Richard	Harper	Murdoch University	Continued evolution of Australian forest-climate change policies	188 Ineffective international forest policy? The role of forest information, international law and politics	Forests for People
Australia	John	Herbohn	The University of Queensland	Designing mixed species systems for community and smallholder forestry in the tropics to achieve multiple objectives	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People

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Australia	Thu-Ba	Huynh	University of Melbourne	REDD+ and Community Adaptive Capacity in the Central Highlands of Vietnam.	46 Understanding the relationships among biodiversity, carbon, and people for REDD+ forests: The importance of environmental and social safeguards	Forests and Climate Change
Australia	Amelia (Amy)	Koch	Forest Practices Authority	Landscape-scale planning for biodiversity in Tasmanian production forests	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
Australia	Heni	Kurniasih	Melbourne School of Land and Environment, The University of Melbourne, Australia	INNOVATION IN COMMUNITY FORESTRY: UNDERSTANDING COMMUNITY FORESTRY DEVELOPMENT STAGES IN INDONESIA	(Forests for People)	Forests for People
Australia	Justine	Lacey	CSIRO	Social licence as social contract: Procedural justice, democracy and activism in the Australian forest industry	168 Communities, forests, forest industries and the Social Licence to Operate	Forests for People
Australia	Simon	Lawson	Department of Agriculture, Fisheries and Forestry, Queensland, Australia and Forest Industries Research Centre, University of the Sunshine Coast, Queensland, Australia	BICEP: Australia's key role in providing biocontrol solutions for global Australian-origin eucalypt pests.	166 Global approaches to the biological control of invasive Eucalyptus pests	Forest Health in a Changing World
Australia	Brendan	Mackey	Griffith University	Sustainable pathways for primary forest under a changing climate: ecological, social and economic constraints	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services
Australia	Eko	Maiguo	University of Melbourne, Australia	Assessment of Vulnerability and Impacts of Climate Change on Tropical Forests in Papua New Guinea (PNG)	232 Vegetation zone shifts in response to climate change	Forests and Climate Change
Australia	David	Mannes	Forestry Tasmania	Evolution and Maintenance of a Permanent Plot system in an evolving political and technical landscape.	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
Australia	Tek	Maraseni	University of Southern Queensland	An assessment of the impacts of the REDD+ pilot project on community forests user groups (CFUGs) and their community forests in Nepal	46 Understanding the relationships among biodiversity, carbon, and people for REDD+ forests: The importance of environmental and social safeguards	Forests and Climate Change
Australia	Tek	Maraseni	University of Southern Queensland	A comparative analysis of global stakeholders' perceptions of the governance quality of the CDM and REDD+	(Forests and Climate Change)	Forests and Climate Change
Australia	George	Matusick	Centre of Excellence for Climate Change, Woodland and Forest Health, Murdoch University	Multi-year response to historic drought-induced canopy dieback in a Mediterranean-type forest in southwestern Australia	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
Australia	George	Matusick	Centre of Excellence for Climate Change, Woodland and Forest Health, Murdoch University	Frost pocket effect results in severe canopy damage in a Mediterranean-type forest in southwestern Australia	(Forests and Climate Change)	Forests and Climate Change

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Australia	Roger	Meder	CSIRO	Visualising the environmental responses of forest tree populations	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
Australia	Roger	Meder	CSIRO	Rapid, cost-effective and non-destructive phenotypic determination of meaningful end use properties in tree breeding programmes	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
Australia	Daniel	Mendham	CSIRO Ecosystem Sciences	Integrating our understanding of water, nutrition and physiology to manage tropical Eucalyptus and Acacia plantations	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future
Australia	Caroline	Mohammed	University of Tasmania	Consequences of damage modifications for forest pest management	38 Is climatic change modifying the characteristics of insect damage in forests?	Forest Health in a Changing World
Australia	Sharif Ahmed	Mukul	The University of Queensland	Biodiversity and ecosystem carbon budget in the upland landscapes following shifting cultivation by small-holder kaingin farmers in the Philippines	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Australia	Helen	Nahrung	Forest Industries Research Centre, University of the Sunshine Coast, Queensland, Australia	Sirex noctilio woodwasp in Australia: a little further north each year	206 Ecology and management of invasive wood boring pests in a changing world	Forest Health in a Changing World
Australia	Craig	Nitschke	University of Melbourne	Climate change impacts in the temperate forests of Southeast Australia: can forest management reduce vulnerabilities?	107 Forest management for adaptation to climate change	Forests and Climate Change
Australia	Geoff	Pegg	Agri-Science Queensland, DAFF	Myrtle Rust, current and future impacts on Myrtaceous diversity in Australia	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
Australia	Phil	Polglase	CSIRO	Increases in soil carbon and C/N ratio in pine forests 34 years after phosphorus fertilizer addition: measurement and modeling	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
Australia	Katinka	Ruthrof	Centre of Excellence for Climate Change, Woodland and Forest Health, Murdoch University	Intervention strategies for community driven restoration of an iconic canopy species with specific regeneration niche requirements	Forest regeneration: challenges and prospects	Forest Biodiversity and Ecosystem Services
Australia	Katinka	Ruthrof	Centre of Excellence for Climate Change, Woodland and Forest Health, Murdoch University	Drought-induced canopy collapse triggers increased fuel loadings: implications for fire behaviour in a Mediterranean-type eucalyptus forest	138 Forests, fire and climate change dynamics	Forests and Climate Change
Australia	Legi	Sam	Environmental Futures Centre, & School of Environment, Griffith University, Australia	Folivorous insect communities on Ficus (Moraceae) trees along an altitudinal gradient in Papua New Guinea	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Australia	Gregor	Sanders	The University of Melbourne	Do leaf adaptations to low water potential influence isohydric or anisohydric responses in a widely distributed genus?	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions

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Australia	Stanley	Sochacki	Murdoch University	A sustainability index for improving nutrient management in short rotation bioenergy systems	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
Australia	Emma	Soraya	The Australian National University/ Universitas Gadjah Mada	Growth dynamics of silvertop ash regrowth forests in East Gippsland in response to contrasting thinning and fertiliser applications: A twenty-year evaluation	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future
Australia	Geoff	Stoneman	Department of Parks and Wildlife	Long-term response of streamflow and groundwater to timber harvesting and declining rainfall in a small forest catchment in south-western Australia	256. Managing forests and forest uses to protect and provide clean water	Forest and Water Interactions
Australia	Geoff	Stoneman	Department of Parks and Wildlife	Response in forest policy as a result of reduced risk of stream salinity associated with timber harvesting in a changing climate	107 Forest management for adaptation to climate change	Forests and Climate Change
Australia	Helen	Vickers	Department of Forest and Ecosystem Science, The University of Melbourne, Australia	Diversity, composition and distribution: how fire influences the shrubby understorey both now and in the future	138 Forests, fire and climate change dynamics	Forests and Climate Change
Australia	Helen	Vickers	Department of Forest and Ecosystem Science, The University of Melbourne, Australia	A matter of scale? Predicting the distribution of shrub species at the local or landscape level using a national dataset	232 Vegetation zone shifts in response to climate change	Forests and Climate Change
Australia	Mingzhu	Wang	Macquarie University	Improving urban forest management using remote sensing technologies along major transport corridors in Sydney, Australia	88 Resilience and Identity with urban forests: A landscape system approach	Forests for People
Australia	Robert	Waterworth	Australian Government	Methods of integrating remote sensing and ground data in carbon accounting systems	248 National forest sector greenhouse gas inventories following IPCC guidance and guidelines: Requirements, methods, and national examples	Forests and Climate Change
Australia	Robert	Waterworth	Australian Government	A decision making framework for designing a carbon accounting system	248 National forest sector greenhouse gas inventories following IPCC guidance and guidelines: Requirements, methods, and national examples	Forests and Climate Change
Australia	KARNITA	YUNIARTI	University of Melbourne	Collapse Development on Eucalyptus saligna at Different Drying Temperature Levels	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Austria	Torsten W.	Berger	Institute of Forest Ecology, BOKU-University Vienna	Greater accumulation of litter in spruce (Picea abies) compared to beech (Fagus sylvatica) stands is not a consequence of the inherent recalcitrance of needles	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
Austria	Geraldine	Bocqueho	IIASA	REDD-PAC: Building an integrated land-use model for assessing REDD+ policies	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
Austria	Viktor	Bruckman	Commission for Interdisciplinary Ecological Studies of Austrian Academy of Science	Biochar application in forestry: a multinational approach to assess the potentials for negative carbon emissions	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy

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Austria	Thomas	Geburek	Department of Forest Genetics - Federal Research Centre for Forests	Range-wide geographic variation in <i>Prunus africana</i> at the molecular and chemical level	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
Austria	Thomas	Geburek	Department of Forest Genetics - Federal Research Centre for Forests	Austrian Forest Biodiversity Index (AFBI) – concept and results	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
Austria	Douglas	Godbold	Institute of Forest Ecology, University of Natural Resources and Life Sciences (BOKU)	Tree species identity influences the accumulation of recalcitrant deep soil carbon	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
Austria	Michael	Grabner	University of Natural Resources and Life Sciences BOKU Vienna	Utilization of different Austrian wood species in past times – Knowledge for the future	5 Wood and forest culture: merging the past with the present	Forests for People
Austria	Michael	Grabner	University of Natural Resources and Life Sciences BOKU Vienna	The influence of drought on the density of different softwood species and provenances grown in Eastern Austria.	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
Austria	Hubert	Hasenauer	Institute of Silviculture, BOKU University of Natural Resources and Life Sciences	Assessing forest productivity: Terrestrial forest inventory versus MODIS satellite driven estimates	222 Forest management options to tackle climate change	Forests and Climate Change
Austria	Maria Anna	Huka	University of Natural Resources and Life Sciences, Vienna	Production planning at a sawmill – comparing optimization models with simple heuristics for the short term multi-period production problem	87 Innovation in the forest sector: maximizing the sector's competitiveness	Forests and Forest Products for a Greener Future
Austria	Florian	Irauschek	University of Natural Resources and Life Science Vienna	Ecosystem services and climate change. A decision support process for a community forest in the Austrian Alps	118 Providing ecosystem services under climate change: Community of practice of forest decision support systems	Forest Biodiversity and Ecosystem Services
Austria	Robert	Jandl	Forest Research Center	Soil amelioration for combatting acid rain – an appraisal of past efforts	180 Air pollution as a factor affecting global forest health	Forest Health in a Changing World
Austria	Elisabeth	Johann	Division 9, Research group 9.03	Network "Forest Culture" in Austria. A new approach to put international agreements into practice for the benefit of local people	227 Knowledge exchange and communication of forest research for human and community well-being	Forests for People
Austria	Stampfer	Karl	BOKU	State of the art and perspectives of European cable yarding technologies and systems	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services
Austria	Stampfer	Karl	BOKU	Forest Operations Engineering and Management Achievements and Perspectives - The FORMEC view	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
Austria	Klaus	Katzensteiner	BOKU University Vienna	How much is too much?	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Austria	Klaus	Katzensteiner	BOKU University Vienna	Humus dynamics in timberline ecotones - Case studies from the Austrian Alps	Monitoring soil carbon stocks and dynamics at variable spatial scales	Forests and Climate Change

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Austria	Nikolay	Khabarov	International Institute for Applied Systems Analysis (IIASA), Ecosystems Services and Management Program (ESM)	REDD Options as a Risk Management Instrument under Policy Uncertainty and Market Volatility	Modeling and simulation systems	Forests and Climate Change
Austria	Nikolay	Khabarov	International Institute for Applied Systems Analysis (IIASA), Ecosystems Services and Management Program (ESM)	Forest Fires and Adaptation Options in Europe	138 Forests, fire and climate change dynamics	Forests and Climate Change
Austria	Heino	Konrad	Department of Forest Genetics - Federal Research Centre for Forests	Nuclear population structure of the Austrian Picea abies population	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
Austria	Andrey	Krasovskii	Ecosystems Services and Management Program (ESM), International Institute for Applied Systems Analysis (IIASA)	Discount Options as a Financial Instrument Supporting REDD+	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
Austria	Florian	Kraxner	Ecosystems Services and Management Program (ESM), International Institute for Applied Systems Analysis (IIASA)	Principles of BECCS - Regional and National Case Studies – Assessing the Potentials	243 Global and regional deployment of Biomass & CCS (BECCS): Reconciling top-down and bottom-up approaches and REDD+BECCS Nexus	Forest Biomass and Bioenergy
Austria	Florian	Kraxner	Ecosystems Services and Management Program (ESM), International Institute for Applied Systems Analysis (IIASA)	Global Forest Management Certification – Future Development Potentials	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
Austria	Manfred	Lexer	University of Natural Resources and Life Sciences, Vienna	Study the potential of Lebanon oak (Quercus libani Oliv.) for coppice regeneration in northern Zagros forests of Iran	113 Coppice forests - a tradition with future	Forests for People
Austria	Manfred J.	Lexer	University of Natural Resources and Life Sciences, Vienna	Current and future provision of ecosystem services in European mountain forests	139 The future of ecosystem services from forests	Forest Biodiversity and Ecosystem Services
Austria	Michael	Maroschek	Institute of Silviculture, Department of Forest and Soil Sciences, University of Natural Resources and Life Sciences, Vienna	Extending and improving indicator based assessment tools for rockfall protection	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services
Austria	Adam	Moreno	University of Natural Resources and Life Sciences Vienna	A new European climate dataset	(Forests and Climate Change)	Forests and Climate Change
Austria	Aline	Mosnier	IIASA	REDD+ projects in the Democratic Republic of Congo: impacts on future emissions, income and biodiversity	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change

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Austria	Michael	Obersteiner	Ecosystems Services and Management Program (ESM), International Institute for Applied Systems Analysis (IIASA)	Forest relevant actions to the three Rio Conventions	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
Austria	Michael	Obersteiner	Ecosystems Services and Management Program (ESM), International Institute for Applied Systems Analysis (IIASA)	Addressing the Drivers of Deforestation: Exploring Synergies between REDD+ and forest policy	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
Austria	Mariana	Pedro	BOKU	Testing the insurance hypothesis: Can tree species diversity buffer ecosystem services against disturbance impacts?	107 Forest management for adaptation to climate change	Forests and Climate Change
Austria	Susana	Perez	University of Natural Resources and Life Sciences, Vienna	Exploring the relationship between tree species diversity and forest ecosystem services in face of climate change	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
Austria	Stephan A.	Pietsch	University of Natural Resources and Life Sciences	Past, presence and possible futures of the western Congolian lowland rainforest (WCLRF)	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services
Austria	Stephan A.	Pietsch	University of Natural Resources and Life Sciences	Carbon offsetting by small holder farmers in the Congo basin : economic and policy constraints	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
Austria	Ulrike	Pröbstl-Haider	University of Natural Resources and Life Sciences Vienna	Introduction to the IUFRO Forests for People strategy	Forests for people: Ecosystem services under pressure?	Sub-plenary session
Austria	Ulrike	Pröbstl-Haider	University of Natural Resources and Life Sciences Vienna	Understanding and directing small-scale private forest owner behaviour towards climate change adaptation	27 Forest owners and climate change adaptation	Forests and Climate Change
Austria	Peter	Rauch	BOKU	Impacts of forest resource competition on future bioenergy production in Austria – Answers by a System Dynamics Model	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Austria	Mathias	Schardt	Joanneum Research	Methods for EU-wide Mapping of Growing Stock and Above-Ground Biomass Based on Satellite Remote Sensing and Field Measurements	117 Remote sensing in carbon balance evaluation and monitoring	Forests and Climate Change
Austria	Dmitry	Schepaschenko	IIASA	Towards a global biomass baseline map for the year 2000 to meet REDD+ policy requirements	243 Global and regional deployment of Biomass & CCS (BECCS): Reconciling top-down and bottom-up approaches and REDD+BECCS Nexus	Forest Biomass and Bioenergy
Austria	Dmitry	Schepaschenko	IIASA	Global forest map: exploring the synergy of remote sensing, crowd sourcing and statistics	250 New developments and use of the UN-sponsored Global Forest Resource Assessment	Forests and Climate Change
Austria	Andreas	Schindlbacher	Forest Research Center	Warming effects on soil C-cycling: Recap after nine years of artificial soil warming in a temperate spruce forest	Monitoring soil carbon stocks and dynamics at variable spatial scales	Forests and Climate Change

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Austria	Stefan	Schindler	CIBIO/InBio-Universidade do Porto (Portugal), Biodiversity & Nature Conservation, Environment Agency Austria, University of Vienna, Vienna, Austria.	Effects of variable retention forest management on richness and abundance of plants, insects and birds in <i>Nothofagus pumilio</i> forests	170 Long-term forest research on forest ecosystem management	Forest Biodiversity and Ecosystem Services
Austria	Carmen M.	Schmid	University of Natural Resources and Life Sciences	AgriCarb: an option for rural development in Gabon	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
Austria	Silvio	Schueler	Austrian Federal Research Center for Forest	Utilizing the intraspecific variation in climate response to select appropriate Douglas fir provenances for European plantations in future climates	75 Adaptive forest management under climate change – networking from local to global scales in the temperate zones	Forests and Climate Change
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Austria	Rupert	Seidl	University of Natural Resources and Life Sciences (BOKU) Vienna, Austria	Disturbance regimes and ecosystem services in a changing world	Resilience of forest ecosystem services to changing disturbance regimes	Sub-plenary session
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Austria	Harald	Vacik	Institute of Silviculture, University of Natural Resources and Life Sciences	Community of Practice of Forest Management Decision Support Systems and Lessons Learned for DSS development and application	118 Providing ecosystem services under climate change: Community of practice of forest decision support systems	Forest Biodiversity and Ecosystem Services
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Austria	Gehard	Weiss	BOKU	Forest land ownership changes in Europe: significance for management and policy	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
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Bangladesh	Sayma	Akhter	School of Environment, Natural Resources and Geography, Bangor University, UK.	A New Look at Wild Fruit Species: Implications for Conservation	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People

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Bangladesh	Mohammed Kamal	Hossain	Institute of Forestry and Environmental Sciences, Chittagong University	Growth performance of four major plantation tree species and changes on soil properties of a private plantation forest in Chittagong, Bangladesh	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
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Bangladesh	Md. Wasiul	Islam	Khulna University	Prospects of Strengthening Social Forestry in the Coastal Areas through Introducing Mangrove Species at Shyamnagar Upazila in Satkhira District, Bangladesh	255. Ecology and management of coastal forests and mangroves	Forest and Water Interactions
Bangladesh	Md. Wasiul	Islam	Khulna University	Assessment of tourism impacts towards sustainable co-management approach- a case study at Satchari National Park, Bangladesh	Social sustainability of forest resource use	Forests for People
Bangladesh	Md. Wasiul	Islam	Khulna University	Performance of Joint Community Patrolling at Lawachara National Park, Bangladesh	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
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Bangladesh	Md. Wasiul	Islam	Khulna University	Co-management Approach to Protect the Protected Areas: Realistic or naive?	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People
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Bangladesh	Md. Enamul	Kabir	Khulna University	Can Homegardens Conserve Biodiversity in Bangladesh?	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Bangladesh	Mohammed	Mohiuddin	Bangladesh Forest Research Institute	Contribution of tribal women in biodiversity conservation and ecosystem restoration in the Bandarban Hill District of Bangladesh	190 Value of traditional knowledge for sustainable forest management	Forests for People
Bangladesh	Tapan Kumar	Nath	University of Chittagong	People's Dependency, Co-management and Forest Conservation: Case of a Protected Area in Bangladesh	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People

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Bangladesh	Md. Mizanur	Rahman	Chairman, Co-management council, Chandpai-IPAC, Sundarbans	Impact of Climate Change on the Nypa Palm of Sundarbans	255. Ecology and management of coastal forests and mangroves	Forest and Water Interactions
Bangladesh	Syed	Rahman	University of Copenhagen	Increasing Tree Cover in Degrading Landscapes: 'Integration' and 'Intensification' of Smallholder Forest Culture in the Alutilla Valley, Matiranga, Bangladesh	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
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Bangladesh	Md. Nazmus	Sadath	Khulna University and Georg August University, Göttingen	Science in forest policy program and political discussion: The Example of Bangladeshi forest policy program and print media discourse.	227 Knowledge exchange and communication of forest research for human and community well-being	Forests for People
Bangladesh	Md. Nazmus	Sadath	Khulna University and Georg August University, Göttingen	Forest offenders become the protector of the forest: A case study from Bangladesh inland Sal Forest.	63 Forests and human wellbeing: Life satisfaction and behavioral approaches	Forests for People
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Belgium	Pauline	Gillet	ULg- Gembloux Agro-Bio Tech	The effect of the deforestation rate on human activities in Central Africa: CoForTips project	(Forests for People)	Forests for People
Belgium	Julie	Morin-Rivat	Univ. Liège - Gembloux Agro - Bio Tech	Knowing the past to anticipate the future: soil charcoal as a proxy to model the evolution of tropical forests	(Forests and Climate Change)	Forests and Climate Change
Belgium	Bart	Muys	KU Leuven	Approaches to evaluate the carbon neutrality of the forest value chain	222 Forest management options to tackle climate change	Forests and Climate Change
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Belgium	Francois	Ridremont	ULg - GxABT - GRFMN	Relevance of Lidar canopy and relief indicators in the assessment of spatial distributions soil water resources under forest stands	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
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Benin	Fiacre Codjo	AHONONGA	Programme d'Appui aux Parcs de l'Entente	Dynamic quality trophies of wild ungulates in hunting areas of Biosphere Reserve Pendjari	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Benin	Hugues	AKPONA	National Forest Office, Benin	Spotted necked otters vs. fishermen in Hlan river, Benin): key ecological and socio-economic factors of a conflict.	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People
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Benin	Gbènakpon Aubin Yamonwan Guénoilé	Amagnidé	Département de Génie de l'Environnement, Ecole Polytechnique d'Abomey-Calavi, Université d'Abomey-Calavi, 01 BP 2009 Cotonou (République du Bénin)	Ecological consequences of tree-logging in natural tropical vegetation: a case study of Wari-Marô Forest Reserve (Benin)	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services
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Benin	Ogoudje Isidore	AMAHOWE	National Forest Office of Benin	Vegetation structure and tree diversity in habitats exploited by elephants in Benin (West Africa)	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People
Benin	Ogoudje Isidore	AMAHOWE	National Forest Office of Benin	Spatial and temporal analysis of Wildlife dynamic in Nazinga Game Ranch in Burkina Faso West Africa	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People
Benin	Kossi Nounagnon Augustin	Aoudji	Faculty of Agricultural Sciences, University of Abomey-Calavi	Urban forestry for food and income: the case of bread tree (<i>Artocarpus altilis</i> (Parkinson) Fosberg) in southern Benin	145 Urban forest diversity and ecosystem services	Forest Biodiversity and Ecosystem Services
Benin	Emeline P.S.	ASSEDE	University of Abomey-Calavi/Laboratory of Applied Ecology	Relation between soil type and potential of regeneration in vegetation pattern of Sudanian zone	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services

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Benin	Achille	Assogbadjo	University of Abomey-Calavi	Rodents as food sources in Lama forest reserve in Benin	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People
Benin	Achille	Assogbadjo	University of Abomey-Calavi	Biodiversity and socioeconomic factors supporting farmers' choice of wild edible trees in the agroforestry systems in Benin (West Africa)	200 On farm trees: towards the promotion and development of a traditional or local silviculture in tropical and subtropical forest regions	Forests for People
Benin	Faustin	ASSONGBA	Université d'Abomey-Calavi (UAC) / Faculté des Sciences Agronomiques, Laboratoire d'Ecologie Appliquée	Influence of climate change on the geographic distribution of <i>Dialium guineense</i> Willd. (Fabaceae) in Benin	(Forests and Climate Change)	Forests and Climate Change
Benin	Gilbert	ATINDOGBE	Faculty of Agronomic Sciences, University of Abomey-Calavi	Assessment and identification of factors influencing deadwood in Benin	(Forests and Climate Change)	Forests and Climate Change
Benin	Akomian Fortuné	Azihou	Laboratory of Applied Ecology, Faculty of Agronomic Sciences, University of Abomey-Calavi	Role of pioneer gallery-forest trees in the recruitment of forest seedlings and saplings in savanna: new opportunities for ecological restoration	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
Benin	Akomian Fortuné	Azihou	Laboratory of Applied Ecology, Faculty of Agronomic Sciences, University of Abomey-Calavi	Community forests, local people and tropical biologists: new opportunities for conservation out of protected areas	(Forests for People)	Forests for People
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Benin	ADJE	Chabi Bienvenu	Benin Biodiversity Convention focal point	Contribution to creation of a Community nature reserve in southern Benin: case of the swamp forest complex of Zinvié	212 Innovative planning and managing approaches for sustainable tourism in forests and natural areas	Forests for People
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Benin	Chabi	DJAGOUN	Laboratory of Applied Ecology	Bovid responses to anthropogenic effects, habitat and environmental parameters in the Pendjari Biosphere Reserve (Northern Benin) during the dry season	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People
Benin	Chabi	DJAGOUN	Laboratory of Applied Ecology	Stable carbon isotope analysis of the diets of West African bovids in Pendjari Biosphere Reserve (Northern Benin)	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People

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Benin	Marcel T.	Donou Hounsodé	Laboratory of Applied Ecology, Faculty of Agronomic Science, University of Abomey-Calavi	Use and quantification of ethnobotanics use value of raffia in Benin	63 Forests and human wellbeing: Life satisfaction and behavioral approaches	Forests for People
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Benin	Kisito	Gandji	Laboratory of Applied Ecology/Faculty of Agronomic Sciences/University of Abomey-Calavi (Benin)	Assessment of the participatory management of forest plantations establishment: a study case from Wari-Marou forest reserve, Benin (West Africa)	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Benin	Rodrigue Castro	GBEDOMON	Laboratory of applied ecology/University of Abomey-Calavi (Benin)	Conservation by people for people: Impacts of community-NGO partnership on forest conservation and livelihood of riparian people	252 Forest-dependent community development	Forests for People
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Benin	Isidore	GNONLONFOUN	Laboratory of Applied Ecology (University of Abomey-Calavi) Benin	Effect of inventory plots patterns and spatial distribution of recruitments in their dendrometric analysis in tropical forest	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Benin	Isidore	GNONLONFOUN	Laboratory of Applied Ecology (University of Abomey-Calavi) Benin	Spatial pattern analysis of the recruitments in the Lama forest reserve in Southern-Benin	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Benin	Nounagnon Gerard	GOUWAKINNOU	Laboratoire d'Ecologie Appliquée (LEA)	Phenology and fruit production of <i>Sclerocarya birrea</i> subsp. <i>birrea</i> in agroforestry parklands of Northern Benin	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Benin	Hermann	HONFO	Laboratory of Applied Ecology	An assessment of the roles of traditional ecological knowledge in the sustainable management of the bamboo species in Benin	190 Value of traditional knowledge for sustainable forest management	Forests for People
Benin	Thierry	Houehanou	Laboratory of Applied Ecology, University of Abomey Calavi	Ecological gap analysis of a protected area in Benin: an overview on plant resources (West Africa)	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Benin	Thierry	Houehanou	Laboratory of Applied Ecology, University of Abomey Calavi	Use quantitative method for estimating local preferred uses of three multipurpose tree species in Benin (West Africa)	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
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Benin	KPETERE	Josué	Ministère de l'environnement et des Forêts	Distribution, abundance and sociological importance of Hippopotamus in Benin West Africa	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People
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Benin	eric sylvain	KOSSOU	Laboratory of applied ecology	Identification and characterisation of the vegetation communities exploited by elephants (<i>Loxodonta africana africana</i>) in the Biosphere Reserve of Pendjari	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People
Benin	Méryas Dègbémabou	KOUTON	Centre National de Gestion des Réserves de Faune (CENAGREF)	Diversity and abundance of mammals in Pendjari Biosphere Reserve, Benin - West Africa	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Benin	Méryas Dègbémabou	KOUTON	Centre National de Gestion des Réserves de Faune (CENAGREF)	From Participation to Power sharing in natural resources management: case of Pendjari Biosphere Reserve in BENIN, West Africa.	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People
Benin	Abdelaziz	Lawani	Jeunesse & Developpement	Ecosystem services and protected areas: Contribution of Pendjari National Park to Benin economy	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People
Benin	Sylvanus	Mensah	University of Abomey-Calavi	Combined effect of tree spatial patterns and inventory plot patterns in dendrometric analysis of tropical vegetation types	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
Benin	Elie	Padonou	University of Abomey-Calavi	Using species distribution models to select climate change resistant species for ecological restoration of bowé in West Africa	75 Adaptive forest management under climate change – networking from local to global scales in the temperate zones	Forests and Climate Change
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Benin	Merveille Koissi	SAVI	Laboratory of Applied Ecology	Endogenous perception of variation in fruits traits of <i>Blighia sapida</i> K.D. Koëning in the Sudanian zone of Benin	200 On farm trees: towards the promotion and development of a traditional or local silviculture in tropical and subtropical forest regions	Forests for People
Benin	ADJAHOSSOU	Sessi Gilles Christian	Laboratoire d'Ecologie Appliquée (LEA)	Suitable habitats an endangered African tree species across protected area network and implication for its conservation in Benin	75 Adaptive forest management under climate change – networking from local to global scales in the temperate zones	Forests and Climate Change
Benin	Koupamba Gisèle	SINASSON SANNI	Laboratory of Applied Ecology, Faculty of Agronomic Sciences, University of Abomey-Calavi, Benin	Combined impact of exploitation and habitat degradation on the abundance and structure of <i>Mimusops andongensis</i> Hiern in Benin	197 Forest resources assessment for non-wood forest products	Forests and Forest Products for a Greener Future

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Benin	Franck	Sinsin	Laboratoire d'Ecologie Appliquée, Faculté des Sciences Agronomiques, Université d'Abomey-Calavi, 01 BP 526 Cotonou (République du Bénin)	Tree-Ring: A Suitable Implement For Fire History Reconstruction In Savanna Woodland And Dry Forest	Dendrochronology: detecting and modelling climate change and fire impacts	Forests and Climate Change
Benin	Silvere	TOVIGNAN	University of Parakou	Willingness of urban households to contribute to sustainable forest renewing mechanism in Sub Saharan Africa: Case study in Benin	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Benin	Fifanou	VODOUHE	Laboratory of Applied Ecology	Tourism activities and biodiversity conservation within protected areas in West Africa	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
Bhutan	Kunzang	Choden	Council for Renewable Natural Resources Research of Bhutan, Ministry of Agriculture and Forests, Thimphu, Bhutan	Community Forestry for Rural Livelihoods and Environmental Conservation - a case study from Bhutan	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
Bhutan	Kunzang	Choden	Council for Renewable Natural Resources Research of Bhutan, Ministry of Agriculture and Forests, Thimphu, Bhutan	Local Perception on climate change and its impacts on forest and biodiversity in Bhutan	107 Forest management for adaptation to climate change	Forests and Climate Change
Bolivia	Huascar	Camacho Mojica		Economic valuation of the relict of algarrobo, by direct and indirect beneficiaries for the recovery biocultural, I base of to live Well	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
Bolivia	eduardo	lopez	UMSS-Tropico-CIDES-UMSA	Tropical Fruits for the Development of the Tropics: The Coopoazu as an alternative NTFP to coca crops in Chapare Bolivia	162 Greening society and non-wood forest product commercialisation: assessing the environmental, economic and social trade-offs	Forests and Forest Products for a Greener Future
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Bolivia	Oscar	Montaño Choque	Gobernacion de Cochabamba, Bolivia	Business plan for commercializing pine (<i>Pinus</i>) wood logs in the region of the Andean valleys of Cochabamba	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
Bolivia	Juan Carlos	Montero	Confederación de Pueblos Indígenas de Bolivia	Indigenous forest management initiatives as a strategy to mitigate the impact of megaprojects in the Bolivian Amazon.	37 Achieving policy integration across fragmented domains: Forest policy perspectives	Forests for People
Bolivia	Walter Benjamín	Rivera Coria	National Federation of Municipal Governments of Bolivia - FAM Bolivia	New roles of indigenous peoples as productive actors linked to the forest sector of Bolivia	82 Smallholders and forest landscape transitions: Locally devised development strategies of tropical America	Forests for People

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Bolivia	Walter Benjamín	Rivera Coria	National Federation of Municipal Governments of Bolivia - FAM Bolivia	Formulating a proposal for a strategy to prevent and control fires in protected areas by means of governance criteria	(Forests for People)	Forests for People
Bolivia	EVELIN	SIRPA ESPINOZA	ASOCIACION DE DERECHO FORESTAL Y AMBIENTAL	TRANSITION WOOD AGE FROM EARLY WOOD TO LATE WOOD OF PINUS RADITA D. DON, IN THE ANDEAN REGION OF COCHABAMBA CITY, BOLIVIA	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
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Bosnia and Herzegovina	Srdjan	Ljubojevic	University of Banja Luka, Faculty of Forestry	Medicinal and aromatic plants in Eastern Herzegovina and their socio-economic importance for locals	197 Forest resources assessment for non-wood forest products	Forests and Forest Products for a Greener Future
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Brazil	GLORIA DA SILVA	ALMEIDA	UNIVERSIDADE DE BRASÍLIA	Principal Component Analysis for Features Growth IN <i>Inga edulis</i> Mart	(Forests for People)	Forests for People
Brazil	Ariel	Andrade	ESALQ/USP	Evolution of quality wood flooring in Brazilian companies members of a certification program	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Brazil	Ariel	Andrade	ESALQ/USP	Analysis of defects in wood flooring manufactured by Brazilian companies members of a certification quality program	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
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Brazil	Daniela	Biondi	UFPR	Project Floresta-Escola: an interaction between elementary school students and the forest.	(Forests for People)	Forests for People
Brazil	Alice	Brites	Universidade de São Paulo	Participatory monitoring of non-timber forest products. What factors lead to cooperation?	252 Forest-dependent community development	Forests for People
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Brazil	Vinicius	Castro	ESALQ/USP	Effect of water availability on the radial profile of wood density by X-ray densitometry for Eucalyptus grandis, at 36 months old in Brazil	(Forests and Climate Change)	Forests and Climate Change
Brazil	CAROLINE	CAUM	UNESP - BOTUCATU	COMPARATIVE WOOD ANATOMY OF Cordia trichotoma (BORAGINACEAE) FROM SEEDS OF TWO PROVENANCES AND ANALYSIS OF ITS GROWTH RINGS	(Forests and Climate Change)	Forests and Climate Change
Brazil	CARLA	CORREA	NIMAD/FEDERAL UNIVERSITY OF PARANÁ	Challenges the forest sector - Forest certification and Corporate Social Responsibility	125 Impact of forest certification on sustainable forest management	Forests and Forest Products for a Greener Future
Brazil	CARLA	CORREA	NIMAD/FEDERAL UNIVERSITY OF PARANÁ	Changes to the Brazilian Forest Code and the applicability of the new law.	241 Forest governance and legality of timber: Challenges of legality in practice	Forests and Forest Products for a Greener Future
Brazil	Rafaella De Angeli	Curto	Universidade Federal do Paraná/Empresa Brasileira de Pesquisa Agropecuária-Floresta	Longitudinal and radial variation of the wood density in a unmanaged stand of Araucaria angustifolia	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
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Brazil	Celso	Darci Seger	UFPR	FIRE BEHAVIOR ON PRESCRIBED BURNINGS IN PALMEIRA COUNTY GRASSLAND, PARANÁ STATE, BRAZIL.	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Brazil	Celso	Darci Seger	UFPR	CHARACTERIZATION OF FINE FUELS IN GRASS-WOODY STEPPE IN PARANÁ STATE, BRAZIL	138 Forests, fire and climate change dynamics	Forests and Climate Change
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Brazil	Cláudio	Del Menezzi	Dept. Forest Engineering/University of Brasília	FLEXURAL PROPERTIES OF WOOD I-BEAM FLANGED WITH PINE (Pinus sp.) AND CURUPIXÁ (Micropholis venulosa)	258. Bio-based composite and engineered products from wood and non-wood forest resources	Forests and Forest Products for a Greener Future

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Brazil	Cláudio	Del Menezzi	Dept. Forest Engineering/University of Brasília	YIELD AND CHEMICAL COMPOSITION OF ESSENTIAL OILS FROM LEAVES OF TWO BRAZILIAN SAVANNAH TREES	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
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Brazil	Júlia	Faria	Faculdade de Ciências Agrônomicas de Botucatu-UNESP- SP- Brasil	Severity and control of foliar bacterial disease in Eucalyptus spp. seedlings according to the technological level in nurseries.	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Brazil	Ana Paula	Fernandes	Universidade Federal do Paraná	Evolution of prices and unitary costs of the plywood production on the Paraná State	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
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Brazil	William Tomaz	Folmann	Universidade Federal do Paraná	Technological innovations with regard to the production and consumption of industrial timber for pulp production	87 Innovation in the forest sector: maximizing the sector's competitiveness	Forests and Forest Products for a Greener Future
Brazil	Luis	Freitas	UESB	Evaluation of environmental impacts of forest harvesting and its effects on sustainability	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
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Brazil	Magali	Futrlan Nehemy	UNESP - São Paulo State University	Analysis of edge effect in a Brazilian Rainforest	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Brazil	Raquel	Gonçalves	University of Campinas	Distinction of the eucalyptus clones stiffness using ultrasound applied on standing trees	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
Brazil	Marco Andrés	González Carantón	Universidade Federal do Paraná UFPR	Public Management Model in Payment for Environmental Services in the Sabiaguaba Dune's Natural Park, Fortaleza-Brazil.	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services

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Brazil	Pedro Henrique	Gonzalez de Cademartori	Federal University of Paraná	The effect of cold plasma treatment on wettability of Brazilian wood flooring surface	259. Applications of nanotechnology and biotechnology in forest products research	Forests and Forest Products for a Greener Future
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Brazil	Vinicius	Guidotti de Faria	Luiz de Queiroz Agriculture School - University of Sao Paulo	Effects of different harvesting scenarios in a Brazilian eucalyptus catchment	(Forest and Water Interactions)	Forest and Water Interactions
Brazil	Rodrigo	Hakamada	University of São Paulo	Growth, water use and water use efficiency of Eucalyptus under different spacings and genotypes	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
Brazil	Rodrigo	Hakamada	University of São Paulo	Eucalyptus stocking and soil preparation in a frontier region at north of Brazil: necessity of changing concepts from traditional regions	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services
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Brazil	Vitor Afonso	Hoeflich	Universidade Federal do Paraná	BRAZILIAN FOREST GOVERNANCE: TRENDS, AND OBSTACLES, A PROPOSAL TO BE IMPLEMENTED.	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
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Brazil	Jose	Imana	University of Brasilia	The employment of two methods of volume scaling for Eremanthus incanus Less.	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Brazil	Jose	Imana	University of Brasilia	HYPOMETRIC RELATIONSHIP FOR THE SAVANNA IN SOUTHERN TOCANTINS STATE, BRAZIL	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
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Brazil	Thelma	Krug	National Institute for Space Research-INPE	IPCC Guidance for the Preparation of National Forest Sector GHG Inventories	248 National forest sector greenhouse gas inventories following IPCC guidance and guidelines: Requirements, methods, and national examples	Forests and Climate Change
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Brazil	Cristiane	Lemos	International Paper	Zoning productivity and growth constraints for Eucalyptus forest plantation in Southeast of Brazil	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
Brazil	José	Lima	Universidade Federal de Lavras	GROWTH STRESSES AND WOOD BASIC DENSITY OF Eucalyptus RELATED TO THE PRODUCTIVITY OF THE PLANTATION SITE	(Forest Biomass and Bioenergy)	Forest Biomass and Bioenergy
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Brazil	Aurélio	Lourenço Rodrigues	Federal University of Paraná - UFPR	Influences of meteorological variables on the diametric growth of <i>Araucaria angustifolia</i> (Bertol.) O. Kuntze in Southern Brazilian Highlands	(Forests and Climate Change)	Forests and Climate Change
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Brazil	Angeline	Martini	UFPR	Thermal comfort provided by an urban forest fragment in the Universidade Federal do Paraná, Brazil	88 Resilience and Identity with urban forests: A landscape system approach	Forests for People
Brazil	Leonardo Augusto	Martins	UNESP	Natural regeneration in a disturbed tropical seasonal forest fragment: implications for wildlife habitat restoration.	Forest regeneration: challenges and prospects	Forest Biodiversity and Ecosystem Services
Brazil	Felipe	Marzano	Federal University of Viçosa	Biomechanical evaluation in eucalyptus silviculture operations, in Brazil	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
Brazil	PATRICIA	MATTOS	EMBRAPA	Site selection for dendroclimatological studies with <i>Bertholletia excelsa</i>	Dendrochronology: detecting and modelling climate change and fire impacts	Forests and Climate Change

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Brazil	Milton	Meira-Junior	University of Brasilia	Firewood Production of Eucalyptus urophylla in Brazilian Savanna Area	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Brazil	Lara	Melo	Universidade Federal do Paraná	Environmental Fragility of the Iguaçú River Watershed, Paraná, Brazil	256. Managing forests and forest uses to protect and provide clean water	Forest and Water Interactions
Brazil	Gisele	Milaré	Universidade Federal do Mato Grosso do Sul (UFMS)/Instituto Nacional de Colonização e Reforma Agrária (Incra)	Survey of burned area in Brazilian Savannas localized in Palmas, Tocantins, Brazil	138 Forests, fire and climate change dynamics	Forests and Climate Change
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Brazil	Felipe	Petean	Quantitative Methods Center, Forest Science Department, Luiz de Queiroz School of Agriculture, University of São Paulo (USP). Pádua Dias avenue, 11, PO Box 9, 13418-900 Piracicaba, São Paulo, Brazil. Tel. +55 19 2105 8649	Use of LiDAR technology to create a management plan for an urban park in Belo Horizonte, Minas Gerais, Brazil.	209 From data to knowledge, geospatial tools and information access	Forests for People
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Brazil	Mariana	Pires Franco	Forest Science Department, Luiz de Queiroz School of Agriculture, University of São Paulo (ESALQ/USP). Pádua Dias avenue, 11, PO Box 9, 13418-900 Piracicaba, Sao Paulo, Brazil. Tel. +55 19 2105 8628	Impact of alternative fertilization with sodium on growth and wood quality of Eucalyptus grandis plantations in Brazil.	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
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Brazil	Carlos Henrique	Rodrigues de Oliveira	Instituto Federal do Espírito Santo	GEOPROCESSING IN CREATING FOR THE PURPOSE OF CONSERVATION AREAS IN PARQUE ESTADUAL DA CACHOEIRA DA FUMAÇA/ES, BRAZIL	212 Innovative planning and managing approaches for sustainable tourism in forests and natural areas	Forests for People
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Brazil	Carlos	Sanquetta	UFPR	Carbon contents in <i>Acacia mearnsii</i> De Wild. plantations	(Forest Biomass and Bioenergy)	Forest Biomass and Bioenergy
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Brazil	Saly	Takeshita	ESALQ/USP	Physical and chemical characterization of three hardwood species with potential for commercial use	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Brazil	Edivaldo	Thomaz	Soil Erosion Laboratory, Department of Geography, Universidade Estadual do Centro-Oeste – UNICENTRO, Guarapuva-Paraná-Brazil	Plot-scale hydro-geomorphological response on gravelly roadbed, a case study from southern Brazil	36 Impacts of forest roads on water resources and aquatic habitat	Forest and Water Interactions
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Burkina Faso	Kangbeni	DIMOBÉ	Laboratory of Botany and plant ecology/ Universities of Ouagadougou (Burkina) and 2Universität Rostock, Institut für Biowissenschaften, Allgemeine und Spezielle Botanik, D-18051 Rostock/ WASCAL	The use of 3S techniques to identify and control the deforestation and forest degradation drivers in the reserve of Bontioli	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
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Cameroon	Nicolas	Picard	COMIFAC	Allometric equations for biomass estimation in central African rain forests: state of the art and challenges	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
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Cameroon	Emmanuel	SUKA	Ministry of Environment, Protection of Nature and Sustainable Development	Merging Gaps between Forest Conservation and Agricultural Production in Protected Areas: Case Study of Southern Bakundu in Cameroon	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People
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Canada	Suborna	Ahmed	University of British Columbia	Systematic Review of Impacts of the White Spruce Tree Improvement Program in the Boreal Forest of Canada: A Meta-Analytical Approach	79 Sustainable management of spruce dominated ecosystems in response to climate change	Forests and Climate Change
Canada	Sally	Aitken	University of British Columbia	Reforestation in the Anthropocene: Biological and societal perspectives on genetic decisions	Forests for people: Ecosystem services under pressure?	Sub-plenary session
Canada	Sally	Aitken	University of British Columbia	Assessing the adaptive portfolio of reforestation stocks for future climates	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
Canada	Oluwabunmi	Akande	University of Alberta	Soil Respiration across Different Scales and Successional Time Scales in Boreal Mixedwood Forests	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
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Canada	Mahbubul	Alam	Laval University	Measuring and modeling ecosystem services in urban areas	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
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Canada	Jared	Amos	University of Alberta	The impact of retention harvesting on bee and hoverfly assemblages in the boreal forest of northern Alberta.	48 Forest ecosystem services contributing to agriculture	Forest Biodiversity and Ecosystem Services
Canada	André	Arsenault	Natural Resources Canada, Canadian Forest Service, Atlantic Forestry Centre	How much dead wood is enough in Canadian forests? A review of the science and policy.	83 Boreal at risk: Integrative science as a strong foundation for public policy development	Forests and Climate Change
Canada	André	Arsenault	Natural Resources Canada, Canadian Forest Service, Atlantic Forestry Centre	Ecosystem response 20 years after intensive forest harvesting for bioenergy in <i>Betula papyrifera</i> stands in Central Newfoundland: a multidisciplinary approach	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
Canada	David	Auty	Université Laval	Modelling the effects of partial harvesting on lumber product assortment and value: a case study in the eastern Canadian boreal forest	41 Intensive or ecosystem-based forest management – impact on yield, wood quality and economic return?	Forests and Forest Products for a Greener Future
Canada	Jason	Barker	University of British Columbia	Using a genomic approach to unearth how variable retention harvesting affects the contribution of roots and mycelia to carbon sequestration.	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
Canada	Julie	Barrette	Natural Resources Canada- Canadian Forest Service	Forest biomass supply chains from natural disturbances in Canada : challenges and opportunities	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy

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Canada	Aaron	Bell	University of Alberta	Island size, isolation, and forest ground beetle (Coleoptera: Carabidae) diversity on the fire-prone landscape of Lac La Ronge	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Canada	Jordan	Benner	Simon Fraser University	Social contracts and community forestry: How can we design forest policy and tenure arrangements to generate local benefits?	105 The social outcomes of community forestry: What do we know and how do we know it?	Forests for People
Canada	Pierre	Bernier	Canadian Forest Service, Natural Resources Canada	Uncertainty in forest management planning: why it will not go away and what should we do about it	The Importance of quantifying uncertainty in managing forests	Sub-plenary session
Canada	Pierre	Bernier	Canadian Forest Service, Natural Resources Canada	Assessing forest change across Canada using successive kNN-based maps of imputed forest inventory data	49 Using multi-source remotely sensed data and nearest neighbor techniques to improve inference for natural resource applications.	Forests and Climate Change
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Canada	Arun	Bose	University of Quebec	Trembling aspen (<i>Populus tremuloides</i> Michx.) tree growth responses to partial cutting treatments in the eastern Canadian boreal mixedwood	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
Canada	Arun	Bose	University of Quebec	Does partial cutting create greater structural complexity in boreal mixedwood forests of eastern Canada?	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
Canada	Mark	Boyland	Natural Resources Canada	Climate change and the Canadian forest industry: the economic realities of a changing forest resource	87 Innovation in the forest sector: maximizing the sector's competitiveness	Forests and Forest Products for a Greener Future
Canada	Mike	Briensee	Ontario Ministry of Natural Resources	Application of Bayesian belief networks to science based policy development	136 The knowledge that counts – analyzing science policy interactions in forest policy	Forests for People
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Canada	Philip	Burton	University of Northern British Columbia	Pushing the Envelope: Forest Management Strategies for Adapting to a Changing Climate in Canada	19 Novel Ecosystems and intervention: Adaptation to climate change	Forests and Climate Change
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Canada	Jean-Noel	Candau	Canadian Forest Service - NRCAN	Megastigmus parasitism of North American Cupressaceae	172 Research on pathway risk management and phytosanitary policy to prevent invasions of forest insects and pathogens	Forest Health in a Changing World
Canada	Jean-Noel	Candau	Canadian Forest Service - NRCAN	Climatic change and insect outbreaks in Canada's boreal forests	38 Is climatic change modifying the characteristics of insect damage in forests?	Forest Health in a Changing World
Canada	Allan	Carroll	The University of British Columbia	Synergies, feedbacks and tipping points: mountain pine beetle's rapid range expansion threatens invasion of North American boreal pine forests	Forest health in a changing world	Sub-plenary session

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Canada	Baozhang	Chen	University of British Columbia	Satellite-observed changes in terrestrial photosynthetic activity trends across the Asia-Pacific region associated with land cover and climate from 1982 to 2011	117 Remote sensing in carbon balance evaluation and monitoring	Forests and Climate Change
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Canada	Philip	Comeau	Univ. of Alberta	Can mixedwood management mitigate climate change impacts on spruce in western Canada's boreal forests?	83 Boreal at risk: Integrative science as a strong foundation for public policy development	Forests and Climate Change
Canada	Philip	Comeau	Univ. of Alberta	Development and dynamics of young aspen-spruce mixedwood stands in western Canadian Boreal Forests	79 Sustainable management of spruce dominated ecosystems in response to climate change	Forests and Climate Change
Canada	Barry	Cooke	NRCan/CFS	Tipping points and transformation in forest pest ecology: the challenge of rising uncertainties under climate change catastrophe theory	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
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Canada	Sophie	D'Amours	Université Laval	Forest Operations Engineering and Management Achievements and Perspectives - The SSFAR/INFORMS/INCOSE view	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
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Canada	Robert Jon	Deady	UQAM	Saproxyllic Diptera biodiversity and intensive biomass harvesting, what are the implications of a damaged deadwood profile?	142 Ecology and dynamics of dead wood dependent species at multiple trophic levels – Promoting natural pest control in managed forests or increasing hazards?	Forest Biodiversity and Ecosystem Services
Canada	Vincent	Del Bel Belluz	University of Alberta	Response of ground-beetle (Carabidae) assemblages to harvest and wildfire in lodgepole pine forests of western Alberta, Canada	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Canada	Narayan	Dhital	Laval University	Adaptability of an ecosystem-based management to climate induced increase in fire frequency and growth anomalies in an eastern Canadian boreal forest	138 Forests, fire and climate change dynamics	Forests and Climate Change
Canada	Felicitas	Egunyu	University of Saskatchewan	Collaborative forest governance of a community forest in western Canada: What is the role of social learning?	105 The social outcomes of community forestry: What do we know and how do we know it?	Forests for People
Canada	David	Fell	Fpinnovations	Bringing the forest in: establishing the link between the use of wood and health in the built environment	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
Canada	Cosmin	Filipescu	Natural Resources Canada, Canadian Forest Service	Value recovery in intensively managed second-growth forests: is all volume created equal?	41 Intensive or ecosystem-based forest management – impact on yield, wood quality and economic return?	Forests and Forest Products for a Greener Future
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Canada	Robert	Fleming	Natural Resources Canada, Canadian Forest Service, Great Lakes Forestry Centre, Sault Ste. Marie, ON	Environmental sustainability of intensive forest biomass removals: Results of a global meta-analysis	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
Canada	Sishir	Gautam	Tree Canada	Carbon dynamics within a climatically stable forest ecosystem in Gabon	222 Forest management options to tackle climate change	Forests and Climate Change
Canada	Sylvie	Gauthier	Natural Resources Canada	Canadian boreal forest timber vulnerability to current and future fire risk	138 Forests, fire and climate change dynamics	Forests and Climate Change
Canada	Nichola	Gilbert	IFSA	Enhancing mine and energy crop soils to promote willow and poplar growth using ash and biosolids: a greenhouse trial	(Forest Biomass and Bioenergy)	Forest Biomass and Bioenergy
Canada	Maggie	Glasgow	University of Alberta	Can different in situ oil sands exploratory (OSE) construction techniques improve forest community regrowth in northern Alberta, Canada?	83 Boreal at risk: Integrative science as a strong foundation for public policy development	Forests and Climate Change
Canada	R.A (Al)	Gorley	BC Forest Practices Board	Obtaining and maintaining social licence to operate – British Columbia's quality assurance model	168 Communities, forests, forest industries and the Social Licence to Operate	Forests for People
Canada	Laura	Gray	University of Alberta	Geographic patterns of genetic variation in white spruce (<i>Picea glauca</i>): developing breeding and deployment strategies under climate change	79 Sustainable management of spruce dominated ecosystems in response to climate change	Forests and Climate Change
Canada	David	Greenberg	Commission for Environmental Cooperation / Canadian Forest Service	New tools for the use of spatially-explicit forest disturbance data in the estimation of forest carbon budgets within North America	Modeling and simulation systems	Forests and Climate Change
Canada	Arthur	Groot	Canadian Forest Service	Using a light-capture based tree growth model to optimize uneven-aged silviculture of <i>Picea mariana</i> in Canada	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
Canada	Steve	Grossnickle	NurseryToForest Solutions	Ecophysiology of Northern Spruce Species: Implications for management under climate change	79 Sustainable management of spruce dominated ecosystems in response to climate change	Forests and Climate Change
Canada	Laurel	Haavik	Canadian Forest Service	Insect outbreaks and oak decline interact to shape drier forests of the future	38 Is climatic change modifying the characteristics of insect damage in forests?	Forest Health in a Changing World
Canada	Laurel	Haavik	Canadian Forest Service	<i>Sirex noctilio</i> in Ontario pine forests: examining mortality factors of a worldwide pest in a newly invaded environment	206 Ecology and management of invasive wood boring pests in a changing world	Forest Health in a Changing World
Canada	Reem	Hajjar	University of British Columbia	The evolving role of secondary-level institutions and their continued legitimacy: Community and producer associations under FLEGT and REDD+ in Ghana and Mexico	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
Canada	James	Halperin	University of British Columbia	Modeling forest biomass baselines in Miombo forests of southern Africa: approaches and uncertainties	74 Advances in forest carbon measurements and monitoring for building REDD+ MRV systems	Forests and Climate Change

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Canada	Howie	Harshaw	University of Alberta	Understanding the Social Context of Strategies to Develop Biofuels from Optimized Populus Feedstocks in British Columbia	160 Genomics and biotechnology for improvement of woody energy crops	Forest Biomass and Bioenergy
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Canada	Krish	Homagain	Lakehead University	Life Cycle Carbon and Economic Assessment of Biochar-based Bioenergy Production in Ontario, Canada	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Canada	John	Innes	University of British Columbia	Barriers to updating university forestry curricula	72 The social education of foresters	Forests for People
Canada	Miriam	Isaac-Renton	University of Alberta, Department of Renewable Resources	Europe-wide analysis of Douglas-fir provenance trials: insights into assisted migration to address climate change	75 Adaptive forest management under climate change – networking from local to global scales in the temperate zones	Forests and Climate Change
Canada	Wanggi	Jaung	University of British Columbia	Evaluating socio-economic equity of REDD+ in a rights-based approach: Rapid equity appraisal matrix	46 Understanding the relationships among biodiversity, carbon, and people for REDD+ forests: The importance of environmental and social safeguards	Forests and Climate Change
Canada	Mark	Johnston	Saskatchewan Research Council	Climate Change Impacts and Adaptation in the Canadian Forest Sector	107 Forest management for adaptation to climate change	Forests and Climate Change
Canada	Shashi	Kant	University of Toronto	Valuation of Ecosystem Services Using the Life Satisfaction Approach	Integrating the economics of ecosystem services into sustainable forest management	Sub-plenary session
Canada	Nicole	Klenk	University of Toronto	Gaining a social license to practice the assisted migration of species in forestry	168 Communities, forests, forest industries and the Social Licence to Operate	Forests for People
Canada	Nicole	Klenk	University of Toronto	Constructing a materialist conception of discursive institutionalism to examine institutional change in forest policy: the case of the assisted migration of species in Canada	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
Canada	Wyatt	Klopp	Natural Resources and Environmental Studies Graduate Program, University of Northern British Columbia, British Columbia, Canada V2N 4Z9	Harvesting the Dead and Decaying Forests: Potential Carbon Storage and Avoided Emissions	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy
Canada	Jennifer	Klutsch	University of Alberta	Interactions between biotic and abiotic disturbances on host and range expansion of mountain pine beetle in novel jack pine forests	135 Multiple risk management in planted forests	Forest Health in a Changing World
Canada	David	Kreutzweiser	Natural Resources Canada, Canadian Forest Service	Emulating Natural Disturbance in Riparian Forests to Enhance Shoreline and Aquatic Biodiversity	86 Role of disturbance in maintaining and stimulating aquatic biological diversity in temperate forest ecosystems	Forest and Water Interactions

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Canada	Kundan	Kumar	University of Toronto	India's Forest Tenure Reform: Potential and Challenges for Democratizing Forest Governance	16 Reforming forest tenure and governance for mitigating climate change and improving people's livelihoods	Forests for People
Canada	Werner	Kurz	Natural Resources Canada, Canadian Forest Service	Canada's National Forest Carbon Monitoring, Accounting and Reporting System: Experiences and Next Steps	248 National forest sector greenhouse gas inventories following IPCC guidance and guidelines: Requirements, methods, and national examples	Forests and Climate Change
Canada	Werner	Kurz	Natural Resources Canada, Canadian Forest Service	Boreal at Risk: From Boreal Science to Public Policy	83 Boreal at risk: Integrative science as a strong foundation for public policy development	Forests and Climate Change
Canada	Dooahn	Kwak	Natural Resources Canada, Canadian Forest Service	Applying CBM-CFS3 to South Korean forest for carbon budget estimation	248 National forest sector greenhouse gas inventories following IPCC guidance and guidelines: Requirements, methods, and national examples	Forests and Climate Change
Canada	Claudio	La Rocca	University of Alberta	Influence of forest management strategies and environmental conditions on epigeic arthropod biodiversity	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Canada	Seung-Il	Lee	University of Alberta	Combining of aggregated and dispersed retention is effective for conserving deadwood-associated beetles on managed landscapes	142 Ecology and dynamics of dead wood dependent species at multiple trophic levels – Promoting natural pest control in managed forests or increasing hazards?	Forest Biodiversity and Ecosystem Services
Canada	Valerie	LeMay	The University of British Columbia	Using multi-source remotely sensed data and nearest neighbor techniques to improve inference for natural resource applications	49 Using multi-source remotely sensed data and nearest neighbor techniques to improve inference for natural resource applications.	Forests and Climate Change
Canada	Tony	Lempriere	Natural Resources Canada - Canadian Forest Service	The cost of climate change mitigation in Canada's forest	222 Forest management options to tackle climate change	Forests and Climate Change
Canada	Brian	Leung	McGill University	Pathway level analysis of trade policy for reducing invasive species risk	172 Research on pathway risk management and phytosanitary policy to prevent invasions of forest insects and pathogens	Forest Health in a Changing World
Canada	Qinglin	Li	Forest Analysis and Inventory Branch, Ministry of forests, Lands, and Natural Resources Operations	A multiple values trade-offs framework for climate change adaptation	107 Forest management for adaptation to climate change	Forests and Climate Change
Canada	Kyle	Lochhead	University of British Columbia	Approaches for estimating stand and tree-level variables for use in large scale National Forest Inventories	49 Using multi-source remotely sensed data and nearest neighbor techniques to improve inference for natural resource applications.	Forests and Climate Change
Canada	Ian	MacLachlan	University of British Columbia	Genome-wide effects of selective breeding on adaptation of reforestation seedlots for future climates	107 Forest management for adaptation to climate change	Forests and Climate Change
Canada	Lal	Mahalle	FPIInnovations	Life Cycle Assessment of a Fuel Switch to Biomass: the Case of a Direct-Fired Boiler Gasification Energy System	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy

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Canada	Nicolas	Mansuy	Natural Resources Canada /Canadian Forest Service	Building digital soil maps of Canadian managed forests at 250 m of resolution using the k-nearest neighbour method.	49 Using multi-source remotely sensed data and nearest neighbor techniques to improve inference for natural resource applications.	Forests and Climate Change
Canada	Melanie J.	McCavour	Concordia University; UQAM	Fine woody debris (FWD) and biodiversity in managed forests: effects of the spatial distribution of FWD on invertebrates, small vertebrates, fungi, and plants	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Canada	Melanie J.	McCavour	Concordia University; UQAM	Trade-offs between utilising fine woody debris and minimizing rotation time in hybrid poplar plantations	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy
Canada	Daniel	McKenney	Natural Resources Canada	Changes in Ranges: Shifts and trends in North American plant hardiness zones and climate envelopes	232 Vegetation zone shifts in response to climate change	Forests and Climate Change
Canada	Juha	Metsaranta	Natural Resources Canada, Canadian Forest Service	A synthesis of recent model evaluation activities conducted in support of Canada's National Forest Carbon Monitoring, Accounting, and Reporting System	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
Canada	Stephen	Mitchell	University of British Columbia	Strategies for improving hybrid-mechanistic windthrow models	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
Canada	Dan	Moore	University of BC	The post-wildfire response of Fishtrap Creek, British Columbia: lessons for Emulation of Natural Disturbance as a forest management approach	86 Role of disturbance in maintaining and stimulating aquatic biological diversity in temperate forest ecosystems	Forest and Water Interactions
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Canada	William	Nikolakis	University of British Columbia	The Future and Legitimacy of Forest Ecosystem Services Schemes for Indigenous Peoples: Insights from Clayoquot Sound, British Columbia	139 The future of ecosystem services from forests	Forest Biodiversity and Ecosystem Services
Canada	Charles	Nock	Center for Forest Research, UQAM	Testing for evidence of northward tree species range expansion in response to climate change in Québec using forest inventory data	232 Vegetation zone shifts in response to climate change	Forests and Climate Change
Canada	Sonya	Odsen	University of Alberta	Partial retention harvest benefits songbird assemblages in the boreal forest of Canada	Forest management for wildlife conservation	Forest Biodiversity and Ecosystem Services
Canada	Lynn	Palmer	Lakehead University	Property Rights, Powers and Accountability: New Forest Tenure Policy in Ontario, Canada	252 Forest-dependent community development	Forests for People
Canada	David	Pare	Natural Resources Canada	Uncertainty in estimating the timing of greenhouse gas emission balance of forest bioenergy	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
Canada	Shyam	Paudel	University of British Columbia	Participatory approach to reduce deforestation and forest degradation: A case study from Houykhing Village Cluster, Laung Prabang Province of Lao PDR	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
Canada	Gaetan	Pelletier	Northern Hardwoods Research Institute	Key initiatives to enable sustainable and profitable hardwood silviculture	164 Precision land-use management - state and perspectives	Forests and Forest Products for a Greener Future
Canada	Kevin	Percy	Wood Buffalo Environmental Association	Forest Health in the Alberta Oil Sands, Canada	191 Monitoring emerging threats to forest health in North America across regional to national scales	Forest Health in a Changing World

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Canada	Jaime	Pinzon	University of Alberta	Small scale distribution in ground-dwelling arthropods reveals big picture patterns	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Canada	Deepa	Pureswaran	Canadian Forest Service, LFC	Trophic responses to climate change – Host species, spruce budworm and natural enemies	69 Mechanisms of tree defense across forest insect feeding guilds: Can a comparative approach help predict responses to climate change?	Forest Health in a Changing World
Canada	Om	Rajora	University of New Brunswick	The Role of Genomics Research in Understanding Responses and Adaptation of Forest Trees to Changing Climate and Environmental Conditions	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
Canada	Ana Elia	Ramon Hidalgo	University of British Columbia (UBC)	Linking empowerment outcomes, social capital and gender in forest-based community ecotourism in Ghana. A multi-method approach.	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People
Canada	Tod	Ramsfield	Natural Resources Canada / Canadian Forest Service	Silvicultural control of Armillaria root disease in Manitoba	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
Canada	Tod	Ramsfield	Natural Resources Canada / Canadian Forest Service	Understanding the interactions between climate change, heart rot and carbon sequestration in Populus tremuloides in the boreal forest	83 Boreal at risk: Integrative science as a strong foundation for public policy development	Forests and Climate Change
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Canada	Jens	Roland	University of Alberta	Effect of forest fragmentation on parasitism of forest tent caterpillar through a full population cycle	153 Consequences of changing trophic interactions on forest insect population dynamics	Forest Health in a Changing World
Canada	Olivia	Sanchez Badini	Faculty of Forestry, The University of British Columbia	Promoting community forestry in a REDD+ context: a global analysis of small-scale forestry enabling environments in 44 developing countries	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Canada	Cassia	Sanzida Baten	Faculty of Natural Resources Management, Lakehead University	Forest Biomass Based Bioenergy Development at the Atikokan Power Generating Station: Local Perceptions and Public Opinions	168 Communities, forests, forest industries and the Social Licence to Operate	Forests for People
Canada	Cassia	Sanzida Baten	Faculty of Natural Resources Management, Lakehead University	Investigating a Coal to Wood biomass based bioenergy system: A case of Atikokan Power Generating Station in Ontario Canada	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy

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Canada	Monika	Singh	University of British Columbia	Gender Difference in Forest Management: temporal and cross-cultural perspective in aboriginal communities in India and Canada	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
Canada	Monika	Singh	University of British Columbia	Emerging role of jurisprudence in shaping forest management in India	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
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Canada	Neera	Singh	Faculty of Forestry	Caring for Forests: Insights from Community Conservation Practices and Affect theory	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
Canada	CT	Smith	University of Toronto	Trans-Atlantic governance of sustainable solid wood bioenergy supply chains	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
Canada	CT	Smith	University of Toronto	Evaluating the Greenhouse Gas Mitigation Potential and Cost-Competitiveness of Forest Bioenergy Systems in Northeastern Ontario	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Canada	Nick	Smith	The University of British Columbia	Growth and survival of seedlings near clusters of retained overstory trees on forest plantations in Pacific temperate rainforests	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
Canada	Carolyn	Smyth	Natural Resources Canada - Canadian Forest Service	Assessing the climate change mitigation potential of residue-based bioenergy in Canada's forest sector	222 Forest management options to tackle climate change	Forests and Climate Change
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Canada	Catherine	Ste-Marie	Natural Resources Canada	Forest Change – Informing Adaptation of Canada's Forest Sector to Climate Change	107 Forest management for adaptation to climate change	Forests and Climate Change
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Canada	Ian	Thompson	Canadian Forest Service	Improved understanding of the role of biodiversity in ecosystem services leads to better REDD forest management	46 Understanding the relationships among biodiversity, carbon, and people for REDD+ forests: The importance of environmental and social safeguards	Forests and Climate Change
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Canada	Joleen	Timko	UBC Forestry - AFRICAD	Assessing the socio-economic impacts of the improved cookstove, Chitetzo mbaula, in Malawi	(Forests for People)	Forests for People

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Canada	Brian	Titus	Natural Resources Canada - Canadian Forest Service	Survey of guidelines for intensive forest biomass removals from around the world: lessons and recommendations	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Canada	Tessie	Tong	FPInnovations	Genomics-assisted selection of white spruce benefits from SilviScanTM: advanced phenotyping technology for measuring industrially relevant wood traits	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
Canada	Tessie	Tong	FPInnovations	Case study: Impact of Climate Change on Industrially Relevant White Spruce Wood Traits Determined with SilviScanTM	79 Sustainable management of spruce dominated ecosystems in response to climate change	Forests and Climate Change
Canada	Adnan	Uzunovic	FPInnovations	Synergies between types of wood commodities, wood processing steps and treatments applied to wood in the context of risk management and phytosanitary policy	172 Research on pathway risk management and phytosanitary policy to prevent invasions of forest insects and pathogens	Forest Health in a Changing World
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Canada	Andrea	Vasquez	UBC	One methodology, two realities: partnering with indigenous peoples in the Peruvian Amazon	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
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Canada	Bradley	Walters	Mount Allison University	St. Lucia's Forest Transition: Unique Event or Recurring Historical Pattern?	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
Canada	Guangyu	Wang	University of British Columbia	Changing the Forest Landscape in China	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
Canada	Sen	Wang	Canadian Forest Service	Managing Forests for the Greater Good: Evolutions in the Social Licence to Operate	168 Communities, forests, forest industries and the Social Licence to Operate	Forests for People
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Canada	Weifeng	Wang	McGill University	Modeling legacies of harvest on carbon fluxes and stocks in northern temperate forests using an ecosystem model	(Forests and Climate Change)	Forests and Climate Change
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Canada	Xiaohua	Wei	University of British Columbia	Alteration of flow regimes caused by large-scale forest disturbances and its ecological implications	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions

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Canada	Barry	White	Government of Alberta	Enabling environmental excellence in Alberta through LiDAR derived wet areas mapping	256. Managing forests and forest uses to protect and provide clean water	Forest and Water Interactions
Canada	Timothy	Work	UQAM	Colonization and extinction rates in deadwood substrates and their role in conservation and restoration	142 Ecology and dynamics of dead wood dependent species at multiple trophic levels – Promoting natural pest control in managed forests or increasing hazards?	Forest Biodiversity and Ecosystem Services
Canada	Timothy	Work	UQAM	Impacts of increasingly intensive removal of forest biomass on the biodiversity of leaf litter invertebrates	(Forest Biomass and Bioenergy)	Forest Biomass and Bioenergy
Canada	Stephen	Wyatt	Université de Moncton	First Nations and forestry companies in Canada: Possibilities and pitfalls of an informal “social licence” in a contested environment.	168 Communities, forests, forest industries and the Social Licence to Operate	Forests for People
Canada	Stephen	Wyatt	Université de Moncton	Negotiating indigenous collaboration in forestry in Quebec, Canada: Finding pathways through multiple processes and actors	28 Ethics and values in relation to forest, wildlife and recreation management	Forests for People
Canada	Lianzhen	Xu	University of British Columbia	Challenges and Opportunities for Sustainable Plantation Management in China	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
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Chile	Susana	Benedetti	Instituto Forestal de Chile	Recovery of boldo (<i>Peumus boldus</i>), specie of high value in the field of the NWFP through intensive management	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
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Chile	Patricio	Chung	Instituto Forestal de Chile	Analysis of the variability of fruits of Peumo (<i>Cryptocarya alba</i> (Mol.) Losser) in the Bio Bio region, Chile.	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
Chile	Francis	Dube	University of Concepcion	Carbon loss and degradation indicators in <i>Nothofagus</i> forests of the Andes and Coastal range in the Mediterranean region of Chile	Monitoring soil carbon stocks and dynamics at variable spatial scales	Forests and Climate Change

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Chile	samuel	francke	conaf	Soil and water conservation practices and their Interactions, have an outstanding effect on <i>Pinus radiata</i> plantations productivity of site on granitic eroded soils in central Chilean zone, Watershed Maule River	256. Managing forests and forest uses to protect and provide clean water	Forest and Water Interactions
Chile	samuel	francke	conaf	Approach to adaptive and integrated management of forest ecosystems and watersheds, facing uncertain scenarios of climate change.	107 Forest management for adaptation to climate change	Forests and Climate Change
Chile	Rolando	García	Facultad de Ciencias Agrarias y Forestales. Universidad Católica del Maule, Talca	Micropropagation of Ruil (<i>Nothofagus alessandrii</i>): Biotechnology applied for conservation and management of a threatened species.	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Chile	Marta	Gonzalez	INSTITUTO FORESTAL	Effect of P and Ca fertilization in the hardening stage of olivillo in nursery plants (<i>Aextoxicum punctatum</i> Ruiz et Pavon)	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
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Chile	Carolina	Ojeda	universidad de valparaíso	Geomorphology, urban expansion, landscape and natural risks in Reñaca Stream Basin, Chile	256. Managing forests and forest uses to protect and provide clean water	Forest and Water Interactions
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Chile	Rodrigo	Vargas G	Instituto de Ecología y Biodiversidad, Chile	Identification of tree regeneration thresholds for invasive plant species management in the threatened forest of Robinson Crusoe Island, Chile.	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Chile	Lorena	Vilugrón	Bosque Modelo Araucarias Alto Malleco	Water for development in a forest territory of Southern Chile: confronting biophysical abundance and legal scarcity within shared conceptual representations.	(Forest and Water Interactions)	Forest and Water Interactions
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China	Yukun	Cao	College of Economics and Management, Northeast Forest University	The Kaldor-Hicksim Improvement Study on Social Welfare of State-Owned Forest Areas Families under the Logging Ban of China	42 Innovative forest and environmental legislation for better diversity	Forests for People
China	yuan	chai	Beijing forestry university	The Influence between Morphological Plasticity and Biomass Allocation on Two Provenances of <i>Abies holophylla</i> Seedlings under Different Nitrogen Fertilization Regime	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
China	Lixin	Chen	Beijing Forestry University	Environmental Responses and Biophysical Controls over Transpiration by Stands/Trees subject to Urban, Suburban and Semi-arid Environmental Conditions	(Forest and Water Interactions)	Forest and Water Interactions
China	Leilei	Cheng	Institute of Desertification Studies, Chinese Academy of Forestry	The cost of desertification in China: A literature review	163 Desertification, land degradation and drought	Forests and Climate Change
China	Ruimei	Cheng	Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry	Spatial distribution of root biomass of <i>Pinus Massoniana</i> plantation in Three Gorges Reservoir Area, China	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
China	Ruimei	Cheng	Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry	Community Characteristics and Species Diversity of <i>Castanopsis fargesii</i> Community in Three Gorges Reservoir Area in China	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
China	Xianghui	Cui	Institute of Desertification Studies, Chinese Academy of Forestry	Assessment of mountain forest ecosystem services and its benefits on poverty alleviation in arid areas of China	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
China	Limin	Dai	Institute of Applied Ecology, Chinese Academy of Sciences	Forest carbon storage and tree biomass dynamics under the Natural Forest Protection Project in northeastern forest region of China	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
China	Xu	Daping	Research Institute of Tropical Forestry, Chinese Academy of Forestry	Promoting heartwood formation of young trees of <i>Santalum album</i> by plant growth regulators	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
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China	Enzai	Du	Peking University	Impacts of nitrogen enrichment on carbon cycling in an old-growth larch (<i>Larix gmelini</i> Rupr.) forest	180 Air pollution as a factor affecting global forest health	Forest Health in a Changing World
China	Enzai	Du	Peking University	Threshold and Analogy in Ecological research: Ideas and Examples	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services

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China	Zhaozhong	Feng	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	Leaf Mass per Area Elucidates Ozone Sensitivity of Woody Species	14 Ozone and forest health	Forest Health in a Changing World
China	Zhaozhong	Feng	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	Effects of Elevated Ozone on the Injury, Growth and Photosynthesis of Ten Woody Species Widespread in Beijing	14 Ozone and forest health	Forest Health in a Changing World
China	Zhaozhong	Feng	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	Evidence of Widespread Ozone-Induced Visible Injury on Plants in Beijing	14 Ozone and forest health	Forest Health in a Changing World
China	Zhaozhong	Feng	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	Photosynthesis and Growth Response of <i>Metasequoia glyptostroboides</i> Seedlings to Elevated O ₃	14 Ozone and forest health	Forest Health in a Changing World
China	Jinhe	Fu	International Network for Bamboo and Rattan	Bamboo as a sustainable biomass energy	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China	Zhai	Fusheng	Renmin University of China	Social structure, benefit sharing, and Converting cropland to forest land program in China—A case study in D village in Guizhou Province	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
China	Jian	Gao	International Center for Bamboo and Rattan	Overexpression of a Moso Bamboo (<i>Phyllostachys edulis</i>) Transcription Factor Gene <i>PheWRKY1</i> Enhances Disease Resistance in Transgenic <i>Arabidopsis thaliana</i>	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
China	Jian	Gao	International Center for Bamboo and Rattan	Transcriptome sequencing and analysis of the fast growing shoots of moso bamboo (<i>Phyllostachys edulis</i>)	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
China	Zhimin	Gao	International center for bamboo and rattan	Overexpression of a Bamboo Homeobox Gene <i>DIKNOX</i> in <i>Arabidopsis</i> Confers a Striking Appearance of Spikes	160 Genomics and biotechnology for improvement of woody energy crops	Forest Biomass and Bioenergy
China	Zhiwen	Gong	Northwest A&F University	Land use change and its effects on the value of ecosystem services induced by the Sloping Land Conversion Program: An Analysis of Zhidang County in the Loess Plateau Region	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
China	Zhiwen	Gong	Northwest A&F University	Impact of forest management on the value of ecosystem services:A case study in Loess Plateau,China	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
China	Hui-Yan	Gu	School of Forestry, Northeast Forestry University	Coarse Woody Debris Characteristics: a case study in a 9-ha old-growth cold-temperate coniferous forest plot from Great Hing'an Mountains, Northeastern China	142 Ecology and dynamics of dead wood dependent species at multiple trophic levels – Promoting natural pest control in managed forests or increasing hazards?	Forest Biodiversity and Ecosystem Services

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China	Qi Rong	GUO	International center for bamboo and rattan	Development of the Megasporogenesis and Female Gametophyte in <i>Phyllostachys edulis</i>	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China	Qi Rong	GUO	International center for bamboo and rattan	Development of indefinite Inflorescence of <i>Phyllostachys edulis</i>	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China	Wenbing	GUO	Guangdong Academy of Forestry	Characterization of adventitious root development in <i>Pinus elliottii</i> x <i>Pinus caribaea</i> clones with high P efficiency	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
China	cui	haixing	School of Agricultural Economics and Rural Development, Renmin University of China	Study on the Forest Culture Construction of the Olympic Forest Park in China	5 Wood and forest culture: merging the past with the present	Forests for People
China	Guangping	Han	Northeast Forestry University	Cellulose Nanoparticle-Reinforced Polymethylmethacrylate Composites: Effect of Acid Hydrolysis Conditions	259. Applications of nanotechnology and biotechnology in forest products research	Forests and Forest Products for a Greener Future
China	Yinglei	Han	University of Idaho	Upgrading wood pyrolysis oil by hydrogenation using nanocatalysts to green transportation fuels	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy
China	guo	hao	Chinese Academy of Forestry	The assessment techniques of desert ecosystem services in China	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
China	Zhanqing	Hao	institute of applied ecology, Chinese Academy of Sciences	Tree biomass stocks and dynamics and their relation to soil nutrients in an old growth temperate forest in China	74 Advances in forest carbon measurements and monitoring for building REDD+ MRV systems	Forests and Climate Change
China	YOUJUN	HE	CHINESE ACADEMY OF FORESTRY	Carbon storage capacity of monoculture and mixed-species plantations in subtropical China	52 Ecosystem services provided by planted forests	Forest Biodiversity and Ecosystem Services
China	Zhipeng	He	Renmin University of China	Stable or Vulnerable: Resource Shortage, Policy intervention and transformation—A Property Perspective	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
China	Zhipeng	He	Renmin University of China	Technology Transformation, Resource Degradation and Institutional Changes in Natural Resource Management—an Example of M Village	(Forests for People)	Forests for People
China	Wenxia	Huai	Research Institute of Forest Ecology, Environment and Protection, The Key Laboratory of State Forestry Administration on Forest Protection, Chinese Academy of Forestry, Beijing 100091, P. R. China	Phytophthora species in forest streams in Nyingchi, Tibet Autonomous Region and Ganzi, Sichuan Province, China	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World

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China	Qinglin	Huang	Chinese Academy of Forestry	Ideal structure of natural broad-leaved forest in the Mid-subtropical montane zone of Fujian Province, China	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services
China	Rongfeng	Huang	Research Institute of Wood Industry, Chinese Academy of Forestry	Compressed Layer Thickness Controllability and Properties Change of Timber	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
China	ZHOU	JIANBO	Chinese Academy of Forestry, Beijing Forestry Machinery Research Institute of the State Forestry Administration	One Step Production of Multi-reorganization Bamboo Unit in Regular Hexahedron Molding Equipment	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China	Jianchun	Jiang	Industry of Forest Products(ICIFP)	The research and development status of Chinese biomass gasification and pyrolysis	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy
China	jinghui	jiang	Chinese Academy of Forestry	Compression strength and modulus of elasticity parallel to grain of oak wood at temperatures between +220°Cand -196°C	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
China	Jingmin	Jiang	RISF,CAF	Variation of Stem Growth and Morphology Traits of some pine Hybrids in southern China and their Correlations	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future
China	LEI	JINGPIN	Chinese Academy of Forestry	The eco-physiological responses of Quercus variabilis seedlings to increased atmospheric CO2 and N supply	180 Air pollution as a factor affecting global forest health	Forest Health in a Changing World
China	Wu	Junqi	International Network for Bamboo and Rattan	A Competitive Analysis of Bamboo Products in Global Market	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China	fanhua	KONG	Nanjing Univerisity	Analysis of factors contributing to the Urban Green Space Cooling Island Intensity in the summer	88 Resilience and Identity with urban forests: A landscape system approach	Forests for People
China	xiangdong	lei	Chinese academy of forestry	Effects of climate, competition and thinning on tree growth of semi-natural larch-spruce-fir forests in northeast China	107 Forest management for adaptation to climate change	Forests and Climate Change
China	Lingchao	Li	Renmin University of China	Understanding forest transition in China from perspective of globalization	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
China	Shiming	Li	Institute of Forest Resources Information Techniques, CAF	Forest Cover Dynamics of Dxing'anling Forest Zone over Last Four Decades	170 Long-term forest research on forest ecosystem management	Forest Biodiversity and Ecosystem Services
China	Shiming	Li	Institute of Forest Resources Information Techniques, CAF	Mapping of Forest Disturbance in Northeast China Using Time-series Remote Sensing Data	138 Forests, fire and climate change dynamics	Forests and Climate Change
China	Xin	Li	Shanghai Ocean University	International Forest Issues, FLEGT and Potential Directions	188 Ineffective international forest policy? The role of forest information, international law and politics	Forests for People
China	Yiliang	LI	Guangdong Academy of Forestry	Genetic diversity analysis among eight full-sib families of Slash pine × Caribbean pine using ISSR markers	(Forest Biomass and Bioenergy)	Forest Biomass and Bioenergy

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China	Zhiqiang	Li	International Center for Bamboo and Rattan	Effect of Chemical Pretreatments on Bamboo for Bioethanol Production	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy
China	Ming	Liang	Renmin University of China	Diversification of pathways for Forest Transition in China – based on Province-level Panel Data	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
China	Yuechen	Liang	College of Economics and Management, Northeast Forest University	Impact Analysis on the China's Forestry Economic Policy from the Consensus Reached on the Forest Related Climate Conferences	188 Ineffective international forest policy? The role of forest information, international law and politics	Forests for People
China	Yuechen	Liang	College of Economics and Management, Northeast Forest University	Research on Present Status of Sustainable Livelihood of Workers' Families in China's Key State-owned Forest Region	252 Forest-dependent community development	Forests for People
China	Yingchun	Liao	Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences	Relation of fine roots vertical distribution to soil carbon in <i>Cunninghamia lanceolata</i> forest in subtropical China	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
China	Ruozhu	Lin	Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry	Preliminary Assessment of the Ecological Impact of <i>Loranthus tanakae</i> (Loranthaceae) on oak forests in Qinling Mountain, China	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services
China	Guanglu	Liu	International Centre for Bamboo and Rattan	Main nutrient elements biocycle characteristics study of <i>Phyllostachys edulis</i> forests at different fertilization time in Southeastern China	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China	Jinlong	Liu	Centre of Forestry, Environmental and Resources Policy Study	Understanding role of traditional forest knowledge and culture in landscape restoration in China	Cultural values, quality of life and forest landscapes	Sub-pleinary session
China	Jinlong	Liu	Centre of Forestry, Environmental and Resources Policy Study	Overview of Participatory Forestry in China	37 Achieving policy integration across fragmented domains: Forest policy perspectives	Forests for People
China	Jun	Liu	Research Institute of Subtropical Forestry, Chinese Academy of Forestry.	Genetic diversity of central and peripheral populations of <i>Toona ciliata</i> var. <i>pubescens</i> , an endangered tree species endemic to China	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
China	Qingwang	Liu	Institute of Forest Resources Information Techniques, CAF	The variations analysis of forest canopy closure estimated from airborne LiDAR data	(Forests and Climate Change)	Forests and Climate Change
China	Shirong	LIU	Chinese Academy of Forestry	Forest and water relations under a changing environment: worldwide evidences at multiple spatial scales	Forests, water, and people	Sub-pleinary session
China	Shun	Liu	Jiangxi Agricultural University	The Physico-chemical Properties of Soil and Its Correlation with the Growth of <i>Bambusa rigida</i> in Gannan, Jiangxi province, China	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China	Wenfei	Liu	Nanchang instiute of technology	The impacts of forest changes on flow regimes in the upper reach of Poyang River basin	127 Land Use/Land Cover Change and hydroecology: Consequences at variable spatial scales.	Forest and Water Interactions

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China	Yuan-qiu	Liu	College of Forestry, Jiangxi Agricultural University	Effects of stand structure regulation on soil labile organic carbon under <i>Pinus elliottii</i> plantation	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
China	Yujuan	Liu	Guangdong Academy of Forestry	An Approach to optimizing fertilization of Containerized Australian Blackwood (<i>Acacia melanoxylon</i>) Seedlings	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
China	Zhouli	Liu	State Key Laboratory of Forest and Soil Ecology, Institute of Applied Ecology, Chinese Academy of Sciences	Responses of urban forest to environmental stress	180 Air pollution as a factor affecting global forest health	Forest Health in a Changing World
China	Hexing	Long	Renmin University of China	Economic development, government intervention, and forest transition in China	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
China	Hexing	Long	Renmin University of China	Complexity of Forest Tenure Issues and China's Collective Forest Tenure Reform	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
China	Ling	Long	Research Institute of Wood Industry, Chinese Academy of Forestry	Effect of Nano Materials on the Wearing Resistance and Hardness of Water-based Wood Coating	259. Applications of nanotechnology and biotechnology in forest products research	Forests and Forest Products for a Greener Future
China	Wenming	Lu	Chinese Academy of Forestry	Challenges of Forest Certification in China	125 Impact of forest certification on sustainable forest management	Forests and Forest Products for a Greener Future
China	Wenming	Lu	Chinese Academy of Forestry	Legal Challenges for FLEGT and EUTR	241 Forest governance and legality of timber: Challenges of legality in practice	Forests and Forest Products for a Greener Future
China	xinjian	luo	Chinese Academy of Forestry	CHINA'S TROPICAL TIMBER PROCESSING SMFES' CHALLENGES AND OPPORTUNITIES FOR PROCUREMENT OF TIMBER FROM LEGAL AND SUSTAINABLY MANAGED FOREST	241 Forest governance and legality of timber: Challenges of legality in practice	Forests and Forest Products for a Greener Future
China	Yaofeng	Luo	Northwest Agriculture and Forestry University	Linking local traditional biodiversity conservation knowledge to combat Rocky desertification in KARST area in southwest China	190 Value of traditional knowledge for sustainable forest management	Forests for People
China	Yaofeng	Luo	Northwest Agriculture and Forestry University	How do Local Communities Interpret and Shape Forest Policy Intervention? – Case of Collective Forest Tenure Reform in China	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
China	Ling	Ma	Northeast Forestry University	Seasonal dynamics of soil microorganism in Zhalong reed	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
China	Zeqing	Ma	Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences	Different allocation patterns of 18 chemical elements in leaves, branches and different root branch orders across 18 species in Gurbantünggüt desert in China	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services

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China	Michael Luke	McCormack	Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences	Estimates of forest fine root productivity based on functional classification of fine roots and root traits	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
China	Yuan	Meng	Renmin University of China	Study on Forest Policy Coordination and Cooperation: take a case of Collective Forest Tenure Reform in China	37 Achieving policy integration across fragmented domains: Forest policy perspectives	Forests for People
China	Yong	Pang	Chinese Academy of Forestry	Forest Carbon Mapping using Multiple Source Remote Sensing Data in the Greater Mekong Subregion	117 Remote sensing in carbon balance evaluation and monitoring	Forests and Climate Change
China	Nancai	Pei	Research Institute of Tropical Forestry, Chinese Academy of Forestry	Pb and Cd contaminants stay mostly in soil and accumulate differently among trees in an urbanized region of south China	88 Resilience and Identity with urban forests: A landscape system approach	Forests for People
China	Ming Hui	Qian		Hitch-hiking Trichogramma dendrolimi Matsumura wasps exploit host antiaphrodisiac pheromone	(Forest Health in a Changing World)	Forest Health in a Changing World
China	Liangyi	Rao	Beijing Forestry University	Research on Potential Evapotranspiration Estimation of Poplar Plantations in North China Plain	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
China	Zhibin	Ren	Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, Changchun, Jilin, China	Estimation of the relationship between urban park characteristics and park cool island intensity by remote sensing data and field measurement	145 Urban forest diversity and ecosystem services	Forest Biodiversity and Ecosystem Services
China	Wang	Runhui	Guangdong Academy of Forestry	Clonal Variation of Growth and Quality and Multi-Trait Index Selection of Chinese Fir	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
China	Nan	Shan	Institute of desertification, CAF	The Research on Normalized Difference Vegetation Index(NDVI) Response to the Climate Changes in Beijing-Tianjin Sand Source Region	163 Desertification, land degradation and drought	Forests and Climate Change
China	HE	SHANG	Chinese Academy of Forestry	Effects of air pollution and climate change on forests in China	180 Air pollution as a factor affecting global forest health	Forest Health in a Changing World
China	HE	SHANG	Chinese Academy of Forestry	Responses of the radial growth of trees to climate change at the timberline in southeast Tibetan Plateau	Dendrochronology: detecting and modelling climate change and fire impacts	Forests and Climate Change
China	Liming	Shen	Nanjing Forestry University of China	Key problems of the use of environmental-friendly straw board in furniture production: some countermeasures	87 Innovation in the forest sector: maximizing the sector's competitiveness	Forests and Forest Products for a Greener Future
China	Keyin	Sheng	Jiangxi Agricultural University	Evaluation of Soil Anti-erodibility Eucaltptus grandis Forest Land	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
China	Zhongjie	Shi	Chinese Academy of Forestry	NDVI-based vegetation growth trend and its response to climate change in Inner Mongolia, China	163 Desertification, land degradation and drought	Forests and Climate Change
China	Zuomin	Shi	Chinese Academy of Forestry	Carbon and nitrogen Storage in monoculture and mixed plantation stands of nitrogen-fixing tree species in subtropical China	52 Ecosystem services provided by planted forests	Forest Biodiversity and Ecosystem Services
China	Zuomin	Shi	Chinese Academy of Forestry	Successional Dynamics of Community Structure and Species Diversity after Clear-cutting of Abies faxoniana Forest Stands	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services

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China	Wu	Shijun	Chinese Academy of Forestry	Eucalypts in China: Research History, Present Situation of Breeding and Silviculture and Future Prospect	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
China	lining	Song	Institute of Applied Ecology, Chinese Academy of Sciences	Isotopic analysis of water uptake of Pinus sylvestris var. mongolica trees in a semiarid sandy region of Northeast China	18 Hydroecological studies in the Mediterranean region	Forest and Water Interactions
China	wenhui	su	international center for bamboo and rattan	Winter Shoot Growth and Biomass Accumulation of Phyllostachys edulis	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China	Xiaohua	Su	Research Institute of Forestry, Chinese Academy of Forestry	Expression and Molecular Genetics of Two DREB1 Genes in Black Poplar (Populus nigra)	160 Genomics and biotechnology for improvement of woody energy crops	Forest Biomass and Bioenergy
China	Jianghua	Sun	Institute of Zoology, Chinese Academy of Sciences	Pathways of major invasive forest pests in China and issues with international collaboration	Stemming invasions of forest insects and pathogens: Research supporting pathway risk management and phytosanitary policy	Sub-pleinary session
China	Pengsen	Sun	Chinese Academy of Forestry	Responses of vegetation activity and water balance to changing climates in sub-alpine large-scale watershed of south-east Tibetan plateau	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions
China	Xiaomei	Sun	Chinese Academy of Forestry	Genetic Improvement and advanced generation breeding of Larix spp. in China	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
China	Zhong	Tan	Renmin University of China	Roles of local government in China for forest rehabilitation - A case of Changting county of Fujian province	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
China	Feng	TANG	International Centre for Bamboo and Rattan	Study on Chemical Constituents and Biological Activities of Bamboo Leaf Extracts	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China	Li	Tian	Chinese Academy of Sciences	Co-evolutions of land use and socioeconomic characteristics in Chinese Urban Systems	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
China	Xiaorui	Tian	Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry	Forest fire danger changes for China mainland in past 30 years	138 Forests, fire and climate change dynamics	Forests and Climate Change
China	Chengyue	Tu	Renmin University of China	INTEGRATING COMMUNITY DEVELOPMENT WITH THE MANAGEMENT OF GRASSLANDS AND WETLANDS AT KE'ERQIN NATURE RESERVE, INNER MONGOLIA, CHINA	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People
China	Chengyue	Tu	Renmin University of China	The Assessment of Forest Ecological Compensation System in the southern China	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
China	Shuping	Tu	Jiangxi Agricultural University	Study on the Soil Nutrients Limiting Factors in Bambusa rigida Forest Land	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China	Fei	Wang	Inner Mongolia Agricultural University	Characteristics of Coarse Woody Debris in Different-Age Natural	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy

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China	Hui	Wang	Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry (CAF)	Effects of tree species and mixture on soil C sequestration and greenhouse gases emissions in subtropical plantations	52 Ecosystem services provided by planted forests	Forest Biodiversity and Ecosystem Services
China	Huiming	Wang	Qianyanzhou Ecological Research Station, Key Laboratory of Ecosystem Network Observation and Modeling, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences	Precipitation frequency controls interannual variation of soil respiration in a subtropical forest	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
China	Lanhui	Wang	Beijing Forestry University	Sustainable Forest Management in China----- the implementaion of Montreal process	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
China	wenjie	wang	NEIGAE	Larch forest in northeastern China: carbon sink capacity and soil impotence	74 Advances in forest carbon measurements and monitoring for building REDD+ MRV systems	Forests and Climate Change
China	Xiaoke	Wang	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	Ambient ozone and its damage symptoms occurred in sensitive plants in Beijing, China	14 Ozone and forest health	Forest Health in a Changing World
China	Yanhui	Wang	The Research Institute of Forest Ecology, Environment and Protection, The Chinese Academy of Forestry, Wan-Shou-Shan, 100091 Beijing, China	Rational density for balancing the water yield and other services of larch plantation in Liupan Mountains of Northwest China	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions
China	Yixiang	Wang	Zhejiang A & F University	Initial effects of crop tree release treatment on carbon stocks in a southern China Chinese fir plantation	222 Forest management options to tackle climate change	Forests and Climate Change
China	Hongxu	Wei	Northeast Institute of Geography and Agricultural Ecology, Chinese Academy of Sciences	Newly transplanted Larix olgensis Henry stock with greater root biomass has higher early nitrogen flux rate	256. Managing forests and forest uses to protect and provide clean water	Forest and Water Interactions
China	Hong-Yi	WEI	College of Agronomy, Jiangxi Agricultural University	Investigation of insect pests in grassy marshlands of Wugongshan Mountains in eastern China	184 Forest health in changing landscapes: The roles of landscape patterns	Forest Health in a Changing World
China	Hong-Yi	WEI	College of Agronomy, Jiangxi Agricultural University	Circadian rhythm of emergence and reproduction for Micromelalopha troglodyta (Lepidoptera: Notodontidae)	206 Ecology and management of invasive wood boring pests in a changing world	Forest Health in a Changing World
China	Zuomin	Wen	Nanjing Forestry University	Study on the Intelligent Management of Ecosystem Based on the Complex System Theory	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People

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China	Bingfang	Wu	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences	Forest Above Ground Biomass Estimation in China	117 Remote sensing in carbon balance evaluation and monitoring	Forests and Climate Change
China	Liangru	Wu	CHINA NATIONAL BAMBOO RESEARCH CENTER	Bamboo Shoots Sector In China: Encountering A Great Opportunity With Some Challenges	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China	Linhao	Wu	University of Alberta	Tree species, decay class, ecosite classification and dead wood decomposition rates in the mixedwood boreal forest of Canada	170 Long-term forest research on forest ecosystem management	Forest Biodiversity and Ecosystem Services
China	Shuirong	Wu	Chinese Academy of Forestry	The challenge of climate resilient biodiversity enrichment in planted forests in post-tenure reform China	Biodiversity and ecosystem services in planted forests	Sub-plenary session
China	Shuirong	Wu	Chinese Academy of Forestry	Integrated Ecological and Socioeconomic Evaluation of Valwood Agroforestry in Germany and China and its Comparative Analysis	41 Intensive or ecosystem-based forest management – impact on yield, wood quality and economic return?	Forests and Forest Products for a Greener Future
China	Enlong	Xia	International Centre for Bamboo and Rattan	Research on the influencing factors of bamboo certification market in China	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
China	Yongqun	Xie	Chinese	Reinforcement of plant fiber-based ultra low density material with sodium silicate	258. Bio-based composite and engineered products from wood and non-wood forest resources	Forests and Forest Products for a Greener Future
China	Yang	Xing	Beijing Forestry University	Comparative study on enzymatic hydrolysis of different parts of bamboo	(Forest Biomass and Bioenergy)	Forest Biomass and Bioenergy
China	Jianchu	Xu	World Agroforestry Center	Climate change, vegetation restoration and engineering as a 1:2:1 explanation for reduction of suspended sediment in China	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions
China	Jianfeng	Xu	Research Institute of Wood Industry, Chinese Academy of Forestry	Effect of Different Surface Treatment Processes on the Printability and Absorbability of Decorative Base Paper	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
China	jinmei	xu	Chinese Academy of Forestry	Response of cellulose microfibril angle in tree ring of <i>Picea crassifolia</i> to climate	Dendrochronology: detecting and modelling climate change and fire impacts	Forests and Climate Change
China	Lihong	Xu	The Research Institute of Forest Ecology, Environment and Protection, The Chinese Academy of Forestry, Wan-Shou-Shan, 100091 Beijing, China	Spatio-temporal variability of reference evapotranspiration in Jing River Basin, Northwest China	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions
China	Qiaolin	Xu	Guangdong Academy of Forestry	Chemical Constituents from the Roots of <i>Mikania micrantha</i> and Their Allelopathic Effects on <i>Arabidopsis thaliana</i> Seed Growth	94 Changes in distributional ranges in a changing world	Forest Health in a Changing World
China	Huidan	Xue	Renmin University of China	Forest transition in China and interprovincial flow of commodity, population and forestry investment	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People

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China	wang	xuequan	Institute of Desertification Studies, Chinese Academy of Forestry	Technology model of alpine sand lands controlling on the China Tibetan Plateau	163 Desertification, land degradation and drought	Forests and Climate Change
China	Hang	XUN	International Centre for Bamboo and Rattan	Rural Development with Non-timber Forest Products: The Case of Qiannan Buyi and Miao Autonomous Prefecture, Guizhouin China	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
China	Qiaoling	YAN	State Key Laboratory of Forest and Soil Ecology, Institute of Applied Ecology, Chinese Academy of Sciences	Causal effects of shelter forests and water factors on desertification processes during 2000-2010 in the Horqin Sandy Land region, China	163 Desertification, land degradation and drought	Forests and Climate Change
China	Hua	Yang	confucius	A Selective Cutting Decision Model for optimizing Spatial Structure of Spruce-Fir Forest	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
China	Jian	Yang	Chinese Academy of Sciences	Response of wildfire to climate change and its implications in vegetation dynamics in Northeast Chinese boreal larch forests	138 Forests, fire and climate change dynamics	Forests and Climate Change
China	Jun	Yang	Tsinghua University	Diversity of urban tree species over the globe and their links to ecosystem services	145 Urban forest diversity and ecosystem services	Forest Biodiversity and Ecosystem Services
China	shumin	yang	international centre bamboo and rattan	Comparative anatomy of developmental moso bamboo culms	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China	Wenbin	Yang	Chinese academy of forestry	Dynamic variation of the rainfall infiltration in the deep soil of the drifting sand in main deserts (lands) of China	163 Desertification, land degradation and drought	Forests and Climate Change
China	li	yanli	Beijing Forestry University	Seedling and sapling regeneration characteristics and spatial distribution pattern of spruce-fir forests in the Changbai Mountains of northeastern China	79 Sustainable management of spruce dominated ecosystems in response to climate change	Forests and Climate Change
China	Yanxia	Yao	Research Institute of Forest Ecology, Environment and Protection, The Key Laboratory of State Forestry Administration on Forest Protection, Chinese Academy of Forestry, Beijing 100091, P. R. China	Population genetic mechanism contributing to success invasion of alien pest insect <i>Obolodiplosis robiniae</i> (Haldemann)	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
China	bing	ye	Chinese Academy of Forestry	Long-term Monitoring of health effects of urban forests in Hangzhou, China	169 Forests and human health: The role of research towards evidence-based practice	Forests for People
China	CHEN	Yigang	Renming University of China	Exotic and native tree species in the process of forest restoration conflict and transformation—A case study on Changting	19 Novel Ecosystems and intervention: Adaptation to climate change	Forests and Climate Change
China	Yafang	Yin	Chinese Academy of Forestry	Timber identification of CITES-listed species <i>Dalbergia retusa</i> and non-CITES-listed species <i>Dalbergia tucurensis</i> : Wood anatomy or DNA barcoding?	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services

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China	Dapao	Yu	Institute of Applied Ecology, Chinese Academy of Sciences	Formation mechanism of alpine treeline on Changbai Mountain, Northeast China: testing the sink-limitation hypothesis in <i>Betula ermanii</i> growth	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
China	Na	Yu	Nanjing Forestry University	Exploring impact of process innovation on the human side by using human simulation analysis: a case study in Chinese furniture manufacturing firms	87 Innovation in the forest sector: maximizing the sector's competitiveness	Forests and Forest Products for a Greener Future
China	Pengtao	Yu	The Research Institute of Forest Ecology, Environment and Protection, The Chinese Academy of Forestry, Wan-Shou-Shan, 100091 Beijing, China	A quantitative analysis of hydrological variability associated with afforestation of degraded croplands in South China	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions
China	Yan	Yu	International Center for Bamboo and Rattan	Preparation and properties of microfibrillated cellulose (MFC) from bamboo processing residues	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China	Juanwen	Yuan	Guizhou University of Finance and Economics	Impact of and responses to climate change from the perspective of traditional forest knowledge in Guizhou province of China	107 Forest management for adaptation to climate change	Forests and Climate Change
China	Juanwen	Yuan	Guizhou University of Finance and Economics	Gender and traditional forest-related knowledge in China--a case from minority people in Guizhou province	190 Value of traditional knowledge for sustainable forest management	Forests for People
China	Runguo	Zang	Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry	The species and functional diversity variation along secondary succession of tropical lowland rain forest on Hainan Island, China	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
China	Xiaoxi	Zeng	Renmin University of China	Securing China's Forest Ecological Services, Emissions Reductions and Poverty Alleviation for Farmers Households – A Critical Analysis of Current Norm	220 Richer economies, better environmental policies? Analyzing the “environmental question” in forest policy in OECD countries	Forests for People
China	Yanru	Zeng	Zhejiang Agri. & Forestry Univ.	Forest certification in collectively owned forest areas and sustainable forest management --- a case of cooperative-based certification in China	125 Impact of forest certification on sustainable forest management	Forests and Forest Products for a Greener Future
China	Yuan	Zeng	Institute of Remoten Sensing and Digital Earth, Chinese Academy of Sciences	Forest crown closure retrieval using an inverted geometric-optical model	117 Remote sensing in carbon balance evaluation and monitoring	Forests and Climate Change
China	CHENGYI	ZHANG	National Climate Center, CMA	Establishment of complete daily time series of precipitation and its change characteristics during 1960-2010 in East Forest Region in China	(Forests and Climate Change)	Forests and Climate Change
China	decheng	zhang	china academy of forestry	A optimization model of masson pine multiple functional management in south China	164 Precision land-use management - state and perspectives	Forests and Forest Products for a Greener Future
China	LIN	ZHANG	University of Utah	Zhangjiajie National Park and Resettlement: Impacts on Local Ethnic communities in China	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People

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China	Mingfang	Zhang	University of Electronic Science and Technology of China	The hydrological responses to cumulative forest disturbances in six large watersheds, B.C. Interior, Canada	127 Land Use/Land Cover Change and hydroecology: Consequences at variable spatial scales.	Forest and Water Interactions
China	Minghui	ZHANG	Renmin University of China	Conflicting Interactions between Forestry Traditional Knowledge of Dong Minority and Modern Policy Interventions in S Village: an Actor-oriented Perspective	28 Ethics and values in relation to forest, wildlife and recreation management	Forests for People
China	qian	zhang	Guangdong Academy of Forestry	Age Trends in Genetic Parameters for Growth and Resin-Yielding Capacity in Pinus massoniana Lamb	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
China	Rui	Zhang	Research Institute of Subtropical Forestry, CAF.	Genetic diversity and differentiation within three species of the family Lauraceae in southeast China	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
China	Rui	Zhang	Research Institute of Subtropical Forestry, CAF.	Genetic diversity of natural populations of endangered Ormosia hosiei, endemic to China	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
China	Rui	Zhang	Research Institute of Subtropical Forestry, CAF.	Effects of nitrogen deposition on growth and phosphate efficiency of Schima superba of different provenances grown in phosphorus-barren soil	85 Critical loads for nutritional nitrogen deposition: Progress and problems	Forest Health in a Changing World
China	Yiwen	Zhang	Renmin University of China	Discourse Strategy and Action Option: the Natural Reserve and Peasants Under the "Fishing and Grazing Ban" Policy	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
China	Yuandong	Zhang	Chinese Academy of Forestry	The impact of forest vegetation change on water yield in the subalpine region of southwestern China	127 Land Use/Land Cover Change and hydroecology: Consequences at variable spatial scales.	Forest and Water Interactions
China	Dan	Zhao	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences	Above ground biomass estimation based on LiDAR and HJ data in subtropical forest	74 Advances in forest carbon measurements and monitoring for building REDD+ MRV systems	Forests and Climate Change
China	Fengjun	Zhao	Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry	Investigation of emissions from heated essential-oil-rich fuels	110 Managing forest for fire in a changing climate	Forests and Climate Change
China	Fengjun	Zhao	Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry	Influencing factors on early vegetation restoration in burned area of Pinus pumila – larch forest	110 Managing forest for fire in a changing climate	Forests and Climate Change
China	Fuqiang	Zhao	Institute of applied ecology, chinese academy of sciences	Effects of natural and human-assisted regeneration on landscape dynamics in a Korean pine forest in Northeast China	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
China	Huiquan	Zheng	Guangdong Academy of Forestry	Growth selection and wood quality analysis of thirty-eight Cuninghamia lanceolata clones in Guangdong, China	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future

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China	Xiao	Zheng	Institute of Applied Ecology, Chinese Academy of Sciences	A new forestry-climatic classification for forest suitability zoning in the Three-North regions, China	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
China	Li	Zhiyong	International Network for Bamboo and Rattan	Effectiveness Assessment of Forest Tenure Reform on the Resource Cultivation and Institutional Innovation on Livelihood Development in Bamboo Areas: case studies in China and India	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China	Chonglu	Zhong	Professor, Research Institute of Tropical Forestry, Chinese Academy of Forestry	Casuarina Shelter Forest Adaptation to Typhoon Damage along Southern China Sea	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
China	Chonglu	Zhong	Professor, Research Institute of Tropical Forestry, Chinese Academy of Forestry	Selection of provenance/ family/ clone for casuarina shelter forests on degraded lands along coastal areas in China	255. Ecology and management of coastal forests and mangroves	Forest and Water Interactions
China	Guoyi	Zhou	South China Botanic Garden, Chinese Academy of Sciences	Forest recovery on runoff and river discharge at different scales in subtropical area of China	127 Land Use/Land Cover Change and hydroecology: Consequences at variable spatial scales.	Forest and Water Interactions
China	Li	Zhou	Institute of Applied Ecology, Chinese Academy of Sciences	Estimates of forest biomass carbon storage in Liaoning Province of Northeast China: A Review and Assessment	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
China	Li	Zhou	Institute of Applied Ecology, Chinese Academy Sciences	Changes in carbon density for three old-growth forests on Changbai Mountain, Northeast China	(Forests and Climate Change)	Forests and Climate Change
China	Ping	Zhou	Guangdong Academy of Forestry	Effect of forest changes on river discharge and sediment in a large scale watershed	127 Land Use/Land Cover Change and hydroecology: Consequences at variable spatial scales.	Forest and Water Interactions
China	Wangming	Zhou	Institute of Applied Ecology, Chinese Academy of Sciences	Biomass carbon storage and its sequestration potential of Natural Forest Protection Project afforestation in China	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
China	Yongdong	Zhou	Research Institute of Wood Industry, Chinese Academy of Forestry	High Temperature Drying of 25-mm-thickness Cryptomeria Lumber	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
China	Zaizhi	Zhou	Research Institute of Tropical Forestry, Chinese Academy of Forestry	Nutrient evaluation and DRIS diagnosis of young teak (Tectona grandis L.f.) plantations in acid soil in South China	180 Air pollution as a factor affecting global forest health	Forest Health in a Changing World
China	Zaizhi	Zhou	Research Institute of Tropical Forestry, Chinese Academy of Forestry	Strategies and practices to grow non-wood forest product species in degraded hilly area of southern China	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
China	Hongge	Zhu	Northeast Forestry University	Non-Timber Forest Products Income Contribution to Households Economy in Xing'an Mountains Forest Area	162 Greening society and non-wood forest product commercialisation: assessing the environmental, economic and social trade-offs	Forests and Forest Products for a Greener Future

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China	Jiaojun	ZHU	State Key Laboratory of Forest and Soil Ecology, Institute of Applied Ecology, Chinese Academy of Sciences	Methods for determining the thresholds of forest gaps (treefall gaps)	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
China	Ya Juan	Zhu		Spatial heterogeneity of soil available nutrients in black willow plantation in Gonghe Basin, Qinghai-Tibet Plateau	52 Ecosystem services provided by planted forests	Forest Biodiversity and Ecosystem Services
China	Zhen	Zhu	Zhejiang Agriculture&Forestry University	Research on the Carbon Supply Potential Capacity Difference and Its Impact Factors of Forest Management Subjects	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
China - Taipei	Chia-Wei	Chang	National Chung Hsing University, Taiwan	Adhesion, Finishing and Decay Resistance Performances of Heat-treated Wood	(Forests for People)	Forests for People
China - Taipei	Feng-Cheng	Chang	School of Forestry and Resource Conservation/National Taiwan University	Applying electrospinning technology to produce lignin fibers	259. Applications of nanotechnology and biotechnology in forest products research	Forests and Forest Products for a Greener Future
China - Taipei	Shang-Tzen	Chang	School of Forestry and Resource Conservation, National Taiwan University	Exploitation of Acacia confusa heartwood extract as natural photostabilizers	159 Emerging green and sustainable alternatives to classical wood preservative to protect forest products	Forests and Forest Products for a Greener Future
China - Taipei	Tzu-Cheng	Chang	School of Forestry and Resource Conservation, National Taiwan University	Role of extractives in the photo-discoloration of Cryptomeria japonica wood caused by UV irradiation	159 Emerging green and sustainable alternatives to classical wood preservative to protect forest products	Forests and Forest Products for a Greener Future
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China - Taipei	Po Neng	Chiang	The Experimental Forest, National Taiwan University	Temporal and spatial variation of soil respiration in a subtropical broadleaves forest in Taiwan	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
China - Taipei	Chih-Lung	Cho	Dépt. of forestry and natural resources, Natl. Iman Univ.	Effect of Heat Treatment on the Physical Properties of Moso Bamboo (Phyllostachys pubescens)	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
China - Taipei	Min-Jay	Chung	The Experimental Forest, National Taiwan University	Profiling of Aroma Compounds Released from Four Major Bamboo Shoots of High Economic Value in Taiwan	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China - Taipei	Min-Jay	Chung	The Experimental Forest, National Taiwan University	Profiling of Aroma Compounds Released from Four Major Bamboo Shoots of High Economic Value in Taiwan	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
China - Taipei	XIA	GONG	JIANGXI AGRICULTURAL UNIVERSITY	Soil phosphorus availability of plantation in degraded subtropical hilly red soil region	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
China - Taipei	Biing	Guan	National Taiwan University	On Identifying and Establishing Confidence Limits of Trends	The Importance of quantifying uncertainty in managing forests	Sub-plenary session
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China - Taipei	Ya-Li	Huang	Graduate Institute of Bioresources, National Pingtung University of Science and Technology, Taiwan.	Spatial Analyze of Trends in Extreme Precipitation and Prediction the Landslide Susceptibility of National Forestland in Kaoping Basin, Taiwan.	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
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China - Taipei	Chia-Ju	Lee	The Experimental Forest, National Taiwan University	Study on Novel Dyeing Methods for Green-color Preservation of Three Bamboo Culms and Their Colorfastness	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
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China - Taipei	Tzu-Fang	Lin	National Pingtung University of Science andTechnology	Using MODIS Data to Estimate the Leaf Area Index of Different Forest Types in Taiwan	117 Remote sensing in carbon balance evaluation and monitoring	Forests and Climate Change
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China - Taipei	Chiang	Wei	Associate Research Fellow/ National Taiwan University Experimental Forest	Spatio-temporal distribution of rainfall at NTU Experimental Forest for climate change in central Taiwan	(Forests and Climate Change)	Forests and Climate Change
China - Taipei	Jyh-Horng	Wu	Department of Forestry, National Chung Hsing University	Physicomechanical Property and Kinetic Analysis of Sugi Wood and Beech Wood during Heat Treatment	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
China - Taipei	Chen	Ying-Ju	School of Forestry and Resource Conservation, National Taiwan University	Antifungal potential and chemical composition of Chamaecyparis formosensis and Chamaecyparis obtusa var. formosana essential oils in liquid and vapor phase against plant pathogenic fungi	159 Emerging green and sustainable alternatives to classical wood preservative to protect forest products	Forests and Forest Products for a Greener Future
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Colombia	Dolors	Armenteras	Universidad Nacional de Colombia	Integrating data at multiple scales to assess national synergies between forest carbon and biodiversity in Colombia	139 The future of ecosystem services from forests	Forest Biodiversity and Ecosystem Services
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Colombia	Maira Alejandra	Beltrán Díaz	Universidad Distrital Francisco José de Caldas	TERMITE RICHNESS IN <i>Pinus caribaea</i> Muell. PLANTATIONS IN THE COLOMBIAN ORINOQUIA	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
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Colombia	Ana	Briceño	National University of Colombia	Wood anatomy and dendroclimatological potential of trees of the dry tropical forests of Colombia	Dendrochronology: detecting and modelling climate change and fire impacts	Forests and Climate Change
Colombia	Miguel E.	Cadena	Universidad Distrital Francisco José de Caldas	VARIABLES OF SOIL, PLANT AND PRODUCTIVITY RELATED WITH AGE AND SITE INDEX IN <i>Gmelina arborea</i> PLANTATION IN NORTH COLOMBIA	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
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Colombia	Martha C.	Henao	Universidad Nacional	POTASSIUM AVAILABILITY IN SMECTITIC SOILS UNDER Gmelina arborea AND Pachira quinata PLANTATIONS OF TROPICAL DRY FOREST IN NORTH COLOMBIA	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Colombia	Adolfo Andrés	Hincapie	University of Antioquia / Indigenous of Antioquia Organization	THE CHALLENGE OF SPATIAL REPRESENTATION OF SOCIO-ECOLOGICAL INTERACTIONS - THEORETICAL REFLECTION FROM A CASE STUDY.	169 Forests and human health: The role of research towards evidence-based practice	Forests for People
Colombia	Connie Paola	Lopez Gomez	Universidad Nacional de Colombia	Cartografía social para la determinación de dinámicas ambientales en contextos rurales. Caso cuenca río Grande, departamento de Antioquia, Colombia.	227 Knowledge exchange and communication of forest research for human and community well-being	Forests for People
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Colombia	Luis Alfredo	Lozano Botache	Universidad del Tolima	Bidimensional scanning by means of acoustic tomography of six trees in the park of Ducuara at the University of Tolima, Colombia	(Forest Health in a Changing World)	Forest Health in a Changing World
Colombia	Omar	Melo Cruz		Interspecific tree competition and functionality in tropical dry forest environments in the Alto Magdalena region, Colombia, South America	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Colombia	Omar	Melo Cruz		Growth, biomass accumulation and functionality of Gmelina arborea (L.) Roxb, in climate change scenarios for Colombia.	(Forests and Climate Change)	Forests and Climate Change
Colombia	VICTOR	MENA	UNIVERSIDAD TECNOLÓGICA DEL CHOCÓ	Allometric models for estimating aboveground biomass in secondary forests located in San Vicente de Chucuri, Santander, Colombia	(Forests and Climate Change)	Forests and Climate Change
Colombia	Alisson	Molina Bejarano	Universidad Distrital Francisco José de Caldas	Macroscopic characterization and dimensional stability in selected specimens of Prosopis alba Griseb Prosopis alba GRISEB. in the Chaco region of Argentina	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
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Colombia	David	Pérez	Universidad Distrital Francisco José de Caldas	STRUCTURAL IMPROVING PERFORMANCE OF EUCALYPTUS WOOD IN COAL MINING IN COLOMBIA	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
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Colombia	Germán	Ríos	Agenda por los Bosques y la Gente de San Lucas, Colombia	RIGHTS FOR RURAL PEOPLE AND THE CONSERVATION OF COLOMBIAN FOREST RESERVES	(Forests for People)	Forests for People
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Colombia	John	Sánchez Correa	Colciencias - Colombia	Management of regeneration on hurricane-affected forests and its implications for the development of indigenous communities in the North-Atlantic Region, Nicaragua	(Forests for People)	Forests for People
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Costa Rica	Keyla	Pereira	Instituto Tecnológico de Costa Rica	Improving soil physic conditions teak plantations establishment in Northern Costa Rica.	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Costa Rica	Michael Antonio	Porras Jiménez	ITCR	Structure and floristic composition of the cloud forest on Cocos Island National Park	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Costa Rica	Zayra	Ramos-Bendaña	University of Idaho and CATIE	Evaluating spatial targeting of PES to forest ecosystem services using 'policy benchmark scenarios' derived from conservation planning tools	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services

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Costa Rica	Kaue	Sousa	Centro Agronómico Tropical de Investigación y Enseñanza - CATIE	Production chain of native forest tree seeds in Brazilian Amazon	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future
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Cuba	Miladys	Delgado	Laboratorio de Biotecnología. Instituto de Investigaciones Agroforestales	Management of Cedar (<i>Cedrela odorata</i> L.) by means of in vitro propagation techniques.	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
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Cuba	Adolfo	Núñez Barrizonte	Instituto de Investigaciones Agro-Forestales	Management criteria for non-wood forest products of vegetable origin of importance in the sociocultural context	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
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Czech Republic	Katerina	Tvardikova	Biology Centre AS CR, v. v. i. Institute of Entomology Branisovska 31 CZ-370 05 Ceske Budejovice Czech Republic	Ecology of forest birds along a complete altitudinal rainforest gradient in Papua New Guinea	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Czech Republic	Josef	Urban	Mendel University in Brno	Ecophysiological aspects of growing Douglas fir in central Europe	79 Sustainable management of spruce dominated ecosystems in response to climate change	Forests and Climate Change
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Denmark	Søren	Larsen	University of Copenhagen, Department of Geosciences and Natural Resource Management, Section for Forest, Nature and Biomass	Spatial Multi-Criteria Analysis to Optimize Bioenergy Crop Production and Localization in Denmark	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
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Ecuador	Elena	Mejia	CIFOR	Participation of women in forestry activities: the case of women an invisible workforce in Ecuador	(Forests for People)	Forests for People
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Egypt	Hussein	Aly	Forestry Dept.Alexandria University	Essential oils and methanol extracts of leaves, bark and wood of Juniperus phoenicea L. Grown in AL Jabel AL Akhdar, Libya	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Egypt	Hussein	Aly	Forestry Dept.Alexandria University	STUDY THE VARIATION OF SPECIFIC GRAVITY AND FIBER LENGTH OF Pinus halepensis GROWN IN AL-JABAL EL-AKH DAR, LIBYA	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future

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Finland	Syed Ashrafal	Alam	Department of Forest Sciences, VITRI, University of Helsinki	Biomass and soil carbon stocks of Sudanese Acacia savanna woodland	Monitoring soil carbon stocks and dynamics at variable spatial scales	Forests and Climate Change
Finland	Jukka	Antikainen	Finnish Forest Research Institute	Combined Compression and Thermal Modification of Silver Birch and European Aspen Sawn Wood – Color Changes along the Profile	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
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Finland	DANIEL	ETONGO	Viikki Tropical Resources Institute, Helsinki University	Watershed Degradation in the Ndian Basin Area of the South West Region of Cameroon: Implication for Development and Livelihoods	256. Managing forests and forest uses to protect and provide clean water	Forest and Water Interactions
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Finland	Leena	Finér	Finnish Forest Research Institute	Biomass harvesting in Fennoscandian boreal forests – nutrient removals and nutrient status	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
Finland	Jarkko	Hantula	Finnish Forest Research Institute	International plant trade associated risks: laissez-faire or novel solutions?	172 Research on pathway risk management and phytosanitary policy to prevent invasions of forest insects and pathogens	Forest Health in a Changing World
Finland	Sanna	Härkönen	University of Helsinki	Simulating effects of forest management to the European forest carbon stocks and carbon balance	222 Forest management options to tackle climate change	Forests and Climate Change
Finland	Liina	Häyrinen	University of Helsinki	Forest landowners: lead users for multiple uses of forests and sustainable consumption?	87 Innovation in the forest sector: maximizing the sector's competitiveness	Forests and Forest Products for a Greener Future
Finland	Juha	Heikkinen	Finnish Forest Research Institute (Metla)	National biomass and carbon inventory based on sample plots	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
Finland	Anne-Maarit	Hekkala	Finnish Forest Research Institute and Thule Institute	Biodiversity benefits of restoration of boreal forests in Finland	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
Finland	Heljä-Sisko	Helmisaari	Department of Forest Sciences, University of Helsinki	C input into forest soil from below- and aboveground litter in climatically contrasting Norway spruce forests	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services

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Finland	Henrik	Heräjärvi	Finnish Forest Research Institute	Crude Tall Oil Impregnation as a Wood Preservation Method	159 Emerging green and sustainable alternatives to classical wood preservative to protect forest products	Forests and Forest Products for a Greener Future
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Finland	Timo	Hokkanen	Center for Economic Development, Transportm, Tourism	Communication and collaboration platform for Integrated landscape planning	(Forests for People)	Forests for People
Finland	Jani	Holopainen	University of Helsinki	Consumer preferences for wood product information content in sustainability context	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
Finland	Juha	Honkaniemi	Finnish Forest Research Institute	Modeling the dynamics of Root Rot, European Spruce Bark Beetle and wind damages in even-aged Norway Spruce dominated forests	135 Multiple risk management in planted forests	Forest Health in a Changing World
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Finland	Paula	Jylhä	Finnish Forest Research Institute	The storage of Scots pine forest chips - CO2 fluxes as an indicator of dry matter losses	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Finland	Tuula	Jyske	Finnish Forest Research Institute	Intra-annual phloem and xylem formation, and primordial shoot development in Norway spruce saplings exposed to elevated CO2 and temperature	79 Sustainable management of spruce dominated ecosystems in response to climate change	Forests and Climate Change
Finland	Lilli	Kaarakka	University of Helsinki	Stump harvest at final felling – impact on soil surface disturbance, and carbon and nitrogen dynamics	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
Finland	Lilli	Kaarakka	University of Helsinki	Effects of repeated whole-tree harvesting on soil properties and tree growth in a Norway spruce (<i>Picea abies</i> (L.) Karst.) stand	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy

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Finland	Markku	Kanninen	Department of Forest Sciences, VITRI, University of Helsinki	Theories of change and change in theory of managing landscapes within the past twenty years	193 From understanding drivers to gaining leverage at the tropical forest margins: 20 years of ASB Partnership	Forests and Climate Change
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Finland	Pia	Katila	Finnish Forest Research Institute	Introduction to the WFSE-project and the new book Forests under Pressure: Local Responses to Global Issues	66 Forests under pressure: Prerequisite conditions for forest-related sustainable development	Forests for People
Finland	Pia	Katila	Finnish Forest Research Institute	International Influences on National Forest Policy: Analyzing Stakeholder Coalitions and Their Argumentation in the Revision of Finnish Forest Act	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
Finland	Pekka	Kauppi	University of Helsinki	Carbon budget of state owned forests in Finland, overcoming deforestation and forest degradation	71 Climate Change: A driver for land-use change and adaptive forest management on six continents	Forests and Climate Change
Finland	Antti	Kilpeläinen	University of Eastern Finland	Effects of forest management on timber and energy biomass production and climate change mitigation potential in Norway spruce	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy
Finland	Jaana	Korhonen	University of Helsinki	The linkage between environmental policies and international trade in pulp and paper industry	181 The interface between quantitative forest sector modeling and policy analysis: What can be improved?	Forests and Forest Products for a Greener Future
Finland	Kalevi	Korpela	University of Tampere	Restorative impacts of green environment on human well-being	Forest foods, medicines and human health	Sub-plenary session
Finland	Maija	Kymäläinen	University of Helsinki	Storage of torrefied wood – investigating the sorption properties and susceptibility to fungal degradation	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy
Finland	Merja	Lahdesmaki	University of Helsinki, Ruralia Institute	Everyman's Rights in motion – The relationship between private forest owners and commercial wild berry picking	162 Greening society and non-wood forest product commercialisation: assessing the environmental, economic and social trade-offs	Forests and Forest Products for a Greener Future
Finland	Katja	Lähtinen	Department of Forest Sciences/University of Helsinki	Designers' wooden furniture ecodesign implementation in Scandinavian Country-of-Origin (COO) branding	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
Finland	Katja	Lähtinen	Department of Forest Sciences/University of Helsinki	Collaboration opportunities in Corporate Social Responsibility (CSR) reporting for Finnish non-industrial private forestry (NIPF) and non-integrated sawmilling industry	168 Communities, forests, forest industries and the Social Licence to Operate	Forests for People
Finland	Jani	Laturi	Finnish Forest Research Institute	Modelling the Economics of the Reference Levels for Forest Management Emissions in the EU	(Forests and Climate Change)	Forests and Climate Change
Finland	Aleksi	Lehtonen	Finnish Forest Research Institute (Metla)	Climate change shifts environmental space and limits transferability of treeline models	232 Vegetation zone shifts in response to climate change	Forests and Climate Change
Finland	Aleksi	Lehtonen	Finnish Forest Research Institute (Metla)	Towards precise estimation of foliar biomass turnover rates in Finland	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change

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Finland	Markus	Lier	Finnish Forest Research Institute (METLA)	Using Criteria and Indicator for Sustainable Forest Management in the preparation and monitoring of forest policies and strategies	136 The knowledge that counts – analyzing science policy interactions in forest policy	Forests for People
Finland	Jussi	Lintunen	Finnish Forest Research Institute	A Model of Timber Supply in Finland	181 The interface between quantitative forest sector modeling and policy analysis: What can be improved?	Forests and Forest Products for a Greener Future
Finland	Jussi	Lintunen	Finnish Forest Research Institute	On the Economics of Forest Carbon: Renewable and Carbon Neutral But Not Emissions Free	(Forests and Climate Change)	Forests and Climate Change
Finland	Evgeny	Lopatin	University of Eastern Finland	Mapping the extent of conifers dominating high conservation value forests in Finland using Landsat data	250 New developments and use of the UN-sponsored Global Forest Resource Assessment	Forests and Climate Change
Finland	Evgeny	Lopatin	University of Eastern Finland	Russian Federation forest resources assessment based on free medium resolution remote sensing data	250 New developments and use of the UN-sponsored Global Forest Resource Assessment	Forests and Climate Change
Finland	Anna	Lopatina	University of Eastern Finland	Rapid assessment of energy biomass resources using aerial photographs from unmanned aerial vehicles	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
Finland	Petr	Lukes	University of Helsinki	The effect of changing forests on seasonal patterns of the albedo in boreal forests	117 Remote sensing in carbon balance evaluation and monitoring	Forests and Climate Change
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Finland	Annikki	Mäkelä	University of Helsinki	Developing modular methods for predicting forest growth responses to environmental change	222 Forest management options to tackle climate change	Forests and Climate Change
Finland	Antti	Mäkinen	Iptim Inc.	Long-term forest planning under risk and uncertainty; can robust linear programming help?	118 Providing ecosystem services under climate change: Community of practice of forest decision support systems	Forest Biodiversity and Ecosystem Services
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Finland	Harri	Mäkinen	METLA	Intra-annual xylem formation of Norway spruce and Scots pine across latitudinal gradient in Finland	79 Sustainable management of spruce dominated ecosystems in response to climate change	Forests and Climate Change
Finland	Harri	Mäkinen	METLA	Thinning of Norway spruce stands under changing climate	79 Sustainable management of spruce dominated ecosystems in response to climate change	Forests and Climate Change
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Finland	Anne	Matilainen	University of Helsinki Ruralia Institute	Passive or independent? -An empirical study of motivational reasons behind private forest owners' passive forest management behavior	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Finland	Anne	Matilainen	University of Helsinki Ruralia Institute	Regional economic impact of hunting tourism in Eastern Lapland, Finland	162 Greening society and non-wood forest product commercialisation: assessing the environmental, economic and social trade-offs	Forests and Forest Products for a Greener Future
Finland	Osmo	Mattila	University of Helsinki	Paths for new services - Important factors in owning forests for Finnish NIPF owners in the context of ecosystem services	27 Forest owners and climate change adaptation	Forests and Climate Change
Finland	Robert	Mavsar	European Forest Institute (EFI)	Development of the global trade of non-wood forest products	162 Greening society and non-wood forest product commercialisation: assessing the environmental, economic and social trade-offs	Forests and Forest Products for a Greener Future
Finland	Jenni	Moilanen	Finnish Forest Research Institute	Biodiversity and people interrelationship – from urban to protected areas	103 The future of recreation in forests and other nature areas	Forests for People
Finland	Alexander	Moiseyev	Norwegian University of Life Sciences	Impact of EU RES policies on the use of wood for energy and international trade of wood biomass and pellets	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Finland	Veikko	Möttönen	Finnish Forest Research Institute	Impact of Compression and Thermal Modification on Mechanical Properties of Silver Birch and European Aspen Wood	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Finland	Karthikeyan	Natarajan	University of Eastern Finland, Joensuu	A full supply chain optimization model for the location of forest biomass -based CHP production plants in Finland	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Finland	Pekka	Niemela	University of Turku	General characteristics of the boreal forest insects	38 Is climatic change modifying the characteristics of insect damage in forests?	Forest Health in a Changing World
Finland	Kaisa	Nieminen	Finnish Forest Research Institute	Silver birch (Betula pendula): a novel model tree for molecular genetics	160 Genomics and biotechnology for improvement of woody energy crops	Forest Biomass and Bioenergy
Finland	Tiina M.	Nieminen	Finnish Forest Research Institute	Forest management on acid sulfate soils and water protection	256. Managing forests and forest uses to protect and provide clean water	Forest and Water Interactions
Finland	Pekka	Nygren	Finnish Society of Forest Science	From paper to bits - how to make and keep 100 years of forest science available online?	68 How to make forest science available for all? Publishers', editors', and authors' challenges	Forests for People
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Finland	Tuula	Packalen	Finnish Forest Research Institute	Improving forest sector model inputs on wood supply through European Forestry Dynamics Model (EFDm)	181 The interface between quantitative forest sector modeling and policy analysis: What can be improved?	Forests and Forest Products for a Greener Future
Finland	Arttu	Pienimäki	University of Helsinki	The effect of forest plantation establishment on ecosystem carbon stocks in Niassa province, Northern Mozambique	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy

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Finland	Tarmo	Räty	Metla	Platform for Cost Efficient Environmental Assessment	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
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Finland	Annariikka	Roselli	Aalto University	Progress in dissolving pulp manufacture	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy
Finland	Johanna	Routa	Finnish Forest Research Institute	Effects of forest management on sustainability of integrated timber and energy wood production	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
Finland	Svetlana	Saarela	University of Helsinki	Model-based inference for growing stock estimation in a LiDAR sample survey in Kuortane, Finland.	253. Complying with the IPCC Good Practice Guidance for tropical carbon stock inventories	Forests and Climate Change
Finland	Svetlana	Saarela	University of Helsinki	Comparing probability-proportional-to-size and simple random sampling designs in model-assisted estimation of growing stock in a boreal forest area in Finland.	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
Finland	Jarmo	Saarikko	Finnish Forest Research Institute	IUFRO and Global Forest Decadal Classification - Status and future	227 Knowledge exchange and communication of forest research for human and community well-being	Forests for People
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Finland	Risto	Seppälä	Metla (retired)	Is forest research in accord with the strategic challenges of the forest sector? A case study on Finland.	136 The knowledge that counts – analyzing science policy interactions in forest policy	Forests for People
Finland	Tuija	Sievänen	Finnish Forest Research Institute	Outdoor Recreation Future in Finland	103 The future of recreation in forests and other nature areas	Forests for People
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Finland	Anne	Toppinen	University of Helsinki	Corporate responsibility development paths in the forest sector	168 Communities, forests, forest industries and the Social Licence to Operate	Forests for People
Finland	Anne	Toppinen	University of Helsinki	"First I would go to IKEA": A consumer cultural approach to young people's choice of wooden household furniture in Germany and Finland	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
Finland	Maxim	Trishkin	University of Eastern Finland	Assessment of new methods for sustainable management practices in remote areas	125 Impact of forest certification on sustainable forest management	Forests and Forest Products for a Greener Future
Finland	Maxim	Trishkin	University of Eastern Finland	Assessment of motivation and attitudes of forest industry companies towards forest certification in North-Western Russia	125 Impact of forest certification on sustainable forest management	Forests and Forest Products for a Greener Future
Finland	Liisa	Tyrväinen		The Influence of Urban Nature Environments on Stress Relief — a Field Experiment	169 Forests and human health: The role of research towards evidence-based practice	Forests for People
Finland	Liisa	Tyrväinen		Towards sustainable growth in nature-based tourism destinations: clients' views of land use options in Finnish Lapland	212 Innovative planning and managing approaches for sustainable tourism in forests and natural areas	Forests for People
Finland	Liisa	Ukonmaanaho	METLA	Impact of whole-tree harvesting on water quality and quantity from drained peatland forests in Finland	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy
Finland	Sanna	Välimäki	Department of Biology, University of Turku	Outbreak history of gregarious pine sawflies (Hymenoptera: Diprionidae) in Finland	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
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Finland	Erkki	Verkasalo	METLA The Finnish Forest Research Institute	Norway spruce for wood products from first-generation plantations in Finland - log and product yields, value and key wood properties	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Finland	Hans	Verkerk	European Forest Institute	Mapping ecosystem services provided by European forests	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
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Finland	Kristiina	Wahala	University of Helsinki	From forest to pharmacy — drug development from nature based molecules	Forest foods, medicines and human health	Sub-plenary session
Finland	Minli	Wan	University of Helsinki	Consumer perceptions of children's furniture in Shanghai and Shenzhen, China	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
France	Victoria	Asensi Amoros	Xyldata SARM	Vatican Coffins Project: The wood analysis of the third Intermediate Period Coffins (Egypt).	5 Wood and forest culture: merging the past with the present	Forests for People
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France	Marielle	Brunette	INRA	An Economic Comparison of Prevention Strategies against Forest Pathogens	15 Societal impacts of invasive forest pathogen and pests	Forest Health in a Changing World
France	Jean-Michel	Carnus	INRA	Adaptation of planted forests to climate change: from global to local approaches	107 Forest management for adaptation to climate change	Forests and Climate Change
France	Mathias	Christina	CIRAD, UMR Eco&Sols	Modeling the intra-stand variability of carbon and water fluxes in clonal Eucalyptus plantations	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
France	Lucie	Chupin	EPCP-IPREM	Maritime pine bark extraction for tannin-lignin adhesives	258. Bio-based composite and engineered products from wood and non-wood forest resources	Forests and Forest Products for a Greener Future
France	Lucie	Chupin	EPCP-IPREM	Microwave assisted extraction of condensed tannins from maritime pine (Pinus pinaster) bark	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
France	Marc	Deconchat	INRA	Forest edges as sources of ecosystem services for landscape agroecology	48 Forest ecosystem services contributing to agriculture	Forest Biodiversity and Ecosystem Services
France	Pauline	Défossez	INRA	Tree resistance to wind: the effects of soil conditions on tree anchorage	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
France	Philippe	DEUFFIC	IRSTEA	Facing multiple risks with limited knowledge	135 Multiple risk management in planted forests	Forest Health in a Changing World
France	Philippe	DEUFFIC	IRSTEA	Acting as a forest owner in a climate of uncertainty	27 Forest owners and climate change adaptation	Forests and Climate Change
France	Coffi Florent	DOSSA GBO	Laboratoire des Sciences Forestières	Structure and Ecological Characteristics of the Pobè Forest in the South-east of Benin	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services
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France	Sylvain	Dupire	Irstea, UR EMGR	Application of cost-benefit analysis to estimate the value of the protection function of forests against rockfall	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
France	Sylvain	Dupire	Irstea, UR EMGR	Automatic mapping of forest operation possibilities: a decision support tool for forest planning	164 Precision land-use management - state and perspectives	Forests and Forest Products for a Greener Future
France	Richard	EMEYRIAT	FORET LOGISTIQUE CONSEIL	Harvesting of heart stumps from Poplar and Maritime Pine forest in South West France	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
France	Julien	Fiquepron	CNPF/IDF	Forest practices for drinking water: an efficient way to produce cheap, high quality drinking water	256. Managing forests and forest uses to protect and provide clean water	Forest and Water Interactions
France	Thierry	Fourcaud	CIRAD	Utilizing Space Age Digital Strain Measurement Technology to Identify Zones of Mechanical Weakness in Trees	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
France	Martin	Godefroid	Institut national de recherche agronomique (INRA)-UMR CBGP	Linking phylogeographic history, niche divergence and biological invasion risks. The case of North American Dendroctonus bark beetles	94 Changes in distributional ranges in a changing world	Forest Health in a Changing World
France	Valery	Gond	CIRAD	Vegetation greenness and nebulosity in Central Africa	138 Forests, fire and climate change dynamics	Forests and Climate Change
France	Marc-Andre	Gonze	IRSN	Modelling of Radionuclides Transfer and Ambient Dose Rates in Fukushima Forest Ecosystems : a preliminary study	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services
France	Frédéric	Gosselin	IRSTEA	Wood-inhabiting fungi diversity response to management abandonment: a spatio-temporal perspective	142 Ecology and dynamics of dead wood dependent species at multiple trophic levels – Promoting natural pest control in managed forests or increasing hazards?	Forest Biodiversity and Ecosystem Services
France	Frédéric	Gosselin	IRSTEA	Tree species diversity and abundance as indicators of understory diversity and abundance in French mountain forests: Variations in ecological space	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services
France	Julien	HARAN	INRA Orléans	Assessing dispersal routes and ongoing gene flow of the vector of the Pine Wood Nematode, <i>Monochamus galloprovincialis</i> , at different spatial scales.	206 Ecology and management of invasive wood boring pests in a changing world	Forest Health in a Changing World
France	Basile	Herpigny	IRSTEA	Dendrometric indicators of understory vegetation along ecological gradients: do nonlinear models outperform linear ones?	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
France	Emeline	Hily	INRA	Bio-econometric analysis of the efficiency of payments for biodiversity conservation: a case study of Natura 2000 forest contracts in France	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
France	Emeline	Hily	INRA	Incentive payments for plant biodiversity conservation in forests: dynamic and spatial analysis	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services

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France	Rached	ISMAIL	ONIRIS-NANTES	Recovering microorganisms from wood packaging surfaces: intercomparison of three methods.	159 Emerging green and sustainable alternatives to classical wood preservative to protect forest products	Forests and Forest Products for a Greener Future
France	Hervé	JACTEL	INRA	Biodiversity and resistance to pests and pathogens of planted forests	Biodiversity and ecosystem services in planted forests	Sub-plenary session
France	Maeght	Jean-Luc	IRD	Differentiation in roots dynamic, water uptake and carbon Storage of teak tree (<i>Tectona grandis</i>) in northern Laos under a throughfall exclusion.	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
France	NESPOULOUS	Jerome	INRA	The influence of plant root systems on subsurface flow: implications for slope stability	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
France	Sunday Berlioz	KAKPO	Laboratoire des Sciences Forestières (LSF/FSA/UAC)	Structure and Spatial Distribution of <i>Cola millenii</i> , <i>Dialium Guineense</i> and <i>Azelia Africana</i> in the Bonou and Itchede Forests.	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services
France	Eric	KERE	INRA/CERDI	Decisions to Harvest and Spatial Interactions	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
France	John	Kim	INRA UMR AMAP	Spatio-temporal heterogeneity of water and root distribution and their impact on the slope stability in a mixed mountains forest	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
France	Dominique	Lachenal	Grenoble INP-Pagora	Extraction of hemicelluloses from <i>Eucalyptus globulus</i> woodchips for their valorisation into surface-active agents	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy
France	Jean-Paul	Laclau	CIRAD, UMR Eco&Sols	Potassium and sodium supply effects on the adjustments to water deficit of <i>Eucalyptus grandis</i> trees: insights from a throughfall exclusion experiment in Brazil	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
France	Jean-Paul	Laclau	CIRAD, UMR Eco&Sols	Adaptation of eucalypt trees to water and nutrient deficiencies: insights from Brazilian experiments question conventional recommendations	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services
France	Valentine	Lafond	IRSTEA	Studying trade-offs between biodiversity and ecosystem services: an integrated modeling approach based on uneven-aged mountain forests.	118 Providing ecosystem services under climate change: Community of practice of forest decision support systems	Forest Biodiversity and Ecosystem Services
France	Valentine	Lafond	IRSTEA	Modeling uneven-aged management of heterogeneous forests within individual based and spatially explicit simulation models.	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
France	Francois	Lieutier	University of Orleans	Biological characteristics of the Mediterranean forest insects	38 Is climatic change modifying the characteristics of insect damage in forests?	Forest Health in a Changing World
France	Antonello	Lobianco	INRA	Long term projections of the French forest assets under climatically-induced uncertainty	(Forests and Climate Change)	Forests and Climate Change
France	Daliéna	LUDOSKY	ESB/ESIReims/SIEL	Wooden packaging: Factors that influence the migration of organic compounds	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
France	Sandra	Luque	IRSTEA-France & University of St. Andrews	Forest landscape heterogeneity and local plant species richness effects: A proxy for biodiversity monitoring	Forest biodiversity, ecosystem services and human well-being – harnessing biodiversity for adaptation to global change	Sub-plenary session

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France	Sandra	Luque	IRSTEA-France & University of St. Andrews	Operationalization of the concepts of Ecosystem Services and Natural Capital: Forest ecosystem functioning and trade-offs	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
France	Zhun	Mao	IRSTEA	How does the asymmetry of root system architecture modify soil strength and slope stability?	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
France	Daniel	McInerney	LSCE	How will climate change impact forest productivity in France during the 21st Century?	107 Forest management for adaptation to climate change	Forests and Climate Change
France	Céline	Meredieu	INRA	Predicting the spore infection depending on climate to model the Heterobasidion annosum dynamics in even-aged Pinus pinaster stand	8 Modeling as a tool for improving the knowledge on forest vulnerability and risk exposure in a changing world	Forest Health in a Changing World
France	Nicolas	Métro	Kinomé	Towards a new paradigm: valuation of the impacts of reforestation and non timber value-chain projects on fundamental human needs	162 Greening society and non-wood forest product commercialisation: assessing the environmental, economic and social trade-offs	Forests and Forest Products for a Greener Future
France	Yogan	Monnier	INRA	Understanding how tree roots influence soil properties and biotic processes in agroforests	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
France	Vuillermoz	Morgan	FCBA	Forest Engineering propelling the value chains: current status in France and lessons learned from the FEC-FORMEC community	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
France	Yann	Nouvellon	CIRAD, UMR Eco&Sols	Carbon, water and nutrient balances of an Eucalyptus grandis plantation in Brazil over a 5 yrs period	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
France	Christophe	ORAZIO	European Forest Institute	International congress of planted forest : main issues and research needs for planted forests	52 Ecosystem services provided by planted forests	Forest Biodiversity and Ecosystem Services
France	Christophe	ORAZIO	European Forest Institute	Research Infrastructure & Network for Monitoring and Adapting European Atlantic Forests under Climate Change (REINFFORCE)	75 Adaptive forest management under climate change – networking from local to global scales in the temperate zones	Forests and Climate Change
France	Jean-Luc	PEYRON	ECOFOR	Synergies and trade-offs between forest adaptation and mitigation	222 Forest management options to tackle climate change	Forests and Climate Change
France	Jean-Luc	PEYRON	ECOFOR	Need for new learning approaches in an evolving world: an example dealing with climate change	131 Forestry education serving science and practice	Forests for People
France	Jean-Luc	PEYRON	ECOFOR	Forest management and carbon regulation: an integrated economic perspective based on sequestration, storage and substitution	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
France	olivier	picard	CNPF/IDF	Bringing science to practice: the French experience	107 Forest management for adaptation to climate change	Forests and Climate Change
France	olivier	picard	CNPF/IDF	The forest owner, key player in well-being in the forest	63 Forests and human wellbeing: Life satisfaction and behavioral approaches	Forests for People
France	Herve	PIEGAY	CNRS	Riparian forest conservation and restoration: a few examples from Eastern France	238 Sustaining riparian biodiversity and ecosystem services in a changing climate	Forest and Water Interactions
France	Margot	Régolini	EFIATLANTIC	How management of planted forests can mitigate the risk from multiple hazards	135 Multiple risk management in planted forests	Forest Health in a Changing World
France	Simon	Rizzetto	CNRS-EcoLab	Critical Load of atmospheric nitrogen deposition in French forests: modelling soil and vegetation response in a context of climate change.	85 Critical loads for nutritional nitrogen deposition: Progress and problems	Forest Health in a Changing World

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France	Christelle	Robinet	INRA, Forest Zoology Unit	The importance of range dynamics of insects and pathogens in forest ecosystems	94 Changes in distributional ranges in a changing world	Forest Health in a Changing World
France	Alain	Roques	INRA, Zoologie Forestière	Forest Insect Invasion Pathways in Europe	Stemming invasions of forest insects and pathogens: Research supporting pathway risk management and phytosanitary policy	Sub-plenary session
France	Jérôme	Rousselet	INRA	Increasing damage due to the pine processionary moth in Europe: role of climate and landscape changes	38 Is climatic change modifying the characteristics of insect damage in forests?	Forest Health in a Changing World
France	Jérôme	Rousselet	INRA	Trees outside forest (TOF) strongly impact habitat connectivity for forest insects	184 Forest health in changing landscapes: The roles of landscape patterns	Forest Health in a Changing World
France	Jérôme	Rousselet	INRA	Googling forest pests - use of Google as a monitoring tool for delimiting the distributional range of forest pests	94 Changes in distributional ranges in a changing world	Forest Health in a Changing World
France	Géraldine	Roux	INRA Orléans	Population structure and local adaptation of the pine cone weevil <i>Pissodes validirostris</i> (Coleoptera, Curculionidae) : disentangle the role of the host-plant from the geography	(Forest Health in a Changing World)	Forest Health in a Changing World
France	Aurélien	Sallé	LBLGC University of Orléans	Climate change and silvicultural practices promoted the emergence of a novel pest of poplar stands	38 Is climatic change modifying the characteristics of insect damage in forests?	Forest Health in a Changing World
France	Pierre	Sicard	ACRI-ST	Ozone stomatal flux-based critical levels translated into real-world forest impacts	14 Ozone and forest health	Forest Health in a Changing World
France	Plinio	Sist	Cirad	Current state and new trends in the silviculture and sustainable management of tropical production forests	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services
France	Alexia	Stokes	INRA	Natural hazards in forests - does time heal all wounds?	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
France	Vincent	Thierion	Irstea	Forest planners' perception of future landscape trajectories - A case study in a French forested mountainous region -	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
France	Yves	Thiry	Andra	Biogeochemical cycling of radiocaesium in contaminated forest area: an overview	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services
France	Yves	Thiry	Andra	Impact of forest vegetation on long term recycling of radionuclides at polluted sites	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services
France	Ming	Yang	INRA	Modelling root successive breakage during tree uprooting with finite element method	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
Gabon	MBOMA	Raymonde	Institut de Recherche en Ecologie Tropicale (IRET)	Wrong identification of timber trees and its impact on forest biodiversity conservation in Gabon: the case of 'andoung'.	219 How does biodiversity help to manage high-value timber species, and vice-versa?	Forest Biodiversity and Ecosystem Services
Germany	Asmamaw Alemu	Abteu	Technical University of Dresden, Germany	Contribution of gum and resin commercialization to rural livelihood in the drylands of Ethiopia and Sudan	252 Forest-dependent community development	Forests for People
Germany	Norbert	Asche	Wald und Holz NRW	Identifying Forests Susceptible to Climate Change in NW-Germany	75 Adaptive forest management under climate change – networking from local to global scales in the temperate zones	Forests and Climate Change

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Germany	Adam	Benneter	Albert-Ludwigs-University Freiburg	Effects of tree species diversity on stem quality – plot and tree level results from six European regions	219 How does biodiversity help to manage high-value timber species, and vice-versa?	Forest Biodiversity and Ecosystem Services
Germany	Michael	Böcher	University of Goettingen, Faculty of Forest Sciences	The RIU-model as framework for analyzing science policy interactions in environmental and forest policy	136 The knowledge that counts – analyzing science policy interactions in forest policy	Forests for People
Germany	Andreas	Bolte	Thünen Institute of Forest Ecosystems	Understorey dynamics after disturbance accelerate succession from spruce to beech dominated forest	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
Germany	Andreas	Bolte	Thünen Institute of Forest Ecosystems	Adaptive forest management in global temperate forests – pathways for a co-operative network concept	75 Adaptive forest management under climate change – networking from local to global scales in the temperate zones	Forests and Climate Change
Germany	Franka	Brüchert	Forest Research Institute of Baden-Württemberg	Douglas fir roundwood quality – Impact of growth space on juvenile development, wood density and branch development for future timber quality	41 Intensive or ecosystem-based forest management – impact on yield, wood quality and economic return?	Forests and Forest Products for a Greener Future
Germany	Martin	Brunsmeyer	Albert-Ludwigs-University Freiburg, Chair of forest utilization	A sustainability assessment of wood-energy-supply-chains based on the method of a Life-Cycle-Assessment	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Germany	Henning	Buddenbaum	Environmental Remote Sensing and Geoinformatics, Trier University	Measuring Photosynthesis of Beech Seedlings with Field Imaging Spectroscopy	(Forests and Climate Change)	Forests and Climate Change
Germany	Frank	Burger	Bavarian State Institute of Forestry	Life Cycle Assessment of Short Rotation Coppice	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Germany	Juergen	Burkhardt	University of Bonn	Particulate air pollutants may aggravate climatic drought effects by decreasing tree drought tolerance	180 Air pollution as a factor affecting global forest health	Forest Health in a Changing World
Germany	Sophia	Carodenuto	UNIQUE forestry and land use	Analyzing direct and underlying drivers of deforestation and forest degradation for REDD+ in Cameroon: Methodology development and pilot test	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
Germany	Siu Lang	Carrillo Yap	Georg-August-University Göttingen. Institute of Public International and European Law.	Legal framework of community forestry of indigenous peoples in the Amazonian countries: a comparison of national land and forest laws	42 Innovative forest and environmental legislation for better diversity	Forests for People
Germany	Scott	Cettie	Albert-Ludwigs- Universität Freiburg - Institute of Environmental Social Sciences and Geography	Millions of Trees and Multiplicities of Meaning: On the Framing of 'Forests' in International Policy Discourse(s)	188 Ineffective international forest policy? The role of forest information, international law and politics	Forests for People
Germany	Tamalika	Chakraborty	University of Freiburg	Impact of anthropogenic disturbances on high value NTFPs in temperate moist oak forest: a case study from the Eastern Himalayas, India	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services
Germany	Tamalika	Chakraborty	University of Freiburg	Ecological complexity, stand basal area and rooting intensity respond differently under edaphic drought in ecotones at abandoned coppice forests	113 Coppice forests - a tradition with future	Forests for People
Germany	Tamalika	Chakraborty	University of Freiburg	European beech trees have developed an adaptive strategy of survival through crown die-back under stress of drought and plant competition	75 Adaptive forest management under climate change – networking from local to global scales in the temperate zones	Forests and Climate Change

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Germany	Tobias	Cremer	Eberswalde University for Sustainable Development, Chair of Forest Utilization and Wood Markets	Optimizing Biomass Resource Allocation for Industrial and Energetic Utilization in the Light of Forest Certification	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Germany	Tomasz	Czajkowski	Thünen Institute of Forest Ecosystems	What is the lethal dose of 'physiological drought' for forest trees? – the L5OSWD concept	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
Germany	Chunling	Dai	University of Freiburg, Germany	Effects of solar radiation transmittance variability on the regeneration of Quercus aliena var. acutiserrata in the Western Qinling Mountains, China	247 Oak regeneration to maintain biodiversity around the world	Forest Biodiversity and Ecosystem Services
Germany	Chunling	Dai	University of Freiburg, Germany	Stand structure and vegetation of the deciduous mixed oak forests in the montane zone of the Western Qinling Mountains, China	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services
Germany	Angela Luciana	de Avila	Chair of Silviculture, Faculty of Environment and Natural Resources, University of Freiburg	Post-logging stand dynamics of a tropical rain forest in the Brazilian Amazon	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services
Germany	Utkur	Djanibekov	Center for Development Research, University of Bonn	Trees, crops, and rural livelihoods: Afforestation of marginal croplands in Uzbekistan	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Germany	Mario	Dobner Jr.	Albert-Ludwigs University	Crown thinning effects on growth of Pinus taeda stands in southern Brazil	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
Germany	Benjamin	Engler	University of Freiburg, Chair of Forest Utilization	Social and Economic Consequences of Eucalyptus Plantation Management	164 Precision land-use management - state and perspectives	Forests and Forest Products for a Greener Future
Germany	Fabian	Fassnacht	University of Freiburg	Forest biomass estimation from remote sensing data - assessment of the influence of various environmental and data-related factors on the modeling process.	49 Using multi-source remotely sensed data and nearest neighbor techniques to improve inference for natural resource applications.	Forests and Climate Change
Germany	Susanne	Frank	Center for Development Research (ZEF), Dept. Ecology and Natural Resources Management, University of Bonn	Forest management at the landscape level – an integrated approach	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
Germany	Christine	Fürst	Center for Development Research (ZEF) Dept. Ecology and Natural Resources Management University of Bonn	Supporting participatory land use planning processes and decisions – the GISCAM platform	118 Providing ecosystem services under climate change: Community of practice of forest decision support systems	Forest Biodiversity and Ecosystem Services
Germany	Christine	Fürst	Center for Development Research (ZEF) Dept. Ecology and Natural Resources Management University of Bonn	From forest functions to forest ecosystem services (ES) – benefits from introducing the ES concept	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services

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Germany	Sabine	Fuss	Mercator Research Institute on Global Commons and Climate Change	Spatial modeling of ecological-economic tradeoffs: bioenergy production and biodiversity conservation in the Alps	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
Germany	Sabine	Fuss	Mercator Research Institute on Global Commons and Climate Change	BECCS+REDD: Synergies between bioenergy-based climate change mitigation options and reducing emissions from deforestation	243 Global and regional deployment of Biomass & CCS (BECCS): Reconciling top-down and bottom-up approaches and REDD+BECCS Nexus	Forest Biomass and Bioenergy
Germany	Lukas	Giessen	Dep of Forest Policy, University Goettingen	Horizontal and vertical fragmentation of the international forest regime: (in)effective for who?	188 Ineffective international forest policy? The role of forest information, international law and politics	Forests for People
Germany	Alejandro	Guarin	German Development Institute / Deutsches Institut für Entwicklungspolitik	The role of smallholders in a green economy: the case of Peru	82 Smallholders and forest landscape transitions: Locally devised development strategies of tropical America	Forests for People
Germany	Taisser	H. H. Deafalla	Dresden university of Technology	Roles of Non-Timber Forest Products for rural livelihoods in Nuba Mountains, Sudan	162 Greening society and non-wood forest product commercialisation: assessing the environmental, economic and social trade-offs	Forests and Forest Products for a Greener Future
Germany	Taisser	H. H. Deafalla	Dresden university of Technology	Investigation study for Acacia senegal Gum Trade in Sahel Region	162 Greening society and non-wood forest product commercialisation: assessing the environmental, economic and social trade-offs	Forests and Forest Products for a Greener Future
Germany	Sebastian	Hauk	HSWT University of Applied Sciences Weihenstephan-Triesdorf	Yields of Short Rotation Forestry in first rotation period – yields of field sites can compete with field trials	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Germany	Sebastian	Hauk	HSWT University of Applied Sciences Weihenstephan-Triesdorf	Short Rotation Forestry in Bavaria (Southern Germany) – Results of a Survey of Operators	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Germany	Daniel	Hawtree	Technische Universität Dresden / Università degli Studi di Padova	The Hydrologic Impacts of Long-Term Afforestation in an Upland Watershed in North-Central Portugal	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions
Germany	Daniel	Hawtree	Technische Universität Dresden / Università degli Studi di Padova	Model-Based Assessment of Land-Use / Land-Cover Change on Water Quality and Economic Outcomes in an Agricultural Watershed in North-Central Portugal	127 Land Use/Land Cover Change and hydroecology: Consequences at variable spatial scales.	Forest and Water Interactions
Germany	Joachim	Hill	Environmental Remote Sensing and Geoinformatics, Trier University, Germany	An Idea of Things to Come: Using Satellite Observations for Assessing Site-Specific Sensitivities of European Beech to Excessive Drought Conditions	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
Germany	Anique	Hillbrand	Bangor University	Indigenous Agroforestry Systems under Pressure - The Case of Gedeo Agroforestry and its Value to Farmers' Livelihoods, Ethiopia	200 On farm trees: towards the promotion and development of a traditional or local silviculture in tropical and subtropical forest regions	Forests for People
Germany	Karin	Höglmeier	Technische Universität München	Optimizing wood utilization in regard to GHG emissions and primary energy consumption on a regional level exemplified for south-east Germany	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy

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Germany	Md. Mohitul	Hossain	MSc European Forestry Student, University of Freiburg	Water erosion vulnerability of upland watersheds under different forest covers in the Chittagong Hill Tracts, Bangladesh	127 Land Use/Land Cover Change and hydroecology: Consequences at variable spatial scales.	Forest and Water Interactions
Germany	Md. Mohitul	Hossain	MSc European Forestry Student, University of Freiburg	Species diversity and management techniques of Village Common Forests: A case study from Bandarban, Bangladesh	190 Value of traditional knowledge for sustainable forest management	Forests for People
Germany	Dirk	Jaeger	Fakultät für Umwelt und Natürliche Ressourcen - Albert-Ludwigs-Universität Freiburg	Improved methods for timber extraction in South-West China	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services
Germany	Anke	Jentsch	University of Bayreuth	Species response to drought and late frost is affected by within species diversity	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
Germany	Hubert	Jochheim	Leibniz-Centre for Agricultural Landscape Research (ZALF)	Modeling the effects of forest management and wood products use on carbon budget in context of climate change	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy
Germany	Marion	Karmann	Forest Stewardship Council - FSC International	Promoting gender competence of forestry students – experiences from GenCom international spring school	72 The social education of foresters	Forests for People
Germany	Marion	Karmann	Forest Stewardship Council - FSC International	Monitoring and evaluation of impacts of FSC forest management certification	136 The knowledge that counts – analyzing science policy interactions in forest policy	Forests for People
Germany	Asia	Khamzina	University of Bonn	Rehabilitation of degraded agroecosystem services through forestry in irrigated croplands of Central Asia	163 Desertification, land degradation and drought	Forests and Climate Change
Germany	Elisabeth	Kindler	Georg-August-Universität Göttingen, Department of forest economics and forest utilization	Influence of the TEEB DE study on forest reporting and management	Integrating the economics of ecosystem services into sustainable forest management	Sub-plenary session
Germany	Christoph	Kleinn		National forest monitoring programs as data providers to forest related policy processes:	188 Ineffective international forest policy? The role of forest information, international law and politics	Forests for People
Germany	Marc	Koch	Bavarian State Institute of Forestry	Changes and Trends in forest ownership in Bavaria, what do we know and what should we know?	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Germany	Michael	Koehl	University of Hamburg	Assessing information for indicators on SFM: potentials and pitfallsCriteria and indicators (C&I) have emerged as a powerful tool to promote sustainable forest management (SFM). Several international programs and initiatives have developed sets of criteri	Advances in large-scale forest inventories to support the monitoring and the assessment of forest biodiversity and ecosystem services	Sub-plenary session
Germany	Michael	Koehl	University of Hamburg	Enhancing forest carbon mitigation potentials by forest management and timber utilization	222 Forest management options to tackle climate change	Forests and Climate Change
Germany	Konstantin	Krutovsky	Forest Genetics and Tree Breeding, Bűsngen-Institut, University of Göttingen, Bűsngenweg 2, D-37077 Göttingen	Population and landscape genomics to study local adaptation in loblolly pine (Pinus taeda L.) populations and to breed more climate change resilient trees	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services

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Germany	Angelika	Kühn	Chair of Ecophysiology of Plants, Technische Universität München, Germany	Drought and tropospheric ozone limit intra-annual stem growth of European beech (<i>Fagus sylvatica</i>) across Bavaria/Germany	180 Air pollution as a factor affecting global forest health	Forest Health in a Changing World
Germany	Jörg	Kunz	Chair of Silviculture, University of Freiburg	Regeneration patterns and persistence of the of the rare tree species <i>Sorbus torminalis</i> in Central European oak coppice forests	Forest regeneration: challenges and prospects	Forest Biodiversity and Ecosystem Services
Germany	Jörg	Kunz	Chair of Silviculture, University of Freiburg	Responses in physiology and growth of minor central European tree species to drought events	75 Adaptive forest management under climate change – networking from local to global scales in the temperate zones	Forests and Climate Change
Germany	Hooman	Latifi	University of Wuerzburg	Dead stands from the space: experiences with synergized multi-date medium resolution imagery to describe damages caused by European bark beetle	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
Germany	Hooman	Latifi	University of Wuerzburg	An object-based analysis of high resolution imagery to map canopy cover across semi-Mediterranean stands in western Iran	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
Germany	Sina	Leipold	University of Freiburg	On how to gain discursive agency in environmental conflicts – exploring policy discourses on illegal logging	220 Richer economies, better environmental policies? Analyzing the “environmental question” in forest policy in OECD countries	Forests for People
Germany	Siegfried	Lewark	University of Freiburg	Social sciences in forestry curricula – experiences at the University of Freiburg, Germany, over twenty years	72 The social education of foresters	Forests for People
Germany	Karla	Locher	PhD student/ Helmholtz Centre for Environmental Research	Spatial-temporal analysis of forest ecosystem services in the South of Chile.	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
Germany	Jacqueline	Logmani	University of Goettingen/Forestpolicy	A comparative study of International Forest Policy Issues in Germany, Poland and Sweden	188 Ineffective international forest policy? The role of forest information, international law and politics	Forests for People
Germany	Martin	Lorenz	Thünen Institute	State of European forest under environmental changes	180 Air pollution as a factor affecting global forest health	Forest Health in a Changing World
Germany	Mustafa	M. El-Abbas	Dresden university of Technology, Faculty of Environmental Sciences, Germany	Remote sensing, GIS and successive inventory for forest resource assessment in the Blue Nile region, Sudan	(Forests and Climate Change)	Forests and Climate Change
Germany	Andreas	Manuel	Chair of Forest Utilization / University of Freiburg	What makes wood so attractive? Transforming consumers` emotions into material characteristics	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
Germany	Rainer	Matyssek	Technische Universität München	Can we predict tree response to ozone under climate change ? - current status and perspectives	14 Ozone and forest health	Forest Health in a Changing World
Germany	Elena	Mechik	University of Hamburg	Poverty Alleviation and Preservation of Tropical Forests through establishment of Small Scale Forest Enterprises with Social Responsibility	162 Greening society and non-wood forest product commercialisation: assessing the environmental, economic and social trade-offs	Forests and Forest Products for a Greener Future

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Germany	Katharina	Meyer	University of Göttingen, Forest Faculty, Department Nature Conservation and Landscape Planning	Analyzing the willingness for cooperation between forest and health experts in improving people's health in Germany	169 Forests and human health: The role of research towards evidence-based practice	Forests for People
Germany	Markus	Meyer	Helmholtz-Centre for Environmental Research - UFZ	: Environmental Impacts of Solid Biofuels – Case Studies Representing a Gradient of Biophysical Conditions	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy
Germany	Ralph	Mitloehner	Department of Tropical Silviculture and Forest Ecology, Goettingen University	Biodiversity Planning: A New Matching Tool to Rehabilitate Ex-Forest Land with Native Tree Species	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
Germany	Sulmaz	Mohandesi Namin	Teschnische Universität Dresden	Local communities' perception and awareness about protected areas in Iran (A case of Golestan National Park)	Social sustainability of forest resource use	Forests for People
Germany	David	Montwé	Albert-Ludwigs-Universität Freiburg, Institute of Forest Sciences, Chair of Forest Growth	Identifying drought resistant lodgepole pine genotypes for a changing climate: growth and hydraulic response observed in genetic field trials	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
Germany	Mac Elikem	NUTSUAKOR	Georg-August University	FOREST RESTORATION IN THE TROPICS: THE ROLE OF SEED STORAGE AND STORAGE ENVIRONMENT IN GERMINATION	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Germany	Martin	Opferkuch	University of Freiburg - Chair of Forest Operations	Log distribution planning for efficient wood supply chains	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Germany	Angela Cristina	Paredes Alvarado	Chair for Forest Utilization, University of Freiburg	High-value lesser known timber species from secondary tropical dry forests in Colombia	Forestry for desired wood quality and products from underutilized forest species	Forests and Forest Products for a Greener Future
Germany	Hodabalo	Pereki	Laboratory of Botany and Plant Ecology (University of Lome, Togo) and Hamburg University of Applied Sciences (Germany)	Tropical dry forests above-ground biomass measurements in West Africa, Abdoulaye Wildlife Reserve (Togo)	(Forests and Climate Change)	Forests and Climate Change
Germany	Stoll	Peter-Tobias	University of Göttingen	If so, how many forest conventions do we need?	188 Ineffective international forest policy? The role of forest information, international law and politics	Forests for People
Germany	Patrick	Pyttel	Chair of Silviculture, Albert-Ludwigs-University Freiburg	Valuable but threatened: How the abandonment of traditional forest management systems influences the occurrence of a rare tree species	113 Coppice forests - a tradition with future	Forests for People
Germany	Patrick	Pyttel	Chair of Silviculture, Albert-Ludwigs-University Freiburg	Effects of different harvesting intensities on the macro nutrient pools in aged oak coppice forests	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
Germany	Patrick	Pyttel	Chair of Silviculture, Albert-Ludwigs-University Freiburg	The effect of harvesting on stump mortality and re-sprouting in aged oak coppice forests	113 Coppice forests - a tradition with future	Forests for People
Germany	Patrick	Pyttel	Chair of Silviculture, Albert-Ludwigs-University Freiburg	Conserving plant diversity of Central European oligotrophic forest habitats requires goal-oriented management of nutrient cycles	85 Critical loads for nutritional nitrogen deposition: Progress and problems	Forest Health in a Changing World

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Germany	Klaus	Richter	Technische Universität München / Holzforschung München	Improving the resource efficiency of wood consumption – a LCA study on wood cascading	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy
Germany	Klaus	Richter	Technische Universität München / Holzforschung München	The role of Fenton derived hydroxyl radicals in oxidative and enzymatic degradation of furfurylated wood	159 Emerging green and sustainable alternatives to classical wood preservative to protect forest products	Forests and Forest Products for a Greener Future
Germany	Tim	Ritter	Department of Ecoinformatics, Biometrics and Forest Growth ; University of Göttingen ; Büsgenweg 4 ; Göttingen 37077 ; GERMANY	Efficient sampling techniques for the estimation of deadwood volume and carbon storage in managed forests	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
Germany	Alexander	Roell	Tropical Silviculture and Forest Ecology, Georg-August-Universität Göttingen	Forest vs. oil palm: the differences in plant water use	(Forest and Water Interactions)	Forest and Water Interactions
Germany	Hugo	Rosa da Conceição	Center for Development Studies, University of Bonn	Determinants of incentive-based forest governance in the Amazon: evidence from case studies in Brazil, Ecuador, and Peru	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
Germany	Somidh	Saha	University of Freiburg	Oak (Quercus robur and Q. petraea) cluster planting increases tree species richness, stand productivity and fosters oak growth and quality	247 Oak regeneration to maintain biodiversity around the world	Forest Biodiversity and Ecosystem Services
Germany	Somidh	Saha	University of Freiburg	Growth and stem quality of oak trees established in cluster plantings respond differently to intra- and interspecific neighbourhood competition	219 How does biodiversity help to manage high-value timber species, and vice-versa?	Forest Biodiversity and Ecosystem Services
Germany	Somidh	Saha	University of Freiburg	Traditional knowledge is trivial for managing mountain natural resources: a case study from the Eastern Himalaya	190 Value of traditional knowledge for sustainable forest management	Forests for People
Germany	Somidh	Saha	University of Freiburg	Use of medicinal plants among Panchen-Monpa tribe in remote region in the Eastern Himalayas, India	(Forests for People)	Forests for People
Germany	Muhammad Alif Kaimuddin	Sahide	Chair of Forest and Nature Conservation Policy, University of Goettingen	COMPLEX NATIONAL LAND USE ADMINISTRATION FOR STEERING OF TROPICAL LOWLAND RAINFOREST TRANSFORMATION SYSTEMS IN SUMATRA - FORMAL RESPONSIBILITIES OF BUREAUCRACIES	188 Ineffective international forest policy? The role of forest information, international law and politics	Forests for People
Germany	Manjola	Salla	Georg August Universität	Community Forest Outcomes do Immensely Depend on the Behavior of Forest Users: A Case Study of Albania	63 Forests and human wellbeing: Life satisfaction and behavioral approaches	Forests for People
Germany	Udo H.	Sauter	Forest Research Institute of Baden-Württemberg	Automated wood species identification by CT technology	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
Germany	Harald	Schaich	University of Freiburg	Small-scale private forests provide increased structural diversity and carbon storage in Germany's Swabian Alb biosphere reserve	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Germany	Michael	Scherer-Lorenzen	University of Freiburg	Assessing biodiversity effects on forest multi-functionality using a global network of tree diversity experiments	Biodiversity and ecosystem services in planted forests	Sub-plenary session
Germany	Thomas	Scheuschner	OEKODATA GmbH	Critical loads and climate change in the Polish-Saxon border region	85 Critical loads for nutritional nitrogen deposition: Progress and problems	Forest Health in a Changing World

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Germany	Franziska	Schier	University of Natural Resources and Life Sciences, Vienna	Characteristics, Structure, and Tree Species Diversity of a Tropical Exploitation Forest after 40 Years of Regeneration	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services
Germany	Christina	Schumann	University of Applied Science Weihenstephan-Triesdorf	Forest biomass and biodiversity: which conflicts arise from contrary environmental goals?	220 Richer economies, better environmental policies? Analyzing the “environmental question” in forest policy in OECD countries	Forests for People
Germany	Christina	Schumann	University of Applied Science Weihenstephan-Triesdorf	The effect increasing biomass demands on forest management in Central Europe	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Germany	Janine	Schweier	University of Freiburg, Chair of forest utilization	Euro Coppice: Joint forces for a traditional management concept	113 Coppice forests - a tradition with future	Forests for People
Germany	Janine	Schweier	University of Freiburg, Chair of forest utilization	Energy wood from short rotation coppice on agricultural land in south-west Germany- environmental and economic assessment of alternative supply concepts	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Germany	Walter	Seidling	Thünen Institute of Forest Ecosystems	Reassessing critical load calculations by ecosystem feedback	85 Critical loads for nutritional nitrogen deposition: Progress and problems	Forest Health in a Changing World
Germany	Steve	Sepp	ECO-Consult	Creating new biomass energy resources on degraded land - The economic power of property rights	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Germany	Julia	Sohn	Univeristy of Freiburg	Potential of thinning to mitigate drought stress in trees – a meta-analysis	75 Adaptive forest management under climate change – networking from local to global scales in the temperate zones	Forests and Climate Change
Germany	Julia	Sohn	Univeristy of Freiburg	Mitigation of drought by thinning: short-term and long-term effects on growth and physiological performance of Norway spruce (Picea abies)	79 Sustainable management of spruce dominated ecosystems in response to climate change	Forests and Climate Change
Germany	Metodi	Sotirov	University of Freiburg, Chair of Forest and Environmental Policy	Changes in environmental governance and illegal logging policies: the case of the European Union's timber regulation	220 Richer economies, better environmental policies? Analyzing the “environmental question” in forest policy in OECD countries	Forests for People
Germany	Peter	Spathelf	Applied Silviculture, Faculty of Forest and Environment, Eberswalde University for Sustainable Development (HNEE)	Adaptive forest management – the key for forest adaptation to climate change?	107 Forest management for adaptation to climate change	Forests and Climate Change
Germany	Stefan M.	Stängle	Forest Research Institute Baden-Württemberg	Modelling bark thickness and volume for Norway spruce (Picea abies [L.] Karst) in SW-Germany	(Forests and Climate Change)	Forests and Climate Change
Germany	Johannes	Stoffels	Environmental Remote Sensing and Geoinformatics, Trier University	Perspectives of integrating multi-phenological and multi-sensory remote sensing data into operational forest management	(Forests and Climate Change)	Forests and Climate Change
Germany	Bettina	Stoll	Bavarian State Institute of Forestry	Harwarder harvesting of short rotation coppice - time studies of a combined harvester and forwarder	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Germany	Christian	Suchomel	Environmental Centre of Munich	Harvesting hardwood from aged coppice forests – Influencing parameters on time consumption	113 Coppice forests - a tradition with future	Forests for People
Germany	van tuong	tran	Chair of Forest Utilization/Uni-Freiburg	Sustainability in conventional logging of natural forest in Vietnam: Issues and way forward	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services

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Germany	van tuong	tran	Chair of Forest Utilization/Uni-Freiburg	Optimization of plantation forest-wood supply chains in Vietnam towards more sustainability	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
Germany	Grace	Villamor	Center for Development Research, University of Bonn, Germany and World Agroforestry Centre (ICRAF), Bogor, Indonesia	Gender differences in land-use decision making and its implication to ecosystem services: a case in Indonesia	(Forests for People)	Forests for People
Germany	Johanna	Wehkamp	Mercator Research Institute on Global Commons and Climate Change	Lost in proposals: An institutional analysis of REDD+ in the African context	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
Germany	Agung	Wibowo	University of Goettingen	Authority Changing in Indonesian Forest Governance	188 Ineffective international forest policy? The role of forest information, international law and politics	Forests for People
Germany	Nico	Wilms-Posen	University of Copenhagen	Joint Forest Management in Western Uganda - Impacts of internal governance on local livelihoods and conservation	105 The social outcomes of community forestry: What do we know and how do we know it?	Forests for People
Germany	Matthias	Wilnhammer	University of Applied Sciences Weihenstephan-Triesdorf	Estimating forest biomass supply from small-scale private forest owners - a case study from Southern Germany	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Germany	Matthias	Wilnhammer	University of Applied Sciences Weihenstephan-Triesdorf	Ecological impact of burning wood fuels - Projecting Life Cycle Assessment (LCA) results for solid biomass products to the provincial level	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy
Germany	Georg	Winkel		Institutional Mimicry, Shifting Values and Diverging Policy Paths. Comparing forest environmental policy evolution in Germany and the United States	220 Richer economies, better environmental policies? Analyzing the "environmental question" in forest policy in OECD countries	Forests for People
Germany	Georg	Winkel		The European forest policy paradox – how policy integration fails through practices of sectoral polarization	37 Achieving policy integration across fragmented domains: Forest policy perspectives	Forests for People
Germany	Wei	Xu	Albert-Ludwigs-University Freiburg	Environmental impact assessment of China's forest-to-pulp supply chain	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy
Germany	Wei	Xu	Albert-Ludwigs-University Freiburg	Life Cycle Assessment of cellulose nanowhiskers prepared with ionic liquid	259. Applications of nanotechnology and biotechnology in forest products research	Forests and Forest Products for a Greener Future
Germany	Bin	You	Albert-Ludwigs-University Freiburg	Influence of extreme storm events on forest soil carbon stock changes in Baden-Wuerttemberg, Germany	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
Germany	Rasoul	Yousefpour	Max Planck Institute for Meteorology	Modelling for Adaptive Forest Management under Climate Change in Europe	181 The interface between quantitative forest sector modeling and policy analysis: What can be improved?	Forests and Forest Products for a Greener Future
Germany	Rasoul	Yousefpour	Max Planck Institute for Meteorology	The value of adaptation to climate change for european forestry	107 Forest management for adaptation to climate change	Forests and Climate Change

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Germany	Sheila Edith	Zamora Lopez	University of Hamburg	A geostatistical approach to integrate the national forest inventories and monitoring issues in a scope of REDD+	74 Advances in forest carbon measurements and monitoring for building REDD+ MRV systems	Forests and Climate Change
Ghana	Emmanuel	Acheampong	Kwame Nkrumah University of Science and Technology, Ghana	On-Farm Tree Planting in Ghana's High Forest Zone: Promoting Sustainable Livelihoods for Smallholders through Reforestation Initiatives	200 On farm trees: towards the promotion and development of a traditional or local silviculture in tropical and subtropical forest regions	Forests for People
Ghana	Emmanuel	Acheampong	Kwame Nkrumah University of Science and Technology, Ghana	State Initiated Forest and Tree-based Livelihoods: The Case of Government Plantation Development Programme in Ghana	63 Forests and human wellbeing: Life satisfaction and behavioral approaches	Forests for People
Ghana	Daniel	Agyei	Presbyterian University College, Ghana	Amphibians Richness and Distribution Along Mountainous Forest Ecosystem in Ghana	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Ghana	Kafui Kwesi	Agyeman	Kwame Nkrumah University of Science and Technology, Kumasi, Ghana	Salvaging the interest of the Woodworker: the "Metinwood" Approach	87 Innovation in the forest sector: maximizing the sector's competitiveness	Forests and Forest Products for a Greener Future
Ghana	Kafui Kwesi	Agyeman	Kwame Nkrumah University of Science and Technology, Kumasi, Ghana	The influence of growth environment of trees on their artistic usage	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Ghana	Kafui Kwesi	Agyeman	Kwame Nkrumah University of Science and Technology, Kumasi, Ghana	Harmattan shrinkage in Lumber: A situation at the North Coast of the Gulf of Guinea	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Ghana	Kwakye	Ameyaw	Forestry Commission	Forest Biodiversity Conservation Strategies within the Traditional Sacred Grove Concept: Case Study in Ghana	190 Value of traditional knowledge for sustainable forest management	Forests for People
Ghana	Lucy	Amissah	CSIR-Forestry Research Institute of Ghana	The performance of ten Ghanaian tree species in response to drought and shade	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
Ghana	Mary	Apetorgbor	CSIR-Forestry Research Institute of Ghana	Emerging insect pest and disease in Cedrela odorata plantations in Ghana	34 The co-evolution of insects and fungi that form symbiotic relationships and kill forest trees	Forest Health in a Changing World
Ghana	Emmanuel	Appiah-Kubi	Forestry Research Institute of Ghana	Exploring lesser used timber species in Ghana for greener construction: a case of Cola gigantea and Ficus sur	Forestry for desired wood quality and products from underutilized forest species	Forests and Forest Products for a Greener Future
Ghana	Emmanuel	Appiah-Kubi	Forestry Research Institute of Ghana	Plantation Grown Tree species for Wood Carving in Ghana: Concerns of Traditional Wood Carvers	5 Wood and forest culture: merging the past with the present	Forests for People
Ghana	Emmanuel	Appiah-Kubi	Forestry Research Institute of Ghana	Use of wood and agricultural residues in brick production: an environmentally friendly alternative to Cement Blocks in Ghana	258. Bio-based composite and engineered products from wood and non-wood forest resources	Forests and Forest Products for a Greener Future

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Ghana	Emmanuel	Appiah-Kubi	Forestry Research Institute of Ghana	Promotion and utilization of plantation grown timber species in Ghana: The kiln drying schedule of Khaya ivorensis	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Ghana	Emmanuel	Appiah-Kubi	Forestry Research Institute of Ghana	Strategies for sustainable dependence on the forest: the case of wood carvers in Ghana	63 Forests and human wellbeing: Life satisfaction and behavioral approaches	Forests for People
Ghana	OSEI ASIBE	ASAFU-ADJAYE		Promotion and Characterization of the Mechanical properties of the Non Timber Forest Product Borassus aethiopum	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Ghana	David Anokye	Asamoah	International Assistance for Community Development(INACOD) Ghana	Combating Desertification through the development of an enterprise -focused apiforestry niche in Kenya	200 On farm trees: towards the promotion and development of a traditional or local silviculture in tropical and subtropical forest regions	Forests for People
Ghana	Blankson	Baffo	Volta River Authority	Potential of the Forest to Produce Raw Material for the Wood Carving Industry in Ghana	5 Wood and forest culture: merging the past with the present	Forests for People
Ghana	Paul P.	Bosu	Forestry Research Institute of Ghana	Challenges and prospects of forest health monitoring in smallholder community plantations in Ghana	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
Ghana	Paul P.	Bosu	Forestry Research Institute of Ghana	Effects of overstory species diversity and composition on pest damage to high value species and understory ant diversity in Ghana	219 How does biodiversity help to manage high-value timber species, and vice-versa?	Forest Biodiversity and Ecosystem Services
Ghana	Paul P.	Bosu	Forestry Research Institute of Ghana	Paper mulberry invasion in Ghana	(Forest Health in a Changing World)	Forest Health in a Changing World
Ghana	Joe	Cobbinah	Forestry Research Institute of Ghana	Forest cover loss in humid West Africa: a case for commercial plantations driven by business	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future
Ghana	Lawrence	Damnyag	Forestry Research Institute of Ghana	Curbing illegal logging in Ghana: the role of incentives to decentralized forest-fringe community institutions in the VPA world	241 Forest governance and legality of timber: Challenges of legality in practice	Forests and Forest Products for a Greener Future
Ghana	Emmanuel	Danquah	Kwame Nkrumah University of Science and Technology	Integrating local communities to safeguard livelihoods and resolve conflicts in the Kakum Conservation Area, Ghana	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People
Ghana	Emmanuel	Danquah	Kwame Nkrumah University of Science and Technology	Exploring opportunities for participatory wildlife management at the Bia Biosphere Reserve in western Ghana	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People
Ghana	Beatrice	Darko Obiri	Forestry Research Institute of Ghana	The economic consumptive value of forests: evidence from the Wet and Dry Forest Zones of Ghana	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
Ghana	Beatrice	Darko Obiri	Forestry Research Institute of Ghana	Financial Analysis of Charcoal Production Methods in Ghana	(Forest Biomass and Bioenergy)	Forest Biomass and Bioenergy
Ghana	Gessesse	Dessie	United Nations University Institute for Natural Resources in Africa	Rethinking Higher Education in Forestry and Natural Resources in Ethiopia in Line with Education for Sustainable Development	131 Forestry education serving science and practice	Forests for People
Ghana	Gloria	Djaney Djagbletey	Forestry Research Institute of Ghana	Carbon Stock Recovery of a Natural Forest after Selective Logging: Contributions by Ecological Guilds	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services

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Ghana	William Kwadwo	Dumenu	CSIR-Forestry Research Institute of Ghana	What are we missing? Economic value of an urban forest in Ghana	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
Ghana	William Kwadwo	Dumenu	CSIR-Forestry Research Institute of Ghana	Rethinking Governance Arrangement for Sustainable Management of Timber Trees in Areas Outside Forest Reserves in Ghana	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
Ghana	William Kwadwo	Dumenu	CSIR-Forestry Research Institute of Ghana	Diversity, Utilization, Trade and Seasonality of Forest Ecosystem Services: Implications for Management and Livelihood	139 The future of ecosystem services from forests	Forest Biodiversity and Ecosystem Services
Ghana	William Kwadwo	Dumenu	CSIR-Forestry Research Institute of Ghana	Climate Change and Forest Dependent Communities in Ghana: Impacts, Adaptations and Social Vulnerabilities	107 Forest management for adaptation to climate change	Forests and Climate Change
Ghana	Emmanuel	Ebanyenle	CSIR - Forestry Research Institute of Ghana, UPO 63, KNUST, Kumasi_Ghana	Effects of elevated atmospheric CO2 and / or O3 on wood density of paper birch and trembling aspen	(Forests and Climate Change)	Forests and Climate Change
Ghana	Charles	Essien	CSIR- Forestry Research Institute of Ghana	Promotion and Utilization of Lesser Used Timber Species in Ghana: Determination of some physical properties Cola gigantea and Ficus sur	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Ghana	Charles	Essien	CSIR- Forestry Research Institute of Ghana	Promoting timber supply from sustainable source in Ghana: Durability issues of plantation grown Khaya ivorensis	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future
Ghana	Charles	Essien	CSIR- Forestry Research Institute of Ghana	Potentials of bamboo for landscape restoration programs in Ghana: A case of moist semi-deciduous forest zone	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
Ghana	Ernest	Foli	Forestry Research Institute of Ghana	Developing strategies for REDDES activities in selected pilot areas in Cameroon, Ghana and Nigeria	92 Gender, participation and climate change	Forests and Climate Change
Ghana	James Kudjo	Govina	CSIR-Forestry Research Institute of Ghana	Variation in fibre dimensions and basic density of plantation grown African mahogany from three forest ecological zones of Ghana	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Ghana	WINNIE EFUA ESHUN	KOFIE	FORESTRY RESEARCH INSTITUTE OF GHANA	WILLINGNESS OF LOCAL COMMUNITIES TO PARTICIPATE IN REDD+ ACTIVITIES: A Case Study in Communities in Forest and Forest Savannah Transition Zones in Ghana.	(Forests for People)	Forests for People
Ghana	Florence S.	Kuukyi	Presbyterian University College-Ghana	PUBLIC PERCEPTION ON TRANSMISSION OF ZOO NOTIC DISEASES THROUGH BUSHMEAT CONSUMPTION	169 Forests and human health: The role of research towards evidence-based practice	Forests for People
Ghana	Eric Awuah	Kyei	KNUST-Kumasi, Ghana	Fuelwood Consumption and Tree Planting Activities in Selected Communities within Two Districts of Ghana	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Ghana	Eric Awuah	Kyei	KNUST-Kumasi, Ghana	CLIMATE CHANGE AND ADAPTATION STRATEGIES: RURAL HOUSEHOLD RESPONSES TO FUELWOOD SCARCITY IN SELECTED COMMUNITIES WITHIN TWO AGRO-ECOLOGICAL ZONES OF GHANA	252 Forest-dependent community development	Forests for People
Ghana	Isaac	Nunoo	Kwame Nkrumah University of Science and Technology	Who Gets What: Analysis of Wood fuel Value Chain in Ghana	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Ghana	Isaac	Nunoo	Kwame Nkrumah University of Science and Technology	Sustaining Ghana's Forest Cover: Evidence Cocoa Agroforestry System	200 On farm trees: towards the promotion and development of a traditional or local silviculture in tropical and subtropical forest regions	Forests for People

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Ghana	Elizabeth Asantewaa	Obeng	Forestry Research Institute of Ghana	Direct and Functional Economic Value Marginal Effects of Tropical Forest Conversion to Cacao Agroforestry Systems	139 The future of ecosystem services from forests	Forest Biodiversity and Ecosystem Services
Ghana	Kwame Antwi	Oduro	Forestry Research Institute of Ghana	Analyses of potential livelihood outcomes, farming practices and conflicts in natural resource use under a REDD+ implementation in Ghana	46 Understanding the relationships among biodiversity, carbon, and people for REDD+ forests: The importance of environmental and social safeguards	Forests and Climate Change
Ghana	Kwame Antwi	Oduro	Forestry Research Institute of Ghana	Distribution of potential REDD+ benefits from agricultural lands in forests and forest-savanna transition zones of Ghana	46 Understanding the relationships among biodiversity, carbon, and people for REDD+ forests: The importance of environmental and social safeguards	Forests and Climate Change
Ghana	Kwame Antwi	Oduro	Forestry Research Institute of Ghana	Exploring the future of timber resources in the high forest zone of Ghana	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
Ghana	Esther Mensah	Opoku	CSIR-Forestry Research Institute of Ghana	Sustainable regeneration of African mahogany: The effects of potting mixtures on vegetative propagation of <i>Khaya ivorensis</i> and <i>Khaya grandifoliola</i>	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Ghana	Esther Mensah	Opoku	Council for Scientific and Industrial Research- Forestry Research Institute of Ghana.	Sustainable regeneration of African mahogany: The effects of potting mixtures on vegetative propagation of <i>Khaya ivorensis</i> and <i>Khaya grandifoliola</i>	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
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Ghana	Emmanuel	Opuni Frimpong	Forestry Research Institute of Ghana	Restoration of degraded lands with mahogany in mixed-species plantations promotes biodiversity and conservation of valuable timber species	219 How does biodiversity help to manage high-value timber species, and vice-versa?	Forest Biodiversity and Ecosystem Services
Ghana	Emmanuel	Opuni Frimpong	Forestry Research Institute of Ghana	Growth and Productivity of <i>Khaya grandifoliola</i> in the dry semi-deciduous forest of Ghana; a comparison in pure and in diverse species stands	219 How does biodiversity help to manage high-value timber species, and vice-versa?	Forest Biodiversity and Ecosystem Services
Ghana	Emmanuel	Opuni Frimpong	Forestry Research Institute of Ghana	Impact of Biochar on potting media for the rooting of <i>Khaya ivorensis</i> and <i>Khaya grandifoliola</i> leafy stem cuttings	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Ghana	Nana Y	Opuni-Frimpong	CSIR-Forestry Research Institute of Ghana, Kumasi	EFFECTS OF URBANIZATION OF GHANA ON URBAN FORESTS AND PERI-URBAN COMMUNITY LIVLIHOODS	88 Resilience and Identity with urban forests: A landscape system approach	Forests for People
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Ghana	Stephen	Tekpetey	Forestry Research Institute of Ghana	Bamboo resources for greener future: Assessment of species characteristics for furniture manufacturing and green building in Ghana	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
Ghana	Stephen	Tekpetey	Forestry Research Institute of Ghana	The Technological Properties of Plantation Grown Mahogany in Ghana: Are they inferior to Naturally Grown Ones?	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future

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Ghana	Edward D.	Wiafe	Department of Environmental and Natural Resources Management, Presbyterian University College, Ghana	The Role of Women in the Management of Forest Resources on Afadjato Mountain Ecosystem in Ghana	90 Gender and forestry value chains	Forests and Forest Products for a Greener Future
Ghana	Edward D.	Wiafe	Department of Environmental and Natural Resources Management, Presbyterian University College, Ghana	HARVESTING AND COPPICE MANAGEMENT OF BETA VULGARIS (BAMBOO) IN PROTECTED AND UNPROTECTED AREAS	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
Ghana	Edward D.	Wiafe	Department of Environmental and Natural Resources Management, Presbyterian University College, Ghana	Wildlife Laws monitoring as an Adaptive Management tool in Protected Area Management in Ghana: a case of Kakum Conservation Area	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People
Ghana	Edward D.	Wiafe	Department of Environmental and Natural Resources Management, Presbyterian University College, Ghana	Evaluation of the Efficacy of Pepper-Grease Fence to Prevent Elephant Crop Raiding on Farms around Kakum National Park , Ghana	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People
Greece	Yannis	Raftoyannis	Department of Forestry, Central Greece University of Applied Sciences	Greek fir forests, fire and climate change	110 Managing forest for fire in a changing climate	Forests and Climate Change
Greece	MOSCHOS	VOGIATZIS	NATIONAL CADASTRE AND MAPPING AGENCY S.A.	A FOREST LANDS INFORMATION SYSTEM IN SUPPORT OF SUSTAINABLE MANAGEMENT AND USE OF FORESTS	209 From data to knowledge, geospatial tools and information access	Forests for People
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Guatemala	Andrea	Yat	URL	Identification of a strategy for the financial sustainability of the protected area of the Laguna Lachúa National Park in Guatemala	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People
Guatemala	Rene	Zamora-Cristales	Faculty Research Assistant Oregon State University	Economics of Forest Biomass Processing and Transport from Harvest Residues in Steep Terrain	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Guyana	Anna	Mohase	Guyana Forestry Commission	Impact of Community Forestry Programme to forest dependent communities' development across Guyana	252 Forest-dependent community development	Forests for People
Honduras	Melvin	Cruz	Fundacion MaderaVerde	BARCODE TIMBER-TRACKING: AN INNOVATIVE SYSTEM FOR CHAIN-OF-CUSTODY MANAGEMENT OF MAHOGANY GUITAR PARTS FROM THE HONDURAN RAINFOREST	241 Forest governance and legality of timber: Challenges of legality in practice	Forests and Forest Products for a Greener Future
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Honduras	Juan Carlos	Flores Lopez	CATIE	What is the value of the pine-oak forest to communities living in it?	118 Providing ecosystem services under climate change: Community of practice of forest decision support systems	Forest Biodiversity and Ecosystem Services
Honduras	Daniel	Galeano	IUCN	Benefits of using portable equipment for sawing and cable transport in small-scale harvesting in tropical rainforest of Honduras.	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services

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Honduras	Delmy	Manzanares	CATIE	The effect of illegal forest products in Honduras in the development of productive value chains	241 Forest governance and legality of timber: Challenges of legality in practice	Forests and Forest Products for a Greener Future
Honduras	Mirian	Molina	Fundacion MaderaVerde	THE ATLÁNTIDA PLATFORM: A CIVIL-SOCIETY EFFORT PROMOTING GOOD GOVERNANCE IN THE HONDURAN FORESTRY SECTOR	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
Honduras	Carlos	Vindel	SOCODEVI	EXPERIENCES OF COMMUNITARIAN FOREST HANDLING IN TWELVE FORESTS BROAD LEAF IN THE DEPARTMENT OF ATLANTIDA, HONDURAS	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Hungary	Sandor	Horvath	TRAU-KER Ltd.	Dendromass-based Decentralized Energy Production in Hungary - A Pilot Project of TRAU-KER Ltd.	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Hungary	Géza	Király	University of West Hungary, Faculty of Forestry, Dept. of Surveying and Remote Sensing	Comparative assessment of riparian forests based on remote sensing in a Hungarian-Slovakian cross-border area	49 Using multi-source remotely sensed data and nearest neighbor techniques to improve inference for natural resource applications.	Forests and Climate Change
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Hungary	Ferenc	Lakatos	University of West-Hungary	The use of EDDMapS to monitor the range extension of two invasive insect species in Hungary	172 Research on pathway risk management and phytosanitary policy to prevent invasions of forest insects and pathogens	Forest Health in a Changing World
India	KISHAN	AKULA	Indian Forest Service	Forest Management by People – Analysis of the Project in the State of Andhra Pradesh, India	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
India	KISHAN	AKULA	Indian Forest Service	Conserving Forests and Biodiversity and Conflicting Legislations	42 Innovative forest and environmental legislation for better diversity	Forests for People
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India	MEENA	BAKSHI	FOREST RESEARCH INSTITUTE, DEHRADUN, INDIA	Enhancement of socio-economic status of rurals in Uttarakhand through capacity building and sustainable production of Ringal (<i>Arundinaria</i> sps.)	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
India	Chandra	bala	School of Environmental Sciences, Jawaharlal Nehru University	Seasonal variations in plant water relations of Lantana and co-occurring shrubs in semi-arid region	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
India	B Karpaga Raja Sundari	Balachandran	Institute of Forest Genetics and Tree Breeding (ICFRE), Coimbatore, Tamil Nadu	Spatial expression analysis of developing xylem specific cellulose synthase gene from <i>Eucalyptus tereticornis</i> and its molecular characterization	160 Genomics and biotechnology for improvement of woody energy crops	Forest Biomass and Bioenergy

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India	Divakara	Baragur	Indian Council of Forestry Research and Education	Assessing Variability and Divergence of <i>Jatropha curcas</i> Linn. Germplasm under Ex-situ Conditions	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
India	Surajit	Baruah	Freelance Consultant, Environment & Biodiversity, South Sarania, Guwahati-781007, Assam, India	Urban deforestation afflicts resilience of Guwahati city to climate change and other disasters – A case study in the Eastern Himalayan region	107 Forest management for adaptation to climate change	Forests and Climate Change
India	Venkatesh	Basappa	Scientist, National Institute of Hydrology	IMPACT OF LAND USE CHANGE ON RUNOFF AND SOIL MOISTURE - A CASE STUDY FROM WESTERN GHATS REGIONS OF INDIA	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions
India	Jyotish Prakash	Basu	West Bengal State University, Barasat, Kolkata	Adaptation to climate change & Non-Timber Forest Products A Study of Forest Dependent Communities in Drought prone areas of West Bengal, India	107 Forest management for adaptation to climate change	Forests and Climate Change
India	Jyotish Prakash	Basu	West Bengal State University, Barasat, Kolkata	REDD plus and Livelihood Security of Forest dependent people An Empirical Study in the Drought Prone Regions of West Bengal, India	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
India	Jyotish Prakash	Basu	West Bengal State University, Barasat, Kolkata	Agroforestry and Climate Change An Empirical Study in Drought and Mountain regions of West Bengal, India	(Forests and Climate Change)	Forests and Climate Change
India	Dhanya	Bhaskar	University of Agricultural Sciences, Raichur, Karnataka, India	Ecosystem services of native trees: Experiences from two traditional agroforestry systems in Karnataka, Southern India	48 Forest ecosystem services contributing to agriculture	Forest Biodiversity and Ecosystem Services
India	Pratibha	Bhatnagar	State Forest Research Institute, Polipathar, Jabalpur, M.P.	BOSWELLIA SERRATA GUM OLEO RESIN AND ITS CONTRIBUTION TO RURAL ECONOMY OF SHEOPUR DISTRICT OF CENTRAL INDIA	200 On farm trees: towards the promotion and development of a traditional or local silviculture in tropical and subtropical forest regions	Forests for People
India	Pratibha	Bhatnagar	State Forest Research Institute, Polipathar, Jabalpur, M.P.	TRADITIONAL SILVICULTURE THROUGH BUTEA MONOSPERMA: A MULTIPURPOSE TREE SPECIES IN BALAGHAT, INDIA	200 On farm trees: towards the promotion and development of a traditional or local silviculture in tropical and subtropical forest regions	Forests for People
India	Padam	Bhojvaid	Forest Research Institute	TRANSITION TO SUSTAINABLE FOREST MANAGEMENT AND REHABILITATION IN INDIA	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
India	Padam	Bhojvaid	Forest Research Institute	Role of crop diversification through Agroforestry in Asian Economies	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
India	Narendra	Bisht	Indian Council of Forestry research and Education, Dehradun, India	Economic valuation of the role of forests in providing water supply to the people of Aizawl town, Mizoram, India	52 Ecosystem services provided by planted forests	Forest Biodiversity and Ecosystem Services
India	Purabi	Bose	International Center for Tropical Agriculture	Forest tenure, collective rights and gender dimensions in India, Uganda and Bolivia	91 Impact of tenure arrangements on forests, livelihoods and gender dynamics	Forests for People
India	SWATI	CHALIHA	FOUNDATION FOR ECOLOGICAL SECURITY	Mapping boundaries of Community Conserved Areas: Institutional and operational challenges	(Forests for People)	Forests for People
India	Kirti	Chamling Rai	ICFRE	Genetic variation within and among populations of <i>Cedrus deodara</i> detected by RAPD markers	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services

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India	Sowmya	Chandramouli	Ph.D. Research Scholar, Institute of Wood Science & technology, Bangalore, India	Edible bamboo shoot utilization– Problems and Prospects in India	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
India	Suvarna	Chandrappagari	Government of Andhra Pradesh	Gender balancing in forestry administration: An analysis of Pros and Cons from India	(Forests for People)	Forests for People
India	Debjyoti	Chatterjee	Institute of Wood Science & Technology, Malleswaram P.O., Bangalore 560 003, India	Pollination entomology of <i>Avecinnia officinalis</i> L.- a major mangrove plant in Karnataka coast, India	255. Ecology and management of coastal forests and mangroves	Forest and Water Interactions
India	priti	chauhan	ICFRE	Genetic Diversity and Structure of Natural Populations of <i>Pinus roxburghii</i> Sarg. in Himalayan Region Through Nuclear SSR Markers	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
India	sanjeev	chauhan	Punjab Agricultural University	Biomass partitioning and fuel characterization of short rotation tree species	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
India	MOHANAN	CHORAN	KERALA FOREST RESEARCH INSTITUTE	Rust Fungi Causing Diseases in Production and Protection Forests in the Western Ghats, Kerala, India: Diversity and Taxonomy	102 Emerging invasive forest pathogens	Forest Health in a Changing World
India	MOHANAN	CHORAN	KERALA FOREST RESEARCH INSTITUTE	Health Management in Production Forests in India: Current Status and Future Challenges	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
India	MOHANAN	CHORAN	KERALA FOREST RESEARCH INSTITUTE	Macrofungi in different Forest Ecosystems of the Western Ghats, India: Diversity and Taxonomy	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
India	Modhumita	Dasgupta	Institute of Forest Genetics and Tree Breeding	Bioprospecting for novel genes through characterization of leaf transcriptome of <i>Withania somnifera</i> , a valued medicinal plant	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
India	Modhumita	Dasgupta	Institute of Forest Genetics and Tree Breeding	Target enrichment and Exome sequencing for marker discovery in <i>Eucalypt</i> species	160 Genomics and biotechnology for improvement of woody energy crops	Forest Biomass and Bioenergy
India	Shivani	Dobhal	ICFRE	G xE interactions for analyzing stability and adaptability for different clones of <i>Eucalyptus tereticornis</i> Sm.	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
India	Shivani	Dobhal	ICFRE	Screening of plus trees based on wood parameters in <i>Eucalyptus tereticornis</i> Sm.	(Forest Biomass and Bioenergy)	Forest Biomass and Bioenergy
India	Indu	Dwivedi	Forest Research Institute	Molecular marker based assessment of selected plus trees of <i>Pongamia pinnata</i>	160 Genomics and biotechnology for improvement of woody energy crops	Forest Biomass and Bioenergy
India	Sunil	Ghosh	UBKV (Agri. University)	Incidence of aphid (<i>Aphis craccivora</i> Koch.) infesting som plant leaves (<i>Machilus bombycina</i> King) and their control by using bio-pesticides	(Forest Health in a Changing World)	Forest Health in a Changing World
India	Harish	Ginwal	Forest Research Institute, Dehradun, India	Genetic diversity and population structure of Himalayan Cedar (<i>Cedrus deodara</i>) in Western Himalayas determined with cpSSR markers	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services

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India	Harish	Ginwal	Forest Research Institute, Dehradun, India	Aspects and prospects of Eucalyptus improvement in India	160 Genomics and biotechnology for improvement of woody energy crops	Forest Biomass and Bioenergy
India	Praveen Kumar	Gupta	Forest Research Institute, Dehradun 248006, India	PECTIN POLYSACCHARIDES BASED SUSTAINABLE LIVELIHOOD FROM FRUITS IN TROPICAL FORESTS	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
India	SANGEETA	GUPTA	FOREST RESEARCH INSTITUTE	WOOD CULTURE DURING INDUS VALLEY CIVILIZATION IN ERSTWHILE INDIA	5 Wood and forest culture: merging the past with the present	Forests for People
India	SANGEETA	GUPTA	FOREST RESEARCH INSTITUTE	INDIAN WOODS: CURRENT STATUS AND FUTURE SUSTAINABILITY	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
India	sudhanshu	gupta	Indian Forest Service	EMPOWERING LIVELIHOODS THROUGH BIODIVERSITY CERTIFICATION IN INDIA	162 Greening society and non-wood forest product commercialisation: assessing the environmental, economic and social trade-offs	Forests and Forest Products for a Greener Future
India	Mohammed	Haque	NABARD Consultancy services	Promoting tree based farming by National Bank for Agriculture and Rural Development (NABARD) for improving livelihood security of tribal families	252 Forest-dependent community development	Forests for People
India	Mohammed	Haque	NABARD Consultancy services	Analysis of Afforestation data in watersheds developed by NABARD (National Bank for Agriculture and Rural Development) with community participation	(Forests for People)	Forests for People
India	Nirmal	Harsh	Forest Research Institute, Indian Council of Forestry Research & Education, Dehradun, India	Conservation of Trees at Ta-Prohm Temple, Cambodia - A World Heritage Site	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People
India	Shivanna	Honnurappa	University of Agricultural Sciences, Dharwad, Karnataka-India	“Shelterbelts system of Agroforestry” – Improves Microclimate, Crop Yields, Carbon Sequestration, mitigate Climate Change in dry land ecosystem of peninsular India	71 Climate Change: A driver for land-use change and adaptive forest management on six continents	Forests and Climate Change
India	Shivanna	Honnurappa	University of Agricultural Sciences, Dharwad, Karnataka-India	PROVENANCE STUDY OF Cassia fistula L. FOR POD, SEED AND SEEDLING TRAITS.	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
India	Bhagwati	Joshi	Government Post Graduate College, Rudrapur, Uttarakhand, India	Participatory Forest Management in Himalaya: Change Through Women’s Education and Capacity Building	91 Impact of tenure arrangements on forests, livelihoods and gender dynamics	Forests for People
India	Palanisamy	Kandasamy	Institute of Forest Genetics and Tree Breeding,(ICFRE)	Enhancement of Productivity in Bioenergy and Timber species in Forest Plantations	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
India	Medha	Kant	University of Delhi	Can the traditional knowledge be prevented from being TRIPPed?	190 Value of traditional knowledge for sustainable forest management	Forests for People
India	Promode	Kant	Institute of Green Economy, Noida, India	Too Safe to Survive: Going Overboard on Free and Prior Informed Consent	46 Understanding the relationships among biodiversity, carbon, and people for REDD+ forests: The importance of environmental and social safeguards	Forests and Climate Change
India	Promode	Kant	Institute of Green Economy, Noida, India	Why bank on ban on felling for managing mountain forests sustainably?	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services

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India	Giridhar	Kinhal	Indian Institute of Forest Management	Value Chain Analysis and Common Facility Centers (CFCs) for NTFPs as tools for Community Empowerment and Livelihoods Generation	162 Greening society and non-wood forest product commercialisation: assessing the environmental, economic and social trade-offs	Forests and Forest Products for a Greener Future
India	Ravinder	Kohli	DAV University, Jalandhar, India	Tree census and diversity issues of Urban Forest of Chandigarh India – an update	145 Urban forest diversity and ecosystem services	Forest Biodiversity and Ecosystem Services
India	ashok	kumar	indian council of forestry research and education	Genetic evaluation to test stability and growth performance in Gmelina arborea Roxb.	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
India	ashok	kumar	indian council of forestry research and education	Advancement in seedling seed orchard through within-plot selection for production of quality seeds in Dalbergia sissoo Roxb.	(Forest Biomass and Bioenergy)	Forest Biomass and Bioenergy
India	Gulshan	Kumar	Department of Forests	Responding to Global drivers of Change for Sustainable Forest management, Bio-diversity conservation and Livelihood security	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
India	Raj	Kumar	ICAR	Regeneration complexities of Pinus gerardiana in dry temperate forests of Indian Himalaya	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services
India	sandeep	kumar	Forest Department	Efficient rescue and rehabilitation for wildlife, mitigation of human-wildlife conflict in coordination with local peoples of Gujarat in India	174 Participatory protected area management at the human needs and sustainable wildlife conservation interface	Forests for People
India	Ajay Kumar	Mahapatra	Regional Plant Resource Center	Managing forests for species survival: An ecological assessment of rattan and it's utilization (Calamus spp.) in semi evergreen forests of Orissa state, India	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
India	Ajay Kumar	Mahapatra	Regional Plant Resource Center	Displacement, deprivation and development: Impact of conservation related relocation on livelihood of tribals in Similipal Tiger and Biosphere Reserve, India.	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
India	Aniruddha	Majumder	Global Tiger Forum	Long term population monitoring of tiger (Panthera tigris) in a tropical deciduous forest of central India	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
India	Kshitij	Malhotra	Project Assistant/ICFRE	MULTIPLICATION OF ELAEOCARPUS GANITRUS ROXB. THROUGH ROOTER STRAND BY AIR LAYERING: A WATER EFFICIENT METHOD OF TREE PROPAGATION	(Forest and Water Interactions)	Forest and Water Interactions
India	Sujatha	Mangalappilly Parameswaran	Kerala Forest Research Institute	SOIL CARBON STORAGE POTENTIAL OF VARIOUS FOREST ECOSYSTEMS IN THE SOUTHERN WESTERN GHATS, INDIA	(Forests and Climate Change)	Forests and Climate Change
India	Prakash	Masabathula	NFDB	Effect Of Exotic Forest Plantations And Their Harvesting On Aquatic Biodiversity And Livelihood Sustainability Of Forest Dependent Communities	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
India	Annamalai	Mayavel	Institute of Forest Genetics and Tree Breeding	CONSERVATION OF RED TAMARIND- A POTENTIAL BIO COLORANT FOR FOOD PROCESSING INDUSTRIES,A.Mayavel.B.Gurudev sikh and B.Nagarajan	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services

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India	Swapan	Mehra	Iora Ecological Solutions	Implementing REDD+ in community managed forests: Lessons from India	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
India	Shama Jabeen	Mir	Forest Research Institute	Growing stock and soil vegetation interrelationship under Shisham (Dalbergia sissoo) and Eucalyptus (Mysore gum) plantations in north India	(Forests and Climate Change)	Forests and Climate Change
India	Harish Chandra	Mishra	ANDHRA PRADESH FOREST DEPARTMENT,INDIA	ASSESSMENT OF TREE OUTSIDE FORESTS IN ANDHRA PRADESH, INDIA USING CARTOSAT-1 DATA	117 Remote sensing in carbon balance evaluation and monitoring	Forests and Climate Change
India	Harish Chandra	Mishra	ANDHRA PRADESH FOREST DEPARTMENT,INDIA	NEAR REALTIME ANNUAL VEGETATION MONITORING IN ANDHRA PRADESH, INDIA USING LISS III DATA	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
India	Chandra Mohan Reddy	Narala	Greater Hyderabad Municipal Corporation	Restoration of degraded ecosystems in urban context through ex-situ and in-situ conservation measures and proper silvicultural practices	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
India	Remadevi	O.K.	Institute of wood science and technology,18th cross, Malleswaram P.O., Bangalore 560 003, Karnataka, India	Insect plant relationships and the role of insects in mangrove conservation	255. Ecology and management of coastal forests and mangroves	Forest and Water Interactions
India	Remadevi	O.K.	Institute of wood science and technology,18th cross, Malleswaram P.O., Bangalore 560 003, Karnataka, India	Insect frugivores and their impact on the regeneration of mangrove species in West Coast of India	(Forest Health in a Changing World)	Forest Health in a Changing World
India	Remadevi	O.K.	Institute of wood science and technology,18th cross, Malleswaram P.O., Bangalore 560 003, Karnataka, India	Phophine fumigation for protection of wood from powderpost beetle damage in Indian conditions	159 Emerging green and sustainable alternatives to classical wood preservative to protect forest products	Forests and Forest Products for a Greener Future
India	Thulasidas	P.K	Kerala Forest Research Institute, Peechi	Ring-width variability and growth rate of natural teak provenances from India	Dendrochronology: detecting and modelling climate change and fire impacts	Forests and Climate Change
India	ISHTIYAK AHMAD	PEERZADA	FACULTY OF FORESTRY, SHERE KASHMIR UNIVERSITY OF AGRICULTURE SCIENCES & TECHNOLOGY, KASHMIR (J&K) INDIA	Contribution of NTFPs in Livelihood and Carbon Management in Moist Temperate Forests of Kashmir Valley, India	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
India	Papori	Phukan Borpuzari	Rain Forest Research Institute	Plumbago rosea Linn: a rare anticancerous plant induction from non embryogenic tissue through somatic embryogenesis	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
India	Bala	Prasad	Department of AYUSH, Govt.of India	Medicinal Plants Based Managemnt for Sustainability of Asian Forests	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
India	Nuzhat	Qazi	Forest Research Institute	FOREST INFLUENCE ON RAINFALL-RUNOFF RELATIONSHIP FROM PAIRED MICRO-WATERSHEDS OF GARHWAL HIMALAYAS, INDIA	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions

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India	SUNDARARAJ	RAMACHANDRAN	Institute of Wood Science and Technology	INDIAN SANDALWOOD (SANTALUM ALBUM LINN.), AN IMPORTANT BIO-RESOURCE OF INDIA AND ITS SCOPE IN GREENING INDIA	Forestry for desired wood quality and products from underutilized forest species	Forests and Forest Products for a Greener Future
India	SUNDARARAJ	RAMACHANDRAN	Institute of Wood Science and Technology	INSECT PEST PROBLEMS OF INDIAN SANDALWOOD (SANTALUM ALBUM LINN.) IN THE CURRENT SCENARIO OF ITS CULTIVATION AND THE POSSIBLE MANAGEMENT PRACTICES	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
India	SUNDARARAJ	RAMACHANDRAN	Institute of Wood Science and Technology	RECORD OF TWO NEW INSECT PESTS ON INDIAN ROSEWOOD DALBERGIA LATIFOLIA ROXB	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
India	SUNDARARAJ	RAMACHANDRAN	Institute of Wood Science and Technology	STATUS OF THE INVASIVE SPIRALLING WHITEFLY ALEURODICUS DISPERSUS RUSSELL (HEMIPTERA: ALEYRODIDAE) IN INDIA ALONG WITH NEW HOST RECORDS	(Forest Health in a Changing World)	Forest Health in a Changing World
India	Yasodha	Ramasamy	Institute of Forest Genetics and Tree Breeding	Field performance of bamboo propagules produced through micropropagation	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
India	Yasodha	Ramasamy	Institute of Forest Genetics and Tree Breeding	Research strategies for genecological zonation of teak in India	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
India	Yasodha	Ramasamy	Institute of Forest Genetics and Tree Breeding	Genetic linkage map development in eucalypts for abiotic stress tolerance	160 Genomics and biotechnology for improvement of woody energy crops	Forest Biomass and Bioenergy
India	VIKAS	RANA	FOREST RESEARCH INSTITUTE, DEHRADUN, INDIA	LEAF PROTEIN CONCENTRATE FROM THREE FOREST SPECIES OF NORTH EAST REGION OF INDIA	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
India	Disha	Rautela	Forest Research institute, Dehradun	Analysis of genetic diversity in threatened populations of the two endemic Berberis species across the altitudinal zone in Uttarakhand	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
India	Disha	Rautela	Forest Research institute, Dehradun	Comparative analysis and optimization of different DNA extraction protocols in Berberis species	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
India	Anita	Rawat	ICFRE	An association mapping approach using ISSRs and AFLPs to identify molecular markers for resin yield in Pinus roxburghii Sarg.	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
India	Anita	Rawat	ICFRE	Genetic evaluation of Pinus roxburghii genotypes varying in resin yield using microsatellite markers	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
India	Mohan	Reddy	Iora Ecological Solutions	Comparative analysis of different ANR treatments on the local biodiversity	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services

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India	Muthyala	Reddy	Institute of Forest Biodiversity, Hyderabad (India)	Economics of Pongamia pinnata (L.) Pierre in rural Andhra Pradesh (India)	(Forests for People)	Forests for People
India	Parul	Rishi	IIFM, Bhopal	MEETING THE ECOTOURISM CHALLENGE THROUGH ORGANIZATIONAL RESTRUCTURING : A CASE OF ECO DEVELOPMENT BOARD OF INDIA	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People
India	Chandrakant	Salunkhe	Post Graduate Center of Botany, Krishna Mahavidyalaya	Valuable Underutilized Endemic Trees of Northern Western Ghats, India for Sustainable Economic Development and Healthy Ecosystem Services	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
India	Chandrakant	Salunkhe	Post Graduate Center of Botany, Krishna Mahavidyalaya	Sacred Groves in Northern Western Ghats, India : A Rich Repository of Forest Resources for Local Livelihood	190 Value of traditional knowledge for sustainable forest management	Forests for People
India	Papia	Samajdar	Centre for Science and Environment(CSE)	Forest Rights Act - An Ideal tool for forest governance?	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
India	Gurupada	Saren	Indira Gandhi National Open University	Strengthening Community Participation in social forestry: A case of Santal tribe in India	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
India	Sandeep	Sehgal	Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, India	Traditional agroforestry practices and farmers perceptions about trees on farm in Shivalik foothills	200 On farm trees: towards the promotion and development of a traditional or local silviculture in tropical and subtropical forest regions	Forests for People
India	Rashmi	Shanbhag	Institute of Wood Science and Technology	TEMPERTE WOODS IN TROPICAL CLIMATE - HOW SUSTAINABLE	159 Emerging green and sustainable alternatives to classical wood preservative to protect forest products	Forests and Forest Products for a Greener Future
India	Arvind	sharma	SGRRITS, Dehradun India	Effect of growth hormone on In- Vitro propagation of threatened medicinal species Bacopa monnieri L.	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
India	Rajni	Sharma	Department of Forestry and natural Resources, PAU Ludhiana 141004	Profitability of on-farm adoption of short rotation forestry - A case study	200 On farm trees: towards the promotion and development of a traditional or local silviculture in tropical and subtropical forest regions	Forests for People
India	Rajni	Sharma	Department of Forestry and natural Resources, PAU Ludhiana 141004	SALIX PLANTATIONS - A WAY FORWARD FOR PHYTOREMEDIATION AND BIOENERGY	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
India	SANJAY	SHARMA	SCHOOL OF ENERGY & ENVIRONMENTAL STUDIES [DEVI AHILYA UNIVERSITY], INDORE, MADHYA PRADESH	Assessment of Using Forest to Protect & Provide Clean Water Supply In India	256. Managing forests and forest uses to protect and provide clean water	Forest and Water Interactions
India	Shruti	Sharma	ICFRE	Genetic diversity and breeding strategies for genetic improvement of Melia composita Willd.	160 Genomics and biotechnology for improvement of woody energy crops	Forest Biomass and Bioenergy
India	Shruti	Sharma	ICFRE	Wastelands rehabilitation by growing genetically improved Melia composita Willd.	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy

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India	Pramod	Shukla	Principal Chief Conservator of Forests Working Plan & Forest Land Records Madhya Pradesh, India.	RESOURCE SURVEY AND BEAT-LEVEL MICRO PLANNING FOR SUSTAINABLE MANAGEMENT OF NON- TIMBER FOREST PRODUCTS IN MADHYA PRADESH (INDIA)	197 Forest resources assessment for non-wood forest products	Forests and Forest Products for a Greener Future
India	Avtar	Singh	Punjab Agricultural University, Ludhiana, Punjab, India	Designing and augmentation of poplar wood supply chain through diversification in northern Indian	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future
India	Madan Prasad	Singh	Forest Research Institute, Dehradun, India	Understanding forest transition in cultural, social and economic framework for India	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
India	Madan Prasad	Singh	Forest Research Institute, Dehradun, India	Adapting Forest Management Planning to climate change in India	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
India	Ombir	Singh	Forest Research Institute, Dehradun, Uttarakhand, India	Allelopathic potential of polypody fern in temperate forests of western Himalayas	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
India	Renu	Singh	Asst Director General, ICFRE	GENDER, PARTICIPATION AND COMMUNITY FORESTRY IN MADHYA PRADESH, INDIA	90 Gender and forestry value chains	Forests and Forest Products for a Greener Future
India	Sushil Kumar	Singla	Ministry of Agriculture, Govt. of India	Rural Indian Women - A Journey Towards Empowerment	90 Gender and forestry value chains	Forests and Forest Products for a Greener Future
India	amulya	sinha	uttarakhand forest service INDIA	VAN PANCHAYATS – COMMUNITY BASED FOREST MANAGEMENT FOR SUSTAINABLE DEVELOPMENT AND LIVELIHOOD ACTIVITIES challenges and achievements	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
India	Vindhya Prasad	Tewari		Forest Observational Studies Network for Growth Modelling and Long-term Ecological Monitoring	170 Long-term forest research on forest ecosystem management	Forest Biodiversity and Ecosystem Services
India	Vindhya Prasad	Tewari		Strategies to improve Degraded Arid Rangelands in Rajasthan, India	163 Desertification, land degradation and drought	Forests and Climate Change
India	Vindhya Prasad	Tewari		Use of Lignocellulosic Biomass as Biofuel: A Key for Sustainable Future	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy
India	Vindhya Prasad	Tewari		Risk Analysis and Forest Scenario Modelling	135 Multiple risk management in planted forests	Forest Health in a Changing World
India	Ajay	Thakur	Forest Research Institute, Dehradun	Geographical variation among provenances of Acacia mangium for merchantable biomass in north-east India	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
India	Manisha	Thapliyal	Forest Research Institute	Assessment of seed quality and mycoflora of Bauhinia retusa in different storage conditions	(Forest Health in a Changing World)	Forest Health in a Changing World
India	Manisha	Thapliyal	Forest Research Institute	Ex situ germination behaviour of stored seeds of medicinal plants from Indian Himalayas	(Forests for People)	Forests for People
India	Sneha	Thapliyal	Indian Institute of Management Bangalore	THE GREAT INDIAN CONSERVATION DEBATE: CONTEXTUALIZING INEQUALITIES	Social sustainability of forest resource use	Forests for People
India	Shaju	Thomas	Nirmala College	Legal and Policy Instruments for Forest and People - a Critical Review of Indian Scenario	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People

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India	Ravishankar	Thupalli	Independent Consultant	Joint Mangrove Management for Conservation and Management Mangroves– a case study on Mangroves from India	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
India	Brajesh	Tiwari	North-Eastern Hill University, Shillong	Biodiversity conservation value of traditionally managed agroforests of south Meghalaya, north-east India	190 Value of traditional knowledge for sustainable forest management	Forests for People
India	Chandrakant	Tiwari	Forest Research Institute, Dehradun, India	Genetic diversity among accessions of <i>Sinarundinaria anceps</i> (Matif.) Chao and Renvoize Wall, ex Munro (<i>Saura Ringal</i>) in the Hill Bamboo Germplasm (Khirsu), India	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
India	Prakash Chandra	Tiwari	Kumaun University, Nainital, India	Institutionalizing State Forests for Restoration of Ecosystem Services and Adaptation to Climate Change in Himalaya	239 Establishing social institutions for co-management of public forest lands	Forests for People
India	Prakash Chandra	Tiwari	Kumaun University, Nainital, India	Land Use Changes and Their Impacts on Forest Ecosystem Services in Himalaya: Need For Comprehensive Land Use Policy	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
India	KUNHAMU	TK	College of Forestry, Kerala Agricultural University	Multipurpose trees based black pepper (<i>Piper nigrum</i> . L) production systems in Kerala, India: Biomass production, carbon sequestration and nutrient fluxes	200 On farm trees: towards the promotion and development of a traditional or local silviculture in tropical and subtropical forest regions	Forests for People
India	Sasidharan	TO	Ashoka Trust for Research in Ecology and the Environment, Royal Enclave, Srirampura, Jakkur P.O., Bengaluru-560064, Karnataka State, India	Field evaluation of <i>Metarhizium anisopliae</i> formulations for management of <i>Ailanthus defoliator</i> , <i>Eligma narcissus</i> Cramer	(Forest Health in a Changing World)	Forest Health in a Changing World
India	Anita	Tomar	Forest Research Institute	RHIZOME MACROPROLIFERATION - A NEW TECHNIQUE OF PROPAGATING HERB AND FERN	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
India	Anita	Tomar	Forest Research Institute	A new approach to Propagate <i>Spondias pinnata</i> without potting media	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
India	Bhagwati	Uniyal	Navdanya	Empowering rural community through natural and social resource management in Garhwal Himalaya, Uttarakhand, India	190 Value of traditional knowledge for sustainable forest management	Forests for People
India	VP	Uniyal	Wildlife Institute of India	Use of bioindicator for protected area management and ecological monitoring in the western Himalayan landscape, Uttarakhand, India	170 Long-term forest research on forest ecosystem management	Forest Biodiversity and Ecosystem Services
India	Bal Krishna	Upadhyay	IIFM, Bhopal	Role of communication and leadership style preferences in performance of JFM committees	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
India	Radhika	Urmalia	Govt. Model Science College. Jabalpur, M.P.	CORRELATION BETWEEN TECTONA GRANDIS L.F. PLANTATION AND ITS GROUND FLORA DIVERSITY	219 How does biodiversity help to manage high-value timber species, and vice-versa?	Forest Biodiversity and Ecosystem Services

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India	Radhika	Urmalia	Govt. Model Science College. Jabalpur, M.P.	EFFECT OF DIFFERENT PLANTING PRACTICES OF TECTONA GRANDIS L.F. ON ITS GROUND FLORA	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services
India	Dharanishanthi	V	Institute of Forest Genetics and Tree Breeding, India	Isolation, Characterization and Expression Profiling of two Homeodomain-Leucine Zipper Transcription Factor Genes in Eucalyptus tereticornis	160 Genomics and biotechnology for improvement of woody energy crops	Forest Biomass and Bioenergy
India	Parveen	Velmi	Forest Research Institute, Dehradun,	Productivity of three generations of Eucalyptus citriodora Hook. x Eucalyptus torelliana F.v. Muell. hybrids at the age of 26 years	160 Genomics and biotechnology for improvement of woody energy crops	Forest Biomass and Bioenergy
India	Dharmendra	Verma	Director, Forest Education Government of India	BUREAUCRACY, FORESTS AND PARTICIPATION: A CASE STUDY OF THE IMPLEMENTATION OF JOINT FOREST MANAGEMENT IN MADHYA PRADESH, INDIA	(Forests for People)	Forests for People
India	Syam	Viswanath	Scientist F, Institute of Wood Science and Technology, 18th cross Malleswaram, Bangalore, India	Harnessing Green energy from Green gold: Case study from Peninsular India	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Indonesia	Rahmawaty		University of Sumatera Utara	Land Suitability Mapping for Eucalyptus grandis and Durio zibethinus as Agroforestry Plants Using Geographic Information System	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future
Indonesia	Rahmawaty		University of Sumatera Utara	MAPPING OF FOREST PLANTS USING GEOGRAPHIC INFORMATION SYSTEM IN SUPPORTING NATURAL RESOURCES CONSERVATION IN TANGKAHAN NORTH SUMATRA INDONESIA	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Indonesia	Rahmawaty		University of Sumatera Utara	BIOMASS POTENTIAL AND CARBON FIXATION IN AGROFORESTRY SYSTEMS IN GUNUNG LEUSER NATIONAL PARK NORTH SUMATRA INDONESIA	(Forests and Climate Change)	Forests and Climate Change
Indonesia	Soeryo	Adiwibowo	Bogor Agricultural University	Under the Shadow of Failure: Restoration Ecosystem in Indonesia	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
Indonesia	Iis	Alviya	Forest Policy and Climate Change Center, Forest Research and Development Agency	Stakeholders' Perception as Support for Forest Landscape Planning in Ciliwung Watershed, Indonesia	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People
Indonesia	DZUL'AFIFAH	ARIFIN	STUDENT	The Role of Forest Education Through Community - Based Forest Management Towards Community Empowerment in Gunung Sari Village, Bogor, West Java	72 The social education of foresters	Forests for People
Indonesia	Enjang	Asri	IFSA/Universitas Gadjah Mada	The Opportunity Cost Estimation of Pines Forest Management to Analyze The Efficiency of REDD+ Carbon Trading Mechanism in Indonesia (Case Study in BKP Purworejo)	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
Indonesia	Liliana	Baskorowati	Forestry Research and Development Agency, Republic of Indonesia	GENETIC VARIATION IN GROWTH AND GALL RUST DISEASE IN TWO SEEDLING SEED ORCHARDS OF Falcataria moluccana IN JAVA, INDONESIA	102 Emerging invasive forest pathogens	Forest Health in a Changing World
Indonesia	Tyas Mutiara	Basuki	Forestry Research Institute for Watershed Management	Estimating biomass using leaf area index from hemispherical photograph in tropical Dipterocarp forests	74 Advances in forest carbon measurements and monitoring for building REDD+ MRV systems	Forests and Climate Change

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Indonesia	Ellyn Kathalina	Damayanti	Faculty of Forestry, Bogor Agricultural University (IPB)	Conservation of Rafflesia zollingeriana: Integrating conservation policy with local livelihood	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People
Indonesia	Ellyn Kathalina	Damayanti	Faculty of Forestry, Bogor Agricultural University (IPB)	Socio-economic and Cultural Aspects of Forest Transition in Kuningan District, West Java, Indonesia	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
Indonesia	Ellyn Kathalina	Damayanti	Center for Environmental Research, Bogor Agricultural University (IPB)	Small-scale and community forestry: Policies behind Planting Trees Movement in Kuningan District, West Java, Indonesia	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Indonesia	Wahyudi	David	Universitas Bakrie	Dietary Pattern of Indigenous People, Local People and Immigrant In the Vicinity of Harapan Rainforest – Indonesia	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
Indonesia	Ade Ayu	Dewayani	Bogor Agricultural University	PROVENANCE TRIAL OF Shorea leprosula Miq. IN PALEMBANG, SOUTH SUMATERA, INDONESIA.	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
Indonesia	LISTYA MUSTIKA	DEWI	FORESTRY RESEARCH AND DEVELOPMENT AGENCY, MINISTRY OF FORESTRY, INDONESIA	Wood Properties of Shorea agamii P.S. Ashton and Its Potential Utilization as an Alternative for Pulp and Paper Raw Material	Forestry for desired wood quality and products from underutilized forest species	Forests and Forest Products for a Greener Future
Indonesia	LISTYA MUSTIKA	DEWI	FORESTRY RESEARCH AND DEVELOPMENT AGENCY, MINISTRY OF FORESTRY, INDONESIA	The Potential Utilization of Shorea almon Foxw. Wood for Furniture	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Indonesia	Sonya	Dewi	ICRAF, World Agroforestry Centre	Identifying policy levers of deforestation and recovery of tree cover from the driver analyses: a case study from Indonesia	193 From understanding drivers to gaining leverage at the tropical forest margins: 20 years of ASB Partnership	Forests and Climate Change
Indonesia	Arya Hadi	Dharmawan	Center for Agricultural and Rural Development Studies - Bogor Agricultural University, Indonesia	Ineffective Policy of Timber Certification in the Smallholding Forest of Rural Java Indonesia	125 Impact of forest certification on sustainable forest management	Forests and Forest Products for a Greener Future
Indonesia	Sonya	Dyah Kusumadewi	Student/Bogor Agricultural University	Indonesia Private Forest Management: Profit Sharing in Tree Farm Business for Ecological Investment and People Welfare	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Indonesia	Meti	Ekayani	Department of Resource Economics & Environment, Bogor Agricultural University	Assymetric communication between media and stakeholders and its influences to the ineffectiveness of forest fire risk management in Indonesia	110 Managing forest for fire in a changing climate	Forests and Climate Change
Indonesia	Meti	Ekayani	Department of Resource Economics & Environment, Bogor Agricultural University	Promoting Co-Benefits of Ecotourism as A Complementary Strategy for Sustainable Gunung Halimun Salak National Park Management	(Forests for People)	Forests for People
Indonesia	Eny	Faridah	Faculty of Forestry, University of Gadjah Mada	The Effect of Compost and Shading Application on Mycorrhizal Density in Pinus merkusii Forest Floor following Topsoil Removal	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services

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Indonesia	Eny	Faridah	Faculty of Forestry, University of Gadjah Mada	GROWTH OF 2.5 YEARS TEAK CLONES IN CRITICAL LAND AREA OF WANAGAMA I, YOGYAKARTA UNDER DIFFERENT ENVIRONMENTAL CONDITIONS	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Indonesia	Laura	Flowrensia	Bogor Agricultural University	CONDITION OF FALCATARIA MOLUCCANA PLANTATION ATTACKED BY STEMBORER LARVAE	206 Ecology and management of invasive wood boring pests in a changing world	Forest Health in a Changing World
Indonesia	Samson	Foli	Centre for International Forestry Research (CIFOR)	Exploring the dynamics between ecosystems, agricultural systems and food security: A systematic review	48 Forest ecosystem services contributing to agriculture	Forest Biodiversity and Ecosystem Services
Indonesia	Abdul	Gafur	AAA Group R&D	Monitoring system of pests and diseases in plantation forests	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
Indonesia	Abdul	Gafur	AAA Group R&D	Screening for root rot disease tolerance in fiber trees	135 Multiple risk management in planted forests	Forest Health in a Changing World
Indonesia	Adi	Gangga	International Forestry Students' Association (IFSA)	The role of Lawu Montane Forests: Lithocarpus sundaicus (Bl.) Rehd. in Ecological and Economical Aspect for Local People	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services
Indonesia	Kurniatun	Hairiah	Brawijaya University	Implications of changing publication formats for public accessibility of developing country forest and agroforestry science	68 How to make forest science available for all? Publishers', editors', and authors' challenges	Forests for People
Indonesia	Rina Laksmi	Hendrati	Center for Forest Biotechnology and Tree Improvement, Yogyakarta	Breeding of Acacia auriculiformis for Wood Energy to Support Short Rotation Forestry	160 Genomics and biotechnology for improvement of woody energy crops	Forest Biomass and Bioenergy
Indonesia	Hety	Herawati	Center for International Forestry Research	Climate change and tropical forest fires: Impacts and adaptation	138 Forests, fire and climate change dynamics	Forests and Climate Change
Indonesia	Tuti	Herawati	Centre for Forestry Research and Development on Forest Productivity, Ministry of Forestry	Policies On Smallholder Timber Trade In Indonesia: Disparity between the Concepts, Practices and Impacts	241 Forest governance and legality of timber: Challenges of legality in practice	Forests and Forest Products for a Greener Future
Indonesia	Yuliati	Indrayani	Faculty of Forestry, Tanjungpura University	Strength of Red Meranti (Shorea leprosula Miq) Three-Layer Particleboard from Natural and Plantation Forest	258. Bio-based composite and engineered products from wood and non-wood forest resources	Forests and Forest Products for a Greener Future
Indonesia	Denny	Irawati	Gadjah Mada University	Bioenergy Properties of Tree Branch from Several Species Planted in Indonesia	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Indonesia	Ahmad	Karsidi	IFSA (International Forestry Students' Association) Faculty of Forestry Universitas Gadjah Mada	The Within Tree Variation of Physical and Mechanical Properties of Balsa (Ochroma pyramidale) Grown in Lumajang East Java	Forestry for desired wood quality and products from underutilized forest species	Forests and Forest Products for a Greener Future
Indonesia	Noviana	Khususiyah	ICRAF Southeast Asian Regional Office	Role of forest in livelihood strategy in the peat land of Central Kalimantan ex-mega rice project area	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
Indonesia	Haruni	Krisnawati	Forestry Research and Development Agency (FORDA)	INCAS: an integrated system to support greenhouse gas emission monitoring and reporting from land sector in Indonesia	74 Advances in forest carbon measurements and monitoring for building REDD+ MRV systems	Forests and Climate Change
Indonesia	Haruni	Krisnawati	Forestry Research and Development Agency (FORDA)	Assessing dryland forest ecosystem services as potential carbon storage in West Rinjani Protection Forest, West Nusa Tenggara, Indonesia	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services

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Indonesia	Sitti	Latifah	University of Mataram	Ensuring Social Safeguards: Forest Use Rights of Local Communities and Participatory Process of Lombok KPH REDD+ feasibility study in Indonesia	46 Understanding the relationships among biodiversity, carbon, and people for REDD+ forests: The importance of environmental and social safeguards	Forests and Climate Change
Indonesia	Soo Min	Lee	CIFOR	The effects of gap difference on physical characteristics of wood pellet during pelletizing process of Japanese larch(Larix kaempferi)	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Indonesia	Beria	Leimona	World Agroforestry Center	Farmers' learning of private and common values of consevation contracts as determinant for performace-based of landscape rehabilitation	193 From understanding drivers to gaining leverage at the tropical forest margins: 20 years of ASB Partnership	Forests and Climate Change
Indonesia	Budi	Leksono	Center for Forest Biotechnology and Tree Improvement, Yogyakarta	Intra and Inter-Island Variations of Biofuel Content and Their Physical-Chemical Properties of Calopyllum inophyllum in Indonesia	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy
Indonesia	Budi	Leksono	Center for Forest Biotechnology and Tree Improvement, Yogyakarta	Coumarins Content of Seed and Crude Oil of Calopyllum Inophyllum From Forest Stands in Indonesia	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
Indonesia	Dorin	Lida	Bogor Agricultural University (IFSA LC-IPB)	Sylvoestate as a Model Landscape, Ecotourism Basic and Integrated Technique for Sustainable Forest Management in North Coast Banda Aceh	Social sustainability of forest resource use	Forests for People
Indonesia	Nining	Liswanti	Center for International Forestry Research	Can local wisdom be used in forest conservation around national park?. The case in Seram Island, Central Mollucas, Indonesia	190 Value of traditional knowledge for sustainable forest management	Forests for People
Indonesia	Nining	Liswanti	Center for International Forestry Research	The use of foresighting tool in land use planning and ecosystem based management: Lessons learned from Maluku Island, Indonesia	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
Indonesia	Betha	Lusiana	Woird Agroforestry Centre (ICRAF)	Scaling of uncertainty in carbon emission estimates and implications for locally appropriate designs to reduce emissions from degradation, deforestation and agroforestation in landscape mosaics	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
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Indonesia	Nina	Mindawati	FORDA	Growth and nutrient dynamic of plantation forest of Eucalyptus hybrid as raw material for pulp industry in Indonesia. by Nina mindawati; Andry indrawan,Irdika mansur,Omo Rusdiana	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Indonesia	Nina	Mindawati	FORDA	Some fast growing species for raw material alternative of forest industries	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Indonesia	naiem	mohammad	Faculty of Forestry UGM Yogyakarta Indonesia	A Success Story of Large Scale Productive Dipterocarp Planting and Ecological Services of Secondary Tropical Rain Forest in Indonesia	52 Ecosystem services provided by planted forests	Forest Biodiversity and Ecosystem Services
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Indonesia	Sonny	Mumbunan	Research Center for Climate Change, University of Indonesia	An assessment of revenue loss from legal timber in Indonesia	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
Indonesia	Sasa Sofyan	Munawar	Center for Innovation, Indonesian Institute of Science (LIPI)	Evaluation the Properties of Gypsum Particleboard made of the Naturally and Plantation Red Meranti Wood	258. Bio-based composite and engineered products from wood and non-wood forest resources	Forests and Forest Products for a Greener Future
Indonesia	Esther	Mwangi	Center for International Forestry Research (CIFOR)	Challenges, opportunities and outcomes of women's participation in forest governance: Lessons from CIFOR's Research	92 Gender, participation and climate change	Forests and Climate Change
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Indonesia	BUDI HADI	NARENDRA	Research and Development Center for Conservation and Rehabilitation, Ministry of Forestry, Indonesia	Restoring the eco-hydrological function of the forest on a small karst island: case study on Nusa Penida Island, Bali (Indonesia)	256. Managing forests and forest uses to protect and provide clean water	Forest and Water Interactions
Indonesia	BUDI HADI	NARENDRA	Research and Development Center for Conservation and Rehabilitation, Ministry of Forestry, Indonesia	Effect of Soil Condition Improvement on Calliandra calothyrsus and Antidesma bunius Growth in Batur Mountain Conservation Area, Bali (Indonesia)	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
Indonesia	BUDI HADI	NARENDRA	Research and Development Center for Conservation and Rehabilitation, Ministry of Forestry, Indonesia	Selection of appropriate legume cover crop in reforestation of former tin mining overburden in Bangka Island, Indonesia	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
Indonesia	BUDI HADI	NARENDRA	Research and Development Center for Conservation and Rehabilitation, Ministry of Forestry, Indonesia	Recovering degraded forest area using agroforestry practice: case study on area of former Mount Batur eruption, Bali (Indonesia)	200 On farm trees: towards the promotion and development of a traditional or local silviculture in tropical and subtropical forest regions	Forests for People
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Indonesia	Fitri	Nurfatriani	Forest Research and Development Agency-Ministry of Forestry	Forest Governance in Indonesia: Its Problems and Improvement Measures	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
Indonesia	Fitri	Nurfatriani	Forest Research and Development Agency-Ministry of Forestry	Stakeholder Analysis of Benefit Distribution Mechanism on REDD (Reducing Emission from Deforestation and Degradation)	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
Indonesia	Dodik Ridho	Nurrochmat	Department of Forest Management, Bogor Agricultural University	Promoting REDD+ through Community Forestry in Lombok Island, Indonesia	16 Reforming forest tenure and governance for mitigating climate change and improving people's livelihoods	Forests for People
Indonesia	Dodik Ridho	Nurrochmat	Department of Forest Management, Bogor Agricultural University	VPA on Forest Law Enforcement Governance and Trade between Republic of Indonesia and European Union: Who gains the benefits?	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
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Indonesia	Pablo	Pacheco	CIFOR	Forest management by smallholders in Western Amazon: Towards more integrated approaches	82 Smallholders and forest landscape transitions: Locally devised development strategies of tropical America	Forests for People
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Indonesia	Lilik Budi	Prasetyo	Faculty of Forestry, Bogor Agricultural University (IPB)	Underlying causes of Forest Transitions in Indonesia	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
Indonesia	Herry	Purnomo	CIFOR and IPB	Gender, Value Added Chains and Certification in Furniture Industry	90 Gender and forestry value chains	Forests and Forest Products for a Greener Future
Indonesia	Herry	Purnomo	CIFOR and IPB	Linking Science and Policy: Changing policy maker behavior through action research in forest value chains	136 The knowledge that counts – analyzing science policy interactions in forest policy	Forests for People
Indonesia	Sri	Rahayu	Universitas Gadjah Mada	GLOBAL CLIMATE CHANGE AND GALL RUST DISEASE EPIDEMIC ON Falcataria moluccana IN INDONESIA AND MALAYSIA	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World

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Indonesia	James M.	Roshetko	World Agroforestry Centre (ICRAF), Southeast Asia Regional Office, Indonesia; Winrock International, Morrilton, AR, USA	Smallholder forestry in Asia – products and services for a greener future	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
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Indonesia	Niken	Sakuntaladewi	Centre for Forestry Research and Development on Climate Change and Policy	Land Tenure and Community-based Adaptation to Climate Risk	92 Gender, participation and climate change	Forests and Climate Change
Indonesia	Messalina	Salampessy	Pattimura university	PRINCIPAL AGENT IN TREE MORTGAGE SYSTEM ON TRADITIONAL AGROFORESTRY MANAGEMENT IN MOLUCCAS INDONESIA	(Forests for People)	Forests for People
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Indonesia	corryanti	sambodo	forestry state owned enterprise (perum perhutani)	POTENTIAL OF NON-TIMBER FOREST PRODUCT IN PERUM PERHUTANI	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Indonesia	Yusuf	Samsudin	Global Garden Consulting	Forest Biodiversity in Climate Change Adaptation; what is the role of IPBES and IPCC?	136 The knowledge that counts – analyzing science policy interactions in forest policy	Forests for People
Indonesia	Bayuni	Shantiko	CIFOR	Can small scale furniture producer comply and benefit from Indonesia timber legality assurance system?	241 Forest governance and legality of timber: Challenges of legality in practice	Forests and Forest Products for a Greener Future
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Indonesia	Binsar Liem	Sihotang	International Forestry Students' Association (IFSA), Universitas Gadjah Mada - Indonesia	LOCAL COMMUNITY INITIATIVE IN PRESERVING THE SUSTAINABILITY OF MANGROVE FOREST ECOSYSTEM AT KALITOKO, MAYALIBIT, RAJA AMPAT, WEST PAPUA - INDONESIA	255. Ecology and management of coastal forests and mangroves	Forest and Water Interactions
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Indonesia	Herwasono	Soedjito	Research Center for Biology - LIPI	Valuing Traditional Knowledge for Conserving Biodiversity in Indonesia	190 Value of traditional knowledge for sustainable forest management	Forests for People
Indonesia	Krisdianto	Sugiyanto	Forestry Research and Development Agency (FORDA)	THE USE OF MICROWAVE TO DRY RATTAN: ITS EFFECT ON THE DRYING COURSE	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
Indonesia	Krisdianto	Sugiyanto	Forestry Research and Development Agency (FORDA)	MECHANICAL PROPERTIES ENHANCEMENT OF PLANTATION FOREST WOOD AS A CORE-LAYER OF LAMINATED BAMBOO	258. Bio-based composite and engineered products from wood and non-wood forest resources	Forests and Forest Products for a Greener Future
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Indonesia	Taulana	Sukandi	Research and Development Center for Forest Conservation and Rehabilitation, Ministry of Forestry	PERCEPTION AND ADAPTATION OF LOCAL PEOPLE TO CLIMATE CHANGE: A CASE STUDY IN MANTANGAI SUB-DISTRICT (INDONESIA)	(Forests for People)	Forests for People
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Indonesia	Hatma	Suryatmojo	Faculty of Forestry, Gadjah Mada University.	Hydrological Investigations of Forest Disturbance and Land Cover Impacts in the Intensive Forest Management System	127 Land Use/Land Cover Change and hydroecology: Consequences at variable spatial scales.	Forest and Water Interactions
Indonesia	Dida	Syamsuwida	Forest Tree Seed Technology Research Centre	Inferences on the Reproductive System of <i>Mindi</i> (<i>Melia azedarach</i> Linn) in Community Forests of West Java-Indonesia	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
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Indonesia	Meine	van Noordwijk	World Agroforestry Centre (ICRAF) Southeast Asia Regional Office	Rainbow water and influence of terrestrial evapotranspiration on downwind rainfall patterns: emerging scientific evidence and complex geopolitics	232 Vegetation zone shifts in response to climate change	Forests and Climate Change
Indonesia	Kristiana Tri	Wahyudiyati	Forestry Research and Development Agency, Ministry of Forestry, Indonesia	The challenges in improving local people's livelihoods: Is CSR still effectively applicable? Lessons from South Kalimantan, Indonesia	168 Communities, forests, forest industries and the Social Licence to Operate	Forests for People
Indonesia	Retno	Widiastuti	Center for Handicraft and Batik	Evaluation of marketing strategies for non-timber forest products: the Agel wicker ware handicraft industry in Kulon Progo District, Yogyakarta Special Region Province, Indonesia.	(Forests and Forest Products for a Sustainable Future)	Forests and Forest Products for a Greener Future
Indonesia	Widiyatno	Widiyatno	Faculty of Forestry, University of Gadjah Mada	The Challenges and Opportunities of Selective Cutting and Strip Planting Silviculture System to Improve Productivity of Secondary Tropical Rain Forest in Indonesia	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services
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Indonesia	Enny	WIDYATI	FORDA-INDONESIA	Contradictive "Dragon Blood" Rattan: Promising People Livelihood, Conversely, Species in the Doorway of Extinction	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
Indonesia	Anthonius	Widyatmoko	Centre for Forest Biotechnology and Tree Improvement	Genetic Diversity of Threatened Tree Species in Indonesia: Strategy for Developing Conservation Programme	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
Indonesia	Anthonius	Widyatmoko	Centre for Forest Biotechnology and Tree Improvement	Genetic diversity and relationship among five Aquilaria species endemic to Indonesia	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
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Indonesia	Ping	Yowargana	President's Delivery Unit for Development Monitoring and Oversight	The potential of REDD+BECCS Nexus for selected provinces in Indonesia	243 Global and regional deployment of Biomass & CCS (BECCS): Reconciling top-down and bottom-up approaches and REDD+BECCS Nexus	Forest Biomass and Bioenergy
Indonesia	Ping	Yowargana	President's Delivery Unit for Development Monitoring and Oversight	Developing an integrated REDD+ policy package to effectively address deforestation in Indonesia	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change

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Indonesia	Ervizal A.M.	Zuhud	Faculty of Forestry, Bogor Agricultural University (IPB)	Triad Stimulus NUR (Nature, Use, Religion) Pro-Conservation for Sustainable Forest Management in Indonesia	28 Ethics and values in relation to forest, wildlife and recreation management	Forests for People
Indonesia	Ervizal A.M.	Zuhud	Faculty of Forestry, Bogor Agricultural University (IPB)	Sovereignty of Indonesian Biodiversity Conservation and Health through Development of "Kampung Konservasi"	169 Forests and human health: The role of research towards evidence-based practice	Forests for People
Iran	Mehrdad	Akbarzadeh	Agronomy Dept., Miyaneh branch Islamic Azad University, Miyaneh, Iran	Comparing the potential of Black Pine essence for use in pharmaceutical industries (Case study: Ardebil and Guilan provinces, North Iran)	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
Iran	Reza	Akhavan	Research Institute of Forests and Rangelands, Tehran, Iran	Effect of Pistachio canopy on the spatial distribution of soil chemical characteristics in the Zagros forests of Iran	48 Forest ecosystem services contributing to agriculture	Forest Biodiversity and Ecosystem Services
Iran	Reza	Akhavan	Research Institute of Forests and Rangelands, Tehran, Iran	Three Experiences of Geostatistics Application for Estimation and Mapping of Forest Stock in the Caspian Region of Northern Iran	(Forests and Climate Change)	Forests and Climate Change
Iran	Fatemeh	Azhdari	MS student, Department of Forestry, Faculty of Natural Resources, University of Tehran, Karaj, Iran	Introduction of Adaptable Tree Species to Arid Climate in Iran (Case Study: Fars Province, darab)	163 Desertification, land degradation and drought	Forests and Climate Change
Iran	Maryam	Bakhshi	Free University Berlin	Greenhouse Gases Accounting for Producing and Utilization of Woody Biomass for Heat Energy Purpose	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Iran	Azade	Deljooei	university of tehran	Evaluating of Accuracy and precision of different GPS positioning models in urban forestry	(Forests for People)	Forests for People
Iran	Sajad	Ghanbari	University of Tehran	The Sustainable Forest Management (SFM) trend in the world and Iran	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
Iran	Mohammad Masood	Ghilichkhani	Tarbiat Modarres Uni	New Legislation Innovating for Natural & Planted Forest in Iran	42 Innovative forest and environmental legislation for better diversity	Forests for People
Iran	Elyas	Hayati	PhD student of Forest Engineering, University of Tehran	The impact of ground based timber harvesting on soil hydrophysical properties: A case study in Hyrcanian Forest	36 Impacts of forest roads on water resources and aquatic habitat	Forest and Water Interactions
Iran	Elyas	Hayati	PhD student of Forest Engineering, University of Tehran	Analysis of factors affecting forest road network planning: A Delphi study	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
Iran	Jalal	Henareh Khalyani	Ph.D. Student/University of Tehran	Integrated management of forest goods and ecosystem services to achieve sustainability in forest management (study of mountainous Zagros forest of Iran)	139 The future of ecosystem services from forests	Forest Biodiversity and Ecosystem Services
Iran	Jalal	Henareh Khalyani	Ph.D. Student/University of Tehran	Economic instruments to enhance multi-functional forest management of Zagros forests in west of Iran	139 The future of ecosystem services from forests	Forest Biodiversity and Ecosystem Services

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Iran	Mostafa	Jafari	Director of Forest Research Division - RIFR and Head of TPS for LFCCs	Forest adaptation to climate change in Iran	107 Forest management for adaptation to climate change	Forests and Climate Change
Iran	Mostafa	Jafari	Director of Forest Research Division - RIFR and Head of TPS for LFCCs	Forest vulnerability to climate change in Iran	75 Adaptive forest management under climate change – networking from local to global scales in the temperate zones	Forests and Climate Change
Iran	Esmaeil	Kouhgardi	Forestry Dept., Bushehr branch Islamic Azad University, Bushehr, Iran	Site conditions of Grey mangrove (<i>Avicennia marina</i>) at Nayband National Marine Park	255. Ecology and management of coastal forests and mangroves	Forest and Water Interactions
Iran	Mohammadreza	Negahdarsaber	research institute of forest and rangeland	Variations of vegetation biodiversity in wild pistachio forest among different altitudinal levels- Case Study	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Iran	Saeed	Rahbari Sisakht	PhD student, Gorgan University of Agricultural sciences & Natural resources	How Tree-fall Gaps Characteristic Approaching to Ecological Forestry? (Case study: A Virgin Hyrcanian Forest, North of Iran)	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
Iran	Azadeh	Salehi	Tarbiat Modares University	Effect of lead stress on biomass production and physiological parameters of two poplar species in symbiosis with arbuscular mycorrhizal fungi	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Iran	Maryam	Salehi	University of Tehran	The influence of forest tree mixture on the potential of carbon storage in Hyrcanian forest	(Forests and Climate Change)	Forests and Climate Change
Iran	manije	Talebi	University of Tehran	Quantitative and qualitative investigation of road construction standards in Arasbaran forest, Iran	36 Impacts of forest roads on water resources and aquatic habitat	Forest and Water Interactions
Iran	Ghavamudin	Zahedi Amiri	University of Tehran	Determination of soil carbon sequestration by using humic content in pure and mixed stands of beech in kheyroud forest/ Iran	(Forests and Climate Change)	Forests and Climate Change
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Ireland	Seline	Meijer	University College Dublin	Attitudes and behaviour towards on-farm tree planting among smallholder farmers in Malawi	200 On farm trees: towards the promotion and development of a traditional or local silviculture in tropical and subtropical forest regions	Forests for People
Ireland	Fionnuala	Murphy	University College Dublin	Life cycle assessment of wood energy supply chains in Ireland	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy
Ireland	John	O'Halloran	UCC	Ecosystem services of planted forests through provision of habitat	52 Ecosystem services provided by planted forests	Forest Biodiversity and Ecosystem Services
Ireland	mary	ryan	Teagasc	The adoption of a new forest practice needs more than one extension approach	227 Knowledge exchange and communication of forest research for human and community well-being	Forests for People
Ireland	Ganna	Shutenko	PhD student at the University College Dublin, Funded of Irish Research Council	Mesofauna as bioindicator and recultivator of radioactive contamination soil of pine and birch forests near Chernobyl	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services

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Israel	Zvi	Mendel	Agricultural Research Organization	Lessons from successful classical biological control in Israel of <i>Leptocybe invasa</i> and <i>Ophelimus maskelli</i>	166 Global approaches to the biological control of invasive <i>Eucalyptus</i> pests	Forest Health in a Changing World
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Israel	Joseph	Riov	1Robert H. Smith Institute of Plant Sciences and Genetics in Agriculture, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Rehovot, Israel	Developing Drought Resistant Types of <i>Cupressus sempervirens</i>	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
Italy	mauro	agnoletti	GESAAF-University of Florence	Cultural values and forest policies. The case of Europe	Cultural values, quality of life and forest landscapes	Sub-plenary session
Italy	mauro	agnoletti	GESAAF-University of Florence	The Italian National Register of Historical Rural Landscapes	189 Linking landscape, forests and people: The historical roots of biocultural diversity	Forests for People
Italy	Giorgio	Alberti	MOUNTFOR Reserach Center	Conversion of <i>Fagus sylvatica</i> coppices to high forests: results from a thirty year experiment in Eastern Italian Pre-alps	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services
Italy	Anna	Barbati	University of Tuscia	Designing innovative silvicultural best practices to increase multi-taxa biodiversity in Natura 2000 priority habitats (9210* and 9220*) Apennine beech forests	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
Italy	Andrea	Battisti	University of Padova	Range expansion of the pine processionary moth in relation to climate warming	94 Changes in distributional ranges in a changing world	Forest Health in a Changing World
Italy	Filippo	Brun	DISAFA - University of Torino - Italy	Valorization of marginal forest lands through non-wood products supply chain: the example of truffle and mushrooms in Italy	87 Innovation in the forest sector: maximizing the sector's competitiveness	Forests and Forest Products for a Greener Future
Italy	Martina	Cambi	GESAAF - University of Florence	Assessment of forest logging influence on soil environment	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
Italy	Raffaele	Cavalli	Dept. TESAF University of Padova	Forest operation engineering and management for sustainable use of mountain forests	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services
Italy	Ariadna	Chavarria Resendez	University of Padua	BIODIVERSITY OFFSETS: DELIVERING ADDITIONALITY TO THE CONSERVATION WOODLANDS IN ITALY?	139 The future of ecosystem services from forests	Forest Biodiversity and Ecosystem Services
Italy	Irene	Cionni	ENEA	Effects of climate change on air quality and forest vulnerability	8 Modeling as a tool for improving the knowledge on forest vulnerability and risk exposure in a changing world	Forest Health in a Changing World

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Italy	Claudia	Cocozza	Department Bioscience and Territory - University of Molise	Climate signals derived from day-to-day analysis: climate sensitivity of Picea abies in Northern Italy (Trentino – Eastern Alps)	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
Italy	Michela	Conigliaro	FAO	Forest and Cities, Strategies and Actions: a review on 20 years of FAO activities on urban forestry and green infrastructure.	88 Resilience and Identity with urban forests: A landscape system approach	Forests for People
Italy	Piermaria	Corona	University of Tuscia	A MONTE CARLO APPRAISAL OF FOUR DIFFERENT INTERPOLATION METHODS TO COUPLE REMOTELY SENSED AND GROUND DATA	49 Using multi-source remotely sensed data and nearest neighbor techniques to improve inference for natural resource applications.	Forests and Climate Change
Italy	Antonella	Cristofori	Fondazione Edmund Mach	454 sequencing to assess the differential expression of genes due to ozone stress in Viburnum lantana L.	14 Ozone and forest health	Forest Health in a Changing World
Italy	Riccardo	Da Re	Università di Padova	Local forest governance assessed through Social Network Analysis: comparison of three case studies in Italy, Bosnia Herzegovina and Montenegro	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
Italy	Alessandra	De Marco	ENEA	Reducing modelling uncertainties in ozone-risk assessment for Mediterranean forests from comparison of modelled and measured phytotoxic ozone dose (POD) data	14 Ozone and forest health	Forest Health in a Changing World
Italy	Mario	Elia	Dip. Scienze Agro-Ambientali e Territoriali, Università degli Studi di Bari	Quantifying management priorities in urban interfaces threatened by wildfires	110 Managing forest for fire in a changing climate	Forests and Climate Change
Italy	Massimo	Faccoli	Department of Agronomy, Food, Natural Resources, Animals and Environment, University of Padova, Legnaro (PD) 35020	Toward the eradication of the Asian Longhorned Beetle, Anoplophora glabripennis (Coleoptera: Cerambycidae), from North East Italy	206 Ecology and management of invasive wood boring pests in a changing world	Forest Health in a Changing World
Italy	Lorenzo	Fattorini	University of Siena	Inference on diversity indexes from large-scale forest inventories	Advances in large-scale forest inventories to support the monitoring and the assessment of forest biodiversity and ecosystem services	Sub-plenary session
Italy	Alice	favero	FEEM	Using Markets for Woody Biomass Energy to Sequester Carbon in Forests	243 Global and regional deployment of Biomass & CCS (BECCS): Reconciling top-down and bottom-up approaches and REDD+BECCS Nexus	Forest Biomass and Bioenergy
Italy	Matteo	Favero	University of Padova, TESAF Department	Common Properties in the Veneto Region (Italy) between failure and success in socio-economic development of mountain areas	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Italy	Matteo	Favero	University of Padova, TESAF Department	Multifunctional and integrated forest management in Italy: policy failures and possible solutions	28 Ethics and values in relation to forest, wildlife and recreation management	Forests for People
Italy	antonio	frattari	University of Trento	Traditional Wooden Architecture in the Alpine Regions	5 Wood and forest culture: merging the past with the present	Forests for People
Italy	Matteo	Garbarino	Università Politecnica delle Marche, Ancona, IT	Effects of anthropogenic activities on forest landscape in the Khumbu valley, Nepal	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People

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Italy	Paola	Gatto	Dipartimento Territorio e Sistemi Agro-forestali, University of Padova	Understanding forest owners' propensity to the provision of ecosystem services: a survey in the Veneto Region of Italy	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Italy	Paolo	Gonthier	University of Torino, Dept. of Agricultural, Forest and Food Sciences	How invasive pathogens and pests may threaten a multipurpose tree species: the European chestnut as a case study	15 Societal impacts of invasive forest pathogen and pests	Forest Health in a Changing World
Italy	Giacomo	Grassi	JRC european Commission	The EU greenhouse gas inventory: experience and challenges when dealing with 28 different national forest inventories	248 National forest sector greenhouse gas inventories following IPCC guidance and guidelines: Requirements, methods, and national examples	Forests and Climate Change
Italy	Giacomo	Grassi	JRC european Commission	Application of the CBM model to estimate Europe's current and future forest carbon sequestration	222 Forest management options to tackle climate change	Forests and Climate Change
Italy	Nicola	La Porta	The EFI Project Centre on Mountain Forests (MOUNTFOR), Edmund Mach Foundation,	454 Pyrosequencing analyses of mountain forest soils reveal a high fungal diversity and a rapid response to successional stages	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
Italy	Nicola	La Porta	The EFI Project Centre on Mountain Forests (MOUNTFOR), Edmund Mach Foundation,	Elemental composition in wood and different tree compartments on the quality of chips for fuel.	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
Italy	Nicola	La Porta	The EFI Project Centre on Mountain Forests (MOUNTFOR), Edmund Mach Foundation,	Cephalcia arvensis defoliation on Norway spruce: a case study analysis by tree-rings and stable isotopes approach	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
Italy	Nicola	La Porta	The EFI Project Centre on Mountain Forests (MOUNTFOR), Edmund Mach Foundation,	High economical damages due to rot pathogen <i>Heterobasidion annosum</i> s.l. in close-to-nature managed Norway spruce forests in the Italian Alps	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
Italy	Nicola	La Porta	The EFI Project Centre on Mountain Forests (MOUNTFOR), Edmund Mach Foundation,	The contribution of historical vegetational database recovering to study the forest biodiversity in Trentino (Italy).	209 From data to knowledge, geospatial tools and information access	Forests for People
Italy	Raffaele	Laforteza	Dip. Scienze Agro-Ambientali e Territoriali, Università degli Studi di Bari	ECOSYSTEM SERVICES IN URBAN FOREST AREAS: BALANCING CARBON STORAGE AND BIODIVERSITY	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
Italy	Alessandro	Leonardi	Department of Land, Environment, Agriculture and Forestry, University of Padova	Payments for forests: characterizing benefits and governance in the context of Watershed Payments for Environmental Services in Europe	220 Richer economies, better environmental policies? Analyzing the "environmental question" in forest policy in OECD countries	Forests for People
Italy	Fabio	Lombardi	Dipartimento di Bioscienze e Territorio, Università degli Studi del Molise, Contrada Fonte Lappone, 86090 Pesche, Italy	Effects of structural and deadwood attributes on the abundance of saproxylic beetles and microhabitats in a silver fir forest (Italy).	142 Ecology and dynamics of dead wood dependent species at multiple trophic levels – Promoting natural pest control in managed forests or increasing hazards?	Forest Biodiversity and Ecosystem Services

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Italy	Judy	Loo	Bioversity International	Using case studies for enhancing capacity in managing forest genetic resources	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
Italy	Nicola	Luchi	Istituto per la Protezione delle piante - CNR	Detection and epidemiology of invasive fungal pathogens by real time quantitative PCR	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
Italy	Biljana	Macura	University of Padova, Department of Land, Environment, Agriculture and Forestry	Effectiveness of Integrated Conservation and Development Projects around Central Indian Tiger Reserves	28 Ethics and values in relation to forest, wildlife and recreation management	Forests for People
Italy	Biljana	Macura	University of Padova, Department of Land, Environment, Agriculture and Forestry	Examining the impact of governance on the effectiveness of forest protected areas: a systematic review of the evidence	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
Italy	Nataschia	Magagnotti	CNR IVALSA	Exposure of mobile chipper operators to wood dust and diesel exhaust	(Forest Biomass and Bioenergy)	Forest Biomass and Bioenergy
Italy	Marco	Marchetti	Italian Academy of Forest Sciences	Development of innovative models for multiscale monitoring of ecosystem services indicators in Mediterranean forests	Advances in large-scale forest inventories to support the monitoring and the assessment of forest biodiversity and ecosystem services	Sub-Plenary session
Italy	Enrico	Marchi	GESAAF - University of Florence	International Masters in Wood Energy: an EU project for developing higher education in the bioenergy sector	131 Forestry education serving science and practice	Forests for People
Italy	Raffaella	Marzano	University of Torino, IT	Post-fire regeneration in mountain forests of the Alps: role of biological legacies and impact of restoration strategies	Forest regeneration: challenges and prospects	Forest Biodiversity and Ecosystem Services
Italy	Fabio	Meloni	Università degli Studi di Torino, DISAFA	Assessing the outcomes of ecological restoration by afforestation along a new high-speed railway in north-western Italy	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
Italy	Marina	Miovskaa	Department of Land, Environment, Agriculture and Forestry, University of Padua	The local level cooperation forms in forestry and their governance: Croatia and Serbia as case studies of South East Europe	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
Italy	Renzo	Motta	Università degli Studi di Torino, DISAFA	Restoring old-growth features to managed forests in the eastern Italian Alps	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
Italy	Renzo	Motta	Università degli Studi di Torino, DISAFA	Legacies of historical land use on present forest structure in mixed beech-silver fir forests in Northern Apennines	189 Linking landscape, forests and people: The historical roots of biocultural diversity	Forests for People
Italy	Till	Neeff	CD-REDD Project	Capacity development for the AFOLU sector of national GHG inventory systems and MRV in developing countries	248 National forest sector greenhouse gas inventories following IPCC guidance and guidelines: Requirements, methods, and national examples	Forests and Climate Change
Italy	Elena	Paoletti	Institute of Plant Protection, National Research Council, Italy	Stomatal ozone flux-response relationship for visible injury and net photosynthesis in poplar trees treated with or without EDU	14 Ozone and forest health	Forest Health in a Changing World
Italy	Elena	Paoletti	Institute of Plant Protection, National Research Council, Italy	Ozone fluxes and epidemiology of ozone injury to forests	14 Ozone and forest health	Forest Health in a Changing World

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Italy	Elena	Paoletti	Institute of Plant Protection, National Research Council, Italy	Ozone-induced differences in phenology and antioxidants of poplar trees treated and untreated with ethylenediurea (EDU)	14 Ozone and forest health	Forest Health in a Changing World
Italy	Elena	Paoletti	Institute of Plant Protection, National Research Council, Italy	BVOC emission from Silver birch under ozone and nitrogen stress	14 Ozone and forest health	Forest Health in a Changing World
Italy	Francesca	Pierobon	University of Padua	Incorporating Carbon Sequestration into the Feedstock LCA for residual woody biomass	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy
Italy	Francesco	Ripullone	University of Basilicata	OAK FOREST DECLINE IN MEDITERRANEAN ENVIRONMENT: UNDERSTANDING THE LINKAGE OF CLIMATIC DRIVERS TO PHYSIOLOGICAL AND DENDRO-ANATOMICAL VARIATIONS	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
Italy	FABIO	SALBITANO	GESAAF - UNIVERSITY OF FLORENCE	"Sustainable" ecological history? A Story of forest management practices out of the official silviculture along 1000 years of landscape dynamics	189 Linking landscape, forests and people: The historical roots of biocultural diversity	Forests for People
Italy	FABIO	SALBITANO	GESAAF - UNIVERSITY OF FLORENCE	Genetic diversity of Quercus ilex L. as a tool for retracing the dynamics of the Mediterranean forest ecosystems	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
Italy	Giovanni	Sanesi	Dip. Scienze Agro-Ambientali e Territoriali, Università degli Studi di Bari	Perceived restorativeness of different urban green typologies of two cities in Italy	88 Resilience and Identity with urban forests: A landscape system approach	Forests for People
Italy	Massimiliano	Sanfilippo	COSPE NGO	A simplified method for yield regulation of miombo woodlands in the context of Participatory Forest Management	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services
Italy	Jesús	San-Miguel-Ayanz	European Commission Joint Research Centre	Support to forest policy analysis in the European Union through the Forest Information System for Europe (FISE)	181 The interface between quantitative forest sector modeling and policy analysis: What can be improved?	Forests and Forest Products for a Greener Future
Italy	Alberto	Santini	Institute of Plant Protection	Global Forest Pathogen Invasion Pathways	Stemming invasions of forest insects and pathogens: Research supporting pathway risk management and phytosanitary policy	Sub-plenary session
Italy	Laura	Secco	Universty of Padova	THE ANALYSIS OF FOREST GOVERNANCE AND SOCIAL CAPITAL: theoretical and methodological links, gaps and overlaps	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
Italy	Neeta	Sharma	ENEA Research Centre	Forestry Biomass Resource Assessment in EU & Member States	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Italy	Raffaele	Spinelli		Forest work studies: who, why, how	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
Italy	Raffaele	Spinelli		Harvesting traditional coppice stands in the Northwestern Italian mountains	113 Coppice forests - a tradition with future	Forests for People
Italy	Raffaele	Spinelli		A new guide for work studies in forestry	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future

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Italy	Davide	Travaglini	Università degli Studi di Firenze, Dipartimento di Economia, Ingegneria, Scienze e Tecnologie Agrarie e Forestali, Firenze (Italy)	Forest, Tourism and Wellbeing: human thermal comfort as an ecosystem service in Mediterranean forest	63 Forests and human wellbeing: Life satisfaction and behavioral approaches	Forests for People
Italy	Giorgio	Vacchiano	Università degli Studi di Torino	Impact of changing climate and disturbances on forests providing protection from gravitational hazards	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
Italy	Andrea	Vannini	DIBAF-University of Tuscia	Sentinel nurseries: an early warning system to prevent alien forest pathogens invasion	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
Italy	Enrico	Vidale	Dipartimento Territorio e Sistemi Agro-forestali, University of Padova	Wild Mushroom in Italy: from a commodity to a recreational service.	162 Greening society and non-wood forest product commercialisation: assessing the environmental, economic and social trade-offs	Forests and Forest Products for a Greener Future
Italy	Peter	Vogt	European Commission Joint Research Centre	Morphological analysis of state and trends of landscape pattern	184 Forest health in changing landscapes: The roles of landscape patterns	Forest Health in a Changing World
Japan	EI	-	Kyoto University	The Local Particularity of the Livelihoods of Taungya Participants in the Teak Plantations in the Bago Mountains, Myanmar	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
Japan	Hisashi	Abe	International Association of Wood Anatomists (IAWA)	Radial variation of wood density and wood anatomy of Quercus spp. (Fagaceae) in Japan	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
Japan	Nobuhiro	Akashi	Hokkaido Research Organization	An evaluation of the effects of sika deer on forest regeneration based on observation of browsed shoots	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Japan	Ji Young	An	Kyoto University	The relationship between fine root and litterfall dynamics across various types of temperate deciduous and coniferous forests	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
Japan	Kazuhiro	Aruga	Utsunomiya University	Forest biomass supply chains: Practice, economics, and energy balance in Tochigi prefecture, Japan	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Japan	Kazuhiro	Aruga	Utsunomiya University	Applying the optimal bucking method to maximize profits on Nasunogahara area, Tochigi Prefecture, Japan	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
Japan	Kazuhiro	Aruga	Utsunomiya University	Estimating Harvesting Costs and Projecting Available Amounts of Logging Residues with Small-scale Forestry in Nasushiobara city, Tochigi prefecture, Japan	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Japan	Azita	Binti Ahmad Zawawi	University of The Ryukyus	Estimating stand heights and crown structure of subtropical broadleaved forest using LiDAR data in Okinawa island, Japan	(Forests and Climate Change)	Forests and Climate Change
Japan	Yaw Agyeman	BOAFO	United Nations University-Institute for Sustainability and Peace	Declining Traditional Ecological Knowledge and Implications on Ecosystem Service Utilization and Management in Disaster Prone Savannah Areas of Northern Ghana	190 Value of traditional knowledge for sustainable forest management	Forests for People
Japan	Somanta	Chan	University of Hyogo	Carbon Stocks and Species Diversity in Natural Forests in Cambodia	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change

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Japan	Yoshiyuki	Chinen	Faculty of Agriculture, University of the Ryukyus	The current status of wood utilization for residential housing in Okinawa prefecture, Japan	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
Japan	Chen-Wei	Chiu	Kyushu University	Stand transpiration estimated by sap flow measurements in a mixed broadleaved forest, western Japan	(Forest and Water Interactions)	Forest and Water Interactions
Japan	Wil	de Jong	CIAS, Kyoto University	Integrating multiple environmental regimes: Land and forestry policies under broader democratic reforms in the Bolivian tropical lowlands	37 Achieving policy integration across fragmented domains: Forest policy perspectives	Forests for People
Japan	Wil	de Jong	CIAS, Kyoto University	Forests under pressure: Possible Future Pathways	66 Forests under pressure: Prerequisite conditions for forest-related sustainable development	Forests for People
Japan	Juri	Fujieda	The University of Tokyo	The effect of bark extraction for hiwada roof production on the thickening growth of <i>Chamaecyparis obtuse</i>	5 Wood and forest culture: merging the past with the present	Forests for People
Japan	Maya	Fujiwara	Tokyo University of Agriculture and Technology	Evaluation of the Drying Potential of Wood Chips inside Breathable Flexible Containers and Modeling of Moisture Content Transition	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Japan	Kenji	Fukuda	the University of Tokyo	Radiocesium contamination in Satoyama forests in Kashiwa city, suburb of the Tokyo metropolitan area	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services
Japan	Yukina	Funasaka	Graduate school of bioagricultural sciences, Nagoya university	The research about raising the safety awareness of forestry in Japan	(Forests for People)	Forests for People
Japan	Takashi	Gomi	Tokyo University of Agriculture and Technology	How does confounding impacts of flood and forest thinning alter benthic macroinvertebrate community in Japanese headwater streams	86 Role of disturbance in maintaining and stimulating aquatic biological diversity in temperate forest ecosystems	Forest and Water Interactions
Japan	Takashi	Gomi	Tokyo University of Agriculture and Technology	Long- and short-term hydrogeomorphic processes alters the spatial variability of soil carbon and nutrient accumulations in headwater catchments of Japan	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Japan	Mie	Gomyo	Forestry and Forest Products Research Institute	Long-term variation of coefficients of peak discharge in a small watershed, in association with forest restoration and succession on denuded hills	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions
Japan	Jun'ichi	Gotou	Kochi University	Forest Operations Engineering and Management Achievements and Perspectives - The JFES view	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
Japan	Shiwei	Gou	Kyoto University	Assessing the trail condition and environmental factors of the Kumano Pilgrimage routes in the Kii mountains, Japan	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People
Japan	Kazuhiro	Harada	University of Hyogo	Collaborative forest management with effective REDD+ social safeguards: An experience from a national park in East Java, Indonesia	46 Understanding the relationships among biodiversity, carbon, and people for REDD+ forests: The importance of environmental and social safeguards	Forests and Climate Change
Japan	Yasumasa	Hirata	Forestry and Forest Products Research Institute	Use of remote sensing for forest monitoring at a national level in REDD+ implementation	74 Advances in forest carbon measurements and monitoring for building REDD+ MRV systems	Forests and Climate Change
Japan	Hai	Hoang	Kyoto university	Current status and potentialities for forest certification in Vietnam	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People

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Japan	Hayato	Iijima	Yamanashi Forest Research Institute	Debarking of trees by deer are affected by deer density, tree size, species palatability, and maximum snow depth	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Japan	Takefumi	Ikeda	Kyoto Prefectural University, Department of Forest Science	Effect of trunk injected-nematicides against pine wilt disease to water relations in pine trees	102 Emerging invasive forest pathogens	Forest Health in a Changing World
Japan	Mariko	Inoue	Forestry and Forest Products Research Institute Japan	Present situation of forest education include forestry, environment and outdoor activities in Japan	131 Forestry education serving science and practice	Forests for People
Japan	Akemi	Itaya	Mie university	Long-term landform transformations in a suburban forest using aerial photographs and DEMs generated from historical topographic maps	88 Resilience and Identity with urban forests: A landscape system approach	Forests for People
Japan	Satoshi	Ito	University of Miyazaki	Additive partitioning approach evaluating the restoration efficiency of plant species diversity in a warm-temperate mountainous riparian forest in Japan	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
Japan	Taiichi	Ito	University of Tsukuba	An analysis of long-distance trail development in Japan based on protected area management and rural development	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People
Japan	Takayuki	Ito	Forestry and Forest Products Research Institute	Productivity and cost of Moso bamboo harvesting in Japan	98 Sustaining bamboo and rattan resources	Forests and Forest Products for a Greener Future
Japan	Masahiro	Iwaoka	Tokyo University of Agriculture and Technology	Difference of carbon balance through forest management and timber utilization at different cutting periods	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
Japan	Marcin	Jarzebski	The University of Tokyo	How farmers adapt (to) co-management of land as sustainable development platform - a study of community forestry program(s) in the Philippines	63 Forests and human wellbeing: Life satisfaction and behavioral approaches	Forests for People
Japan	Marcin	Jarzebski	The University of Tokyo	Adaptation to climate change through community forestry programs – Case studies in vulnerable uplands of the Philippines	107 Forest management for adaptation to climate change	Forests and Climate Change
Japan	Noor	Jemali	United Graduate School of Agriculture Sciences, Kagoshima University	Evaluating vegetation complexity at different site condition of subtropical forest of Okinawa Island Japan	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Japan	Takahide	Kagawa	Forestry and Forest Products Research Institute	The spread of forest therapy in Japan.	169 Forests and human health: The role of research towards evidence-based practice	Forests for People
Japan	Naoto	Kamata	The University of Tokyo	Factors influencing the percentage of tree mortality by the Japanese oak wilt	34 The co-evolution of insects and fungi that form symbiotic relationships and kill forest trees	Forest Health in a Changing World
Japan	Chiho	Kamiyama	United Nations University	Contributions to human well-being from sharing ecosystem services through non-market social networks in Satoyama landscapes	189 Linking landscape, forests and people: The historical roots of biocultural diversity	Forests for People
Japan	Tsutomu	Kanasashi	Nagoya university	Seasonal change of cesium 137 in different age needles and male flowers of Japanese cedar (<i>Cryptomeria japonica</i>) in Fukushima	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services

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Japan	Shinji	Kaneko	Forestry and Forest Products Research Institute	Distribution and migration of radiocesium in the forest ecosystem after the Fukushima Dai-Ichi Nuclear Power Plant (NPP) accident	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services
Japan	Akira	Kato	Chiba university	Full Automatic Process to Create Forest Inventory using Terrestrial Lidar	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
Japan	Etsushi	Kato	National Institute for Environmental Studies	BECCS use and sustainability of the land-use in mitigation pathways	243 Global and regional deployment of Biomass & CCS (BECCS): Reconciling top-down and bottom-up approaches and REDD+BECCS Nexus	Forest Biomass and Bioenergy
Japan	Mari	Kawase	Graduate School of Agriculture, Kyoto University	A study of Japanese attitudes toward coniferous forests and pollen allergy	169 Forests and human health: The role of research towards evidence-based practice	Forests for People
Japan	Fumiaki	Kitahara	FFPRI	The relationship between replanted tree growth and frequency of bush clearing in replanted Sugi (<i>Cryptomeria japonica</i>) forests.	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
Japan	Ryo	Kohsaka	Kanazawa University	Traditional Knowledge of Mushroom Production in Changing World —Case of Noto-Temari and dried shiitake-mushroom in Oku-noto Area, Japan	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
Japan	Ryo	Kohsaka	Kanazawa University	Biodiversity, and their Communication Gaps in the Mass Media: Experience from the CBD COP10 and beyond	227 Knowledge exchange and communication of forest research for human and community well-being	Forests for People
Japan	Takayoshi	Koike	Hokkaido University	Forest declining of a mountain birch stand at the somma of Lake Mashu, northern Japan	14 Ozone and forest health	Forest Health in a Changing World
Japan	Yuji	Kominami	Forestry and forest products research institute	Potential change of NEP caused by tree species change under the climate change in Japan	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
Japan	Tetsuya	Kubota	Kyushu university	The Influence of increasing rain due to climate change on forest slope stability in western Japan	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
Japan	Yuji	Kurahara	Forestry and Forest Products Research Institute	Developing the evaluation method for wood stiffness of Sugi (<i>Japanese Cedar, Cryptomeria japonica</i> D. Don) at nursery stage	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Japan	KOICHIRO	KURAJI	The University of Tokyo	Seventy-seven years variation of annual evapotranspiration in small watershed with the forest restoration and succession on denuded hills	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions
Japan	Manabu	Kurita	Forest Tree Breeding Center, Forestry and Forest Products Research Institute	Male sterilization of <i>Cryptomeria japonica</i> by the barnase/barstar system.	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
Japan	Misa	Masuda	Tsukuba University	A carrying capacity approach to forest management in developing countries	252 Forest-dependent community development	Forests for People
Japan	Yasushi	Mitsuda	University of Miyazaki	Modeling potential site productivity for Japanese cedar for selecting suitable sites for managing planted forests	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future
Japan	Satoru	Miura	Forestry and Forest Products Research Institute	A new soil erosion survey method in the national forest inventory of Japan	250 New developments and use of the UN-sponsored Global Forest Resource Assessment	Forests and Climate Change

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Japan	Takafumi	Miyama	Forestry and Forest Products Research Institute, Japan	Nocturnal isoprene emission from deciduous trees in Japan	(Forests and Climate Change)	Forests and Climate Change
Japan	Asako	Miyamoto	Forestry and Forest Products Research Institute	Historical investigation of forest landscapes and their various uses in the early 20th century, based on national forest management plans	189 Linking landscape, forests and people: The historical roots of biocultural diversity	Forests for People
Japan	Kanji	Mizutani	Forestry and Forest Products Research Institute	A proposed coastal pine reforestation model on the Great East Japan Earthquake	255. Ecology and management of coastal forests and mangroves	Forest and Water Interactions
Japan	RYOHEI	MORIMOTO	Graduate School of Bioagricultural Sciences, Nagoya University	Evaluating the best locations in coniferous plantations for the natural regeneration of broadleaved forest	164 Precision land-use management - state and perspectives	Forests and Forest Products for a Greener Future
Japan	Hiroko	Muneoka	Forestry and Forest Products Research Institute	Water and sediment behavior on rolled grade roads	36 Impacts of forest roads on water resources and aquatic habitat	Forest and Water Interactions
Japan	Kazuyo	Nagahana	The University of Tokyo	Forest Common Resources and Sustainability: Van (Forest) Panchayat and Forest Protection Committee in Garhwal, India	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
Japan	Masahiko	Nakazawa	Forestry and Forest Products Research Institute	Comparison of thinning productivities for the ordinary systems to the new system with a small wheel-mounted harvester and forwarder	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
Japan	masaaki	naramoto	shizuoka university	The effects of CO2 transfer via sap flow and bark conductance on stem respiration	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Japan	Tadafumi	Niizato	Japan Atomic Energy Agency	Predominant factor in the depth profile in forest soil of radiocaesium, released by the Fukushima Daiichi Nuclear Power Plant Accident	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services
Japan	Toshio	Nitami	University of Tokyo	Forest Woody Biomass collection through a Bundling Process in Mountainous Area	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Japan	Yukihito	Ochiai	Forest and forest products research institute, Japan	Trial of one year containerized seedlings for recovering tide-water control forest destroyed by Tsunami	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
Japan	Hideki	Ogawa	Fukushima Forestry Research Center	Inside contamination of Japanese cedar tree by radiocesium from Fukushima Nuclear Power Plant Accident	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services
Japan	Mizue	Ohashi	University of Hyogo	Applicability of mesh methods for the estimates of fine root production in forest ecosystems	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
Japan	Masashi	Ohsawa	Yamanashi Forest Research Institute	Life cycle, survivorship, and control of an insect pest, Trachys yanoi (Buprestidae, Coleoptera)	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
Japan	Kimiko	Okabe	Forestry and Forest Products Research Institute	Forest biodiversity and forest health	Forest health in a changing world	Sub-plenary session

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Japan	Naoki	Okada	Kyoto University	Functional differences between ectomycorrhizal and saprophytic fungi with respect to the distribution of 137Cs in forest soil	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services
Japan	Sumio	Okada	Tottori University	Effects of land-use change on Japanese Giant Salamanders in Hiroshima Prefecture forests	13 Salamanders: World icons of aquatic biodiversity in forests	Forest Biodiversity and Ecosystem Services
Japan	Tetsuji	Ota	Kyushu university	Estimating above-ground biomass using airborne LiDAR in tropical seasonal forests for REDD+ implementation	74 Advances in forest carbon measurements and monitoring for building REDD+ MRV systems	Forests and Climate Change
Japan	Toshiaki	Owari	The University of Tokyo	Single-tree management for high-value timber species in a mixed conifer-hardwood forest in northern Japan	219 How does biodiversity help to manage high-value timber species, and vice-versa?	Forest Biodiversity and Ecosystem Services
Japan	Toshiaki	Owari	The University of Tokyo	Height growth of Korean pine saplings planted under strip-cut larch plantations in northeast China	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future
Japan	Laddawan	Rianthakool	University of Tokyo	Rubber stump harvesting for biomass supply chain	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
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Japan	Hideo	Sakai	University of Tokyo	Prospectives and challenges of cable logging in Japan	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services
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Japan	Kaori	Shiga	Forest Economic Research Institute	Impact of socio-economic circumstances to forest management and forest cover in Java Island, Indonesia	62 Challenges and opportunities in forest management and utilization in rapidly changing Asian economies	Forests for People
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Japan	Hiroshi	Suyama	Shimane Prefecture Mountainous Region Research Center	A simple non-destructive method for detecting heart rot in standing trees using impact resonance frequency	(Forest Health in a Changing World)	Forest Health in a Changing World
Japan	Yasushi	Suzuki	Kochi University	A case study of wood fuel utilization by community forestry for sustainable, cost-effective management of local forest in Japan	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy

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Japan	Masayoshi	Takahashi	Forestry and Forest Products Research Institute	Rehabilitation process of natural mixed forest after wind disturbance by typhoon in Hokkaido, Japan in northern, Hokkaido	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
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Japan	Tsutomu	Takano	Forestry and Forest Products Research Institute	Acquisition of radioactive cesium in the stems of trees in Japan	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services
Japan	Fugo	Takasu	Nara Women's University	Modeling spatial spread of the pine wilt disease - an individual-based approach	94 Changes in distributional ranges in a changing world	Forest Health in a Changing World
Japan	Norimasa	TAKAYAMA	Forestry and Forest Products Research Institute in Japan	Influence of a scenery existence on site forest environment giving to the affect, subjective restorativeness and attention restoration.	169 Forests and human health: The role of research towards evidence-based practice	Forests for People
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Japan	Chisato	TAKENAKA	professor	Transport of Cs in Japanese bamboo -Perspective on decontamination of radiocaesium from bamboo forests-	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services
Japan	Hisatomo	Taki	Forestry and Forest Products Research Institute	Effects of planted forest biodiversity on pollination services	52 Ecosystem services provided by planted forests	Forest Biodiversity and Ecosystem Services
Japan	Ichiro	TAMAKI	Gifu Academy of Science and Culture	Genetic admixing of two evergreen oaks, <i>Quercus acuta</i> and <i>Q. sessilifolia</i> (subgenus <i>Cyclobalanopsis</i>), is the result of frequent interspecific hybridization	247 Oak regeneration to maintain biodiversity around the world	Forest Biodiversity and Ecosystem Services
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Japan	Shinichi	Tatsumi	The University of Tokyo	Modeling forest dynamics under single-tree selection system in Japanese mixedwood stands: harvesting impacts on understory vegetation and tree recruitment	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
Japan	Shinichi	Tatsumi	The University of Tokyo	Individual-level analysis of damage to residual trees after single-tree selection harvesting in northern Japanese mixedwood stands	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
Japan	Shinichi	Tatsumi	The University of Tokyo	Neighborhood analysis of the growth and survival of underplanted Korean pine in Olgan larch plantations in northeastern China	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
Japan	Toru	Terada	The University of Tokyo	Sustainable urban forest maintenance: re-thinking satoyama as a biomass resource for the small-scale wood energy utilization	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Japan	Jun	TESHIROGI	Organization for Landscape and Urban Green Infrastructure	A Comparative Study on Evapotranspiration of the Same trees in Urban Forests and Individual tree using Lysimeter method	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions

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Japan	Miki	Toda	University of Tsukuba	Impact of health care provision on the contribution of medicinal plants to health and livelihoods in Peruvian Amazon	63 Forests and human wellbeing: Life satisfaction and behavioral approaches	Forests for People
Japan	Masato	Torii	Mie University	Hyphal growth of <i>Raffaelea quercivora</i> within inoculated living and gamma-ray-sterilized seedlings of two Japanese and three American oak species	34 The co-evolution of insects and fungi that form symbiotic relationships and kill forest trees	Forest Health in a Changing World
Japan	Masato	Torii	Mie University	Pathogenicity of three <i>Raffaelea</i> spp. isolates collected in northern Thailand against <i>Quercus crispula</i> seedlings	34 The co-evolution of insects and fungi that form symbiotic relationships and kill forest trees	Forest Health in a Changing World
Japan	Keisuke	Toyama	University of Tokyo	Current pictures and feasibility of quasi-clearcutting in Japan	Forest regeneration: challenges and prospects	Forest Biodiversity and Ecosystem Services
Japan	Stanko	Trifkovic	Graduate School of Informatics, Kyoto University	Use of 360° panoramic stereo photography in forest inventories: sampling designs, spatial distribution and hidden trees	209 From data to knowledge, geospatial tools and information access	Forests for People
Japan	Yuko	Tsunetsugu	Forestry and Forest Products Research Institute	Physiological effects of wooden odors on humans: evidence from laboratory experiments	169 Forests and human health: The role of research towards evidence-based practice	Forests for People
Japan	Yuko	Tsunetsugu	Forestry and Forest Products Research Institute	Estimation of carbon emission and removal from the harvested wood products pool following the 2013 IPCC KP Supplement in Japan	248 National forest sector greenhouse gas inventories following IPCC guidance and guidelines: Requirements, methods, and national examples	Forests and Climate Change
Japan	Iwao	UEHARA	Tokyo University of Agriculture	The effects of forest therapy utilizing regional abandoned forests in Japan	169 Forests and human health: The role of research towards evidence-based practice	Forests for People
Japan	Ken	Watanabe	Forestry and Forest Products Research Institute	Nondestructive estimation of mode I fracture toughness of wood using near infrared (NIR) spectroscopy	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Japan	ryosuke	watanabe	Nagoya University	Ergonomic and Productive Effects of Replacement Steel Wire Ropes with Synthetic Ropes for a Mobile Tower Yarder	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
Japan	Ugai	Watanabe	Chiba Institute of Technology	Residual DNAs Extracted from Timbers and Its Effectiveness for Identification of Wood Species	241 Forest governance and legality of timber: Challenges of legality in practice	Forests and Forest Products for a Greener Future
Japan	Takeshi	Yamada	Forestry and Forest Products Research Institute	Operational efficiency of the containerized seedlings planting machine	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
Japan	Tsuyoshi	Yamada	Forestry and Forest Products Research Institute	Short-term impact of whole tree harvest at thinning on cation dynamics in a Japanese cedar forest ecosystem	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
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Japan	Yozo	Yamada	Graduate School of Bio-agricultural Sciences, Nagoya University	Comparative study of the ergonomic spectrum at the levels of logging entities and prefectures	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future

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Japan	Hirohisa	Yoshida	Tokyo Metropolitan University	Transportation of radiocesium from forest to agricultural fields	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services
Japan	Mika	Yoshida	The University of Tokyo	Establishment of logistics for economic biomass energy supply chain in Japanese condition	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
Japan	Atsushi	Yoshimoto	Professor/Institute of Statistical Mathematics	Using a Mean-Reverting Stochastic Model for Risk Evaluation of Sustaining Forest Management under Market Price Uncertainty	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Japan	Mayumi	Yoshimura	Forestry and Forest Products Research Institute	Radioactive contamination of aquatic animals in stream impacted by the Fukushima nuclear power plant accident	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services
Kenya	Paolo	Cerutti	CIFOR	Logging Concessions and Local Governance: Social Legitimacy and Effectiveness of Forest Certification in the Congo Basin	125 Impact of forest certification on sustainable forest management	Forests and Forest Products for a Greener Future
Kenya	ROSE	CHITEVA	KENYA FORESTRY RESEARCH INSTITUTE (KEFRI)	ENHANCING COMMUNITY LIVELIHOODS THROUGH NATURE BASED ENTERPRISES: THE CASE OF MATINYANI WOMEN GROUP, KITUI, KENYA.	252 Forest-dependent community development	Forests for People
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Kenya	Shem	Kuyah	World Agroforestry Centre (ICRAF)	Estimating aboveground tree biomass in three different miombo woodlands and associated land use systems in Malawi	(Forests and Climate Change)	Forests and Climate Change
Kenya	Sheila	Mbiru	Kenya Forestry Research Institute	Potential gum Hagar production from <i>Commiphora holtziana</i> in Kenya	197 Forest resources assessment for non-wood forest products	Forests and Forest Products for a Greener Future
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Kenya	Stephen	Ndung'u	Kenya Forestry Research Institute	Predicting storage life and viability of <i>melia volkensii</i> seeds after extraction	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Kenya	Henry	Neufeldt	World Agroforestry Centre (ICRAF)	Assessing carbon stocks and socioeconomic indicators of complex landscapes	117 Remote sensing in carbon balance evaluation and monitoring	Forests and Climate Change
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Korea, Republic of	Jaehong	Hwang	Korea Forest Research Institute	Effects of irrigation period on growth performances and photosynthesis of container seedlings of Fraxinus mandshurica	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Korea, Republic of	Jaehong	Hwang	Korea Forest Research Institute	Variations in early seedling growth of Quercus acutissima in strip cut Larix kaempferi plantation	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Korea, Republic of	Jaehong	Hwang	Korea Forest Research Institute	The comparison of early growth of Pinus koraiensis seedlings in harvested deciduous and evergreen coniferous plantations	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Korea, Republic of	Jaehong	Hwang	Korea Forest Research Institute	Effects of open-field experimental warming using the infrared lamp on seed germination characteristics of major coniferous species in Korea	(Forests and Climate Change)	Forests and Climate Change
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Korea, Republic of	Byoungyun	Ji	Korea Forest Research Institute	A study on the productivity and cost of cable logging in Korea	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
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Malaysia	Jegatheswaran	Ratnasingam	Universiti Putra Malaysia	Quantifying the Influence of Wood Anatomy on Surface Roughness	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future

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Malaysia	Mohd Nazip	Suratman	Faculty of Applied Sciences, Universiti Teknologi MARA	Spatial Distribution and Demographic Structure of the Critically Endangered Dipterocarpaceae in Fragmented Habitat in Malaysia	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Malaysia	Jeyanny	Vijayanathan	Forest Research Institute Malaysia	Estimation of Forest Floor Carbon Stocks in a Tropical Montane Forest	Monitoring soil carbon stocks and dynamics at variable spatial scales	Forests and Climate Change
Malaysia	Mohd Effendi	Wasli	Universiti Malaysia Sarawak	Effect of site condition and soil physical properties on the growth performance of planted Shorea macrophylla in reforestation site at Sampadi Forest Reserve	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services
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Mali	Seriba	KONARE	Institut d economie rural du Mali	Effect of fuelwood extraction on structure of forest in Farako, Mali.	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Mali	Seriba	KONARE	Institut d economie rural du Mali	Villagers Perception on fuelwood Usage in Families Living in Wassorola, Mali	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Mexico	Oscar Alberto	Aguirre Calderón	Facultad de Ciencias Forestales, U.A.N.L.	EVALUATION OF CARBON CONTENT IN FORESTS OF NORTH EASTERN MEXICO	(Forests and Climate Change)	Forests and Climate Change
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Mexico	Oswaldo	Carrillo	Proyecto Mexico-Noruega, Comision Nacional Forestal	Forest carbon stock change uncertainty estimation in Mexico	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change

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Mexico	Luis Alejandro	Lopez-Ochoa	Universidad Autonoma de Nuevo Leon	Evaluation of Permanent Sites for the Monitoring and Modeling of Biomass and CO ₂ in Mexico's Mixed Forests	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
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Mexico	ESTEBAN	PÉREZ-CANALES	INSTITUTO DE SILVICULTURA E INDUSTRIA DE LA MADERA UJED	Forest Biomass in Mexico, Alternative Source of Energy?	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Mexico	ESTEBAN	PÉREZ-CANALES	INSTITUTO DE SILVICULTURA E INDUSTRIA DE LA MADERA UJED	Human development for the sustainability of Mexican forests.	105 The social outcomes of community forestry: What do we know and how do we know it?	Forests for People
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Mexico	Benedicto	Vargas-Larreta	Instituto Tecnológico de El Salto. DGEST	Biomass and Forest Carbon accounting in Cold-Temperate Ecosystems in Northern Mexico	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
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Mexico	Alejandra	Zaragoza-Hernandez	Colegio de Postgraduados	General Health Condition in Forest Species of Three Parks in Mexico City: Crown Condition	(Forest Health in a Changing World)	Forest Health in a Changing World
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Moldova	VALERIU	CAISIN	ICAS CHISINAU	Forest condition monitoring in Republic of Moldova for the period 1993-2012	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
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Nepal	SANGITA	PANT	Central Department of Environmental Science, Tribhuvan University	Response of Pinus wallichiana to Climate Change: a Case Study from Manaslu Conservation Area (MCA), Western Nepal	232 Vegetation zone shifts in response to climate change	Forests and Climate Change
Nepal	Sunita	Ranabhat	Green Governance Nepal	Impact of forest management on carbon stock: A comparative study in the Sal (Shorea Robusta) Forests of Nepal.	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Nepal	Him Lal	Shrestha	Kathmandu University and ICIMOD	MODIS based forest fire burnt area assessment in Hind-Kush-Himalayan (HKH) region	138 Forests, fire and climate change dynamics	Forests and Climate Change
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Nepal	Ram Singh	Thapa	Department of Soil Conservation and Watershed Management, Kathmandu, Nepal	Contribution of Watershed Management Program to the Livelihoods of the Local People; A case study from Nepal	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People

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Nepal	Ram Singh	Thapa	Department of Soil Conservation and Watershed Management, Kathmandu, Nepal	Run off Harvesting Dam for Greenery, Income Diversity and Disaster Reduction; Case Study from Siwalik and Bhabar Region of Nepal	(Forest and Water Interactions)	Forest and Water Interactions
Nepal	Dharam Raj	Uprety	Multi Stakeholder Forestry Programme (MSFP),	Analyzing the potentiality and use of forest waste biomass in the production of clean energy in Nepal	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
Nepal	Dharam Raj	Uprety	Multi Stakeholder Forestry Programme (MSFP),	Building climate resilience communities by integrating community practices into the local planning process in Nepal	107 Forest management for adaptation to climate change	Forests and Climate Change
Nepal	Dharam Raj	Uprety	Multi Stakeholder Forestry Programme (MSFP),	Analysing of different community based forestry in relations to employment and local livelihood in Nepal	63 Forests and human wellbeing: Life satisfaction and behavioral approaches	Forests for People
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Netherlands	Bas	Arts	Wageningen University	How ideas, interests and institutions may block or further policy integration. An evaluation of the forest and agricultural sectors in Ghana	37 Achieving policy integration across fragmented domains: Forest policy perspectives	Forests for People
Netherlands	Tim	Brouwer	WUR/SLU/CGI	Low budget ranging for forest management	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
Netherlands	Sjerp	de Vries	Alterra/Cultural Geography, Wageningen UR	Peace and quiet please! Effects of visitor density on the mental restoration capacity of natural areas.	63 Forests and human wellbeing: Life satisfaction and behavioral approaches	Forests for People
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Netherlands	Wim	de Vries	Alterra, Wageningen University and Research centre	Impacts of acid deposition, ozone exposure and weather conditions on forest ecosystems in Europe derived from long-term monitoring	180 Air pollution as a factor affecting global forest health	Forest Health in a Changing World
Netherlands	Jacob	Douma	Centre for Crop Systems Analysis, Wageningen University	Probability of pest dissemination in Europe with imported wood products: a focus on pine wood nematode and oak wilt disease	172 Research on pathway risk management and phytosanitary policy to prevent invasions of forest insects and pathogens	Forest Health in a Changing World
Netherlands	Geerten	Hengeveld	Alterra	How fast can European forests adapt to climate change ?	107 Forest management for adaptation to climate change	Forests and Climate Change
Netherlands	Martin	Herold	Wageningen University	Assessing REDD+ performance and evolving monitoring needs	253. Complying with the IPCC Good Practice Guidance for tropical carbon stock inventories	Forests and Climate Change
Netherlands	Yousif	Hussin	University of Twente	Carbon mapping of regrowth in tropical rain forest using airborne Lidar data in Berau, East Kalimantan, Indonesia	117 Remote sensing in carbon balance evaluation and monitoring	Forests and Climate Change
Netherlands	Yousif	Hussin	University of Twente	Comparison of point clouds from 3D airborne image matching and airborne Lidar in mapping carbon or tropical rain forest in Indonesia	117 Remote sensing in carbon balance evaluation and monitoring	Forests and Climate Change

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Netherlands	Verina	Ingram	WUR & CIFOR	'No chop um, no kill um, but keep um': Moving Prunus africana from an endangered species to everyday tree in Cameroon?	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
Netherlands	Goossen	Martin	Alterra	Landscape preferences: Forest and diversity	209 From data to knowledge, geospatial tools and information access	Forests for People
Netherlands	Godefridus M.J. (Frits)	Mohren	Wageningen University	Multiple-use forest management strategies for mitigation and adaptation to climate change: the EU-FORMIT project	222 Forest management options to tackle climate change	Forests and Climate Change
Netherlands	Gert-Jan	Nabuurs	Alterra, Wageningen University and Research	European forests: facing the challenges of the coming 50 years	The future of our forests	Sub-plenary session
Netherlands	Gert-Jan	Nabuurs	Alterra, Wageningen University and Research	First signs of carbon sink saturation in European forest biomass: options for management	222 Forest management options to tackle climate change	Forests and Climate Change
Netherlands	Mart-Jan	Schelhaas	ALTERRA Research Institute, Wageningen	Risks for ecosystem services provisioning from natural disturbance: A European perspective.	Resilience of forest ecosystem services to changing disturbance regimes	Sub-plenary session
Netherlands	Mart-Jan	Schelhaas	ALTERRA Research Institute, Wageningen	future role of plantations in Europe	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future
Netherlands	Tanvir Ahmed	Shovon	Wageningen University	Evaluation of paradigm shift in forest management: co-managing anthropogenic threats	105 The social outcomes of community forestry: What do we know and how do we know it?	Forests for People
Netherlands	Han	van Dijk	Wageningne University	Dryland forest tenure, political conflict and gender dynamics in the Sahelian zone	91 Impact of tenure arrangements on forests, livelihoods and gender dynamics	Forests for People
Netherlands	Nathalie	Van Vliet	ONFI and CIFOR	A gender approach for the analysis of cultural and symbolic factors explaining diets (and animal protein consumption in particular) among urban families from Alto Salimões (Brazil) and Amazonas (Colombia)	90 Gender and forestry value chains	Forests and Forest Products for a Greener Future
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New Zealand	Eckehard	Brockerohoff	Scion (New Zealand Forest Research Insititute)	Allee Effects and the Establishment of Exotic Invasive Bark Beetles	172 Research on pathway risk management and phytosanitary policy to prevent invasions of forest insects and pathogens	Forest Health in a Changing World
New Zealand	Eckehard	Brockerohoff	Scion (New Zealand Forest Research Insititute)	Facilitating international trade and preventing forest pest invasions: Progress and the challenge ahead	172 Research on pathway risk management and phytosanitary policy to prevent invasions of forest insects and pathogens	Forest Health in a Changing World
New Zealand	Peter	Clinton	New Zealand Forest Research Insititute Ltd (Trading as Scion)	Manipulating forest soils for greater productivity: are there limits?	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
New Zealand	Peter	Clinton	New Zealand Forest Research Insititute Ltd (Trading as Scion)	Future expectations of Forest Soils	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future

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New Zealand	Tim	Payn	Scion	Integrating a Forest Ecosystem Services Finder in WEFES, a Web Based Explorer for Forest Ecosystem Services	209 From data to knowledge, geospatial tools and information access	Forests for People
New Zealand	Stefania	Pizzirani	Scion (Forest Research Institute, New Zealand)	A culturally focused life cycle sustainability assessment: Analysis of forestry value chain options with Māori land owners	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
New Zealand	Stefania	Pizzirani	Scion (Forest Research Institute, New Zealand)	Valuing recreation for New Zealand's planted forests: moving beyond traditional timber economics towards achieving multi-purpose forests	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People
New Zealand	Toni	Withers	Scion	An island down-wind of Australia has a unique experience of Eucalyptus pest biological control - the New Zealand story	166 Global approaches to the biological control of invasive Eucalyptus pests	Forest Health in a Changing World
New Zealand	Richard	Yao	SCION	The economic value of forest ecosystem services provided by New Zealand's planted forests	52 Ecosystem services provided by planted forests	Forest Biodiversity and Ecosystem Services
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Niger	Aïssa	AMADOU	Laboratory Garba Mounkaila of University Abdou-Moumouni	Diversification of Non Timber Forest Products plants in Torodi department and implications for species use policies in Niger (West Africa).	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People

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Nigeria	Ene	Abi	1Forestry Research Institute of Nigeria (FRIN)	Participation of Stakeholders in Community-Based Forestry in Cross River State, Nigeria	105 The social outcomes of community forestry: What do we know and how do we know it?	Forests for People
Nigeria	Gideon	Adedayo	Federal University of Technology Akure	Uses and Preferences of NTFPs among urban Households in Ado-Ekiti Metropolis, Ekiti State, Nigeria.	197 Forest resources assessment for non-wood forest products	Forests and Forest Products for a Greener Future
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Nigeria	Folashade Funmi	Adegoke	Forestry Research Institute of Nigeria	Effect of Seed Size and Source on Early Seedling Growth of Terminalia ivorensis (Chev.)	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
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Nigeria	Olaoluwa Adeniyi	Adegoke	Department of Wood and Paper Technology, Federal College of Forestry, P.M.B. 5087, Ibadan, Nigeria	Characterization of some Tropical Wood Species and their Pyrolytic Products	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy
Nigeria	OLUBUNMI	ADEJOH	FORESTRY RESEARCH INSTITUTE OF NIGERIA, P.M.B. 5054, JERICHO HILLS, IBADAN , OYO STATE, NIGERIA	GROWTH RESPONSE OF Moringa oleifera (LAM) SEEDLINGS TO ORGANIC AND INORGANIC FERTILIZERS ON AN ALFISOL IN SOUTH-WESTERN NIGERIA	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Nigeria	Victor	Adekunle	Federal University of Technology, Akure, Nigeria	THE ROLES OF PROTECTED AREAS TO BIODIVERSITY CONSERVATION AND CARBON STORAGE: CASE STUDY OF TWO DEVELOPING COUNTRIES	139 The future of ecosystem services from forests	Forest Biodiversity and Ecosystem Services
Nigeria	Victor	Adekunle	Federal University of Technology, Akure, Nigeria	WOOD HARVESTING RATE, POLICIES AND CULTURAL HAULAGE METHODS IN SOUTHWEST NIGERIA: IMPLICATION ON CARBON SEQUESTRATION	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
Nigeria	Emmanuel Adekanye	Adelusi	Department of Wood and Paper Technology, Federal College of Forestry, P.M.B. 5087, Ibadan, Nigeria	Effect of Production Variables on Physical and Mechanical Properties of Wood Waste Brick	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy
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Nigeria	Peter O.	Adesoye	University of Ibadan, Nigeria	Potentials of Canopy Stratification in Modeling Planted Forests in a Changing World: Application to Pine Plantations in Nigeria.	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
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Nigeria	Aladesanmi Daniel	Agbelade	Department of Forestry, Wildlife and Fisheries Management, Ekiti State University, P.M.B. 5363, Ado Ekiti, Ekiti State	Assessment of Tree Species Diversity and Growth Analysis of Trees Species in Igbo-Olodumare, Ondo State, Nigeria.	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Nigeria	Chukwuka	Agbor	Festry Research Institute of Nigeria	Women as agents of change in Tropical African environment: A case of Ondo State in Nigeria	90 Gender and forestry value chains	Forests and Forest Products for a Greener Future
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Nigeria	KEHINDE	AINA	SCIENTIST/FORESTRY RESEARCH INSTITUTE OF NIGERIA	Effect of Aluminum Trihydrate on Rheological properties of Wood Plastic Composites produced from <i>Eucalyptus</i> spp	258. Bio-based composite and engineered products from wood and non-wood forest resources	Forests and Forest Products for a Greener Future
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Nigeria	Oluyinka	Akintunde	Federal University of Agriculture, Abeokuta, Nigeria.	Valuation of Ecotourism Potentials of Olumo Rock, Abeokuta, Nigeria Using Travel-Cost Model Approach.	251 Integrating landscape protection, nature-based recreation and tourism, and rural development	Forests for People
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Nigeria	Adejoke	Akinyele	University of Ibadan	Effect of pre-treatment and sowing media on germination of <i>Tetrapleura tetraptera</i> (Schum. & Thonn) seeds	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Nigeria	Gabriel O	Akinyemi	Forestry Research Institute of Nigeria	Assessment of Public Appreciation of Forest Laws: A case of Eporo and Little Ose Forest Reserves of Ekiti State, Nigeria	42 Innovative forest and environmental legislation for better diversity	Forests for People

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Nigeria	Joyce	AMADI	Forestry Research Institute of Nigeria Ibadan, Nigeria	Micropropagation of Plukenetia conophora (MULL ARG) (walnut) using juvenile stem cuttings	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Nigeria	Stephen	Amiandamhen	Department of Forestry and Wildlife, University of Benin, Benin City, Nigeria	Flexural performance and dimensional stability of fibre cement boards made from Ceiba pentandra and Gmelina arborea wood dust	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
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Nigeria	Oluwayemisi Grace E.	Arowosoge	Department of Forestry, Wildlife and Fisheries Management	Rural People's Perception of Forest Resources Conservation in Ekiti State, Nigeria.	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
Nigeria	Israel Olatunji	Asinwa	Forestry Research Institute of Nigeria	Distribution and Densities of Vitellaria paradoxa C.F.Gaertn. and Parkia biglobosa (Jacq.) Benth in the Agro ecosystems of Oyo State, Nigeria	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Nigeria	Isreal, Olatunji	Asinwa	Forestry Research Institute of Nigeria	Effects of different pruning levels on the growth potential of Nauclea diderrichii (De Wild) Merr. Plantation	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Nigeria	Bola Monisola	Awosusi	Forestry Research Institute of Nigeria	Validation of five-non linear growth models for plantation grown Terminalia superba in Ibadan, Nigeria	(Forest Biomass and Bioenergy)	Forest Biomass and Bioenergy
Nigeria	Felix	AYA	UNIVERSITY OF CALABAR, CALABAR, NIGERIA	EFFECT OF DIFFERENT WATERING REGIMES ON GERMINATION AND EARLY SEEDLING GROWTH OF Irvingia gabonensis var gabonensis	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
Nigeria	Felix	AYA	UNIVERSITY OF CALABAR, CALABAR, NIGERIA	AMENITY FORESTRY AND ENVIRONMENTAL SUSTAINABILITY: THE EXAMPLE OF CALABAR BOTANIC GARDEN, CROSS RIVER STATE, NIGERIA	63 Forests and human wellbeing: Life satisfaction and behavioral approaches	Forests for People
Nigeria	Olubunmi Olumide	Ayodele	Forestry Research Institute of Nigeria	Synthesis and screening of heterogeneous catalysts for biodiesel production	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy

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Nigeria	Tolulope	Daramola	International Forestry Students Association (IFSA)	Assessment of Nitrogen Fertilization of a Managed Douglas-fir Forest Stand in the Pacific Northwest and the Application in sub-Saharan Africa.	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
Nigeria	Tolulope	Daramola	International Forestry Students Association (IFSA)	Opportunities for Climate Change Mitigation Through Afforestation and Reforestation of Degraded Lands in The Sub-Saharan Africa	71 Climate Change: A driver for land-use change and adaptive forest management on six continents	Forests and Climate Change
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Nigeria	JOHN	FAGBENRO	BOWEN UNIVERSITY, IWO, OSUN STATE, NIGERIA.	Effect of <i>Gliricidia sepium</i> Biochar and NPK 15:15:15 Inorganic Fertilizer on <i>Moringa oleifera</i> Seedlings Grown in an Oxisol	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
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Spain	María	Hernández-Rodríguez	University of Valladolid	Fungal production after fire in Pinus pinaster stands using classificatory models	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
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Spain	Jesús M.	Santamaría	LICA, Universidad de Navarra	Changes in forest biodiversity along a nitrogen pollution gradient	180 Air pollution as a factor affecting global forest health	Forest Health in a Changing World
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Sweden	Sara	Holmgren	Department of forest Products, Swedish University of Agricultural Sciences	Multi-level governance of forests in a changing climate: international influence on Swedish forest policy.	37 Achieving policy integration across fragmented domains: Forest policy perspectives	Forests for People
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Sweden	Bishnu	Poudel	Mid Sweden University	Forest management scenarios and their effects on ecosystem services: modelling results from Sweden	(Forests and Climate Change)	Forests and Climate Change
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Togo	Akouèthè	AGBOGAN	Laboratoire de Botanique et Ecologie Végétale, Université de Lomé	Quantitative ethnobotany of two edible fruit trees: <i>Sclerocarya birrea</i> (A.Rich.) Hochst. and <i>Lannea microcarpa</i> Engl. & K.Krause	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
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Togo	NARE	M'tékounm	Laboratory of Botany and Plants Ecology, Faculty of science, University of Lomé.	Management of wildlife in Sarakawa Parc in Togo: Connection between habitat and wildlife	Forest management for wildlife conservation	Forest Biodiversity and Ecosystem Services
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Togo	Aniko	POLO-AKPISSO	Laboratory of Botany and Plant Ecology/Faculty of Sciences/University of Lomé	Wildlife distribution according to habitat features within Oti-Kéran National Park (Togo)	Forest management for wildlife conservation	Forest Biodiversity and Ecosystem Services
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Tunisia	arbia	labidi ben slimane	INRGREF	Morphological variability and nutrient composition of Tunisian aromatic apiaceae <i>Magydaris pastinaceae</i> L. growing in the Northern Forest zones	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
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Uganda	Samson	Gwali	National Forestry Resources Research Institute	Folk classification and characterization of shea tree (Vitellaria paradoxa) in Uganda: Implications for its conservation and breeding	190 Value of traditional knowledge for sustainable forest management	Forests for People
Uganda	Arthur	Owiny	Makerere University Biological field station & University of Eastern Finland	DIFFERENCES IN COMMUNITIES OF TREES ALONG A TROPICAL FOREST RESTORATION GRADIENT, UGANDA	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
Ukraine	Tymur	Bedernichek	M.M. Gryshko National Botanical Garden	Impacts of various cutting systems in hornbeam-oak forests on quantity and quality of soil organic matter	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
Ukraine	Tymur	Bedernichek	M.M. Gryshko National Botanical Garden	Water Extractable Organic Carbon in Soil under Various Forest Management Scenarios	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
Ukraine	Pavlo	Bekhta	National University of Forestry & Wood Technology of Ukraine	Innovative Manufacturing Technology for Veneer-Based Products with Enhanced Surface Quality and Lowered Glue Consumption	258. Bio-based composite and engineered products from wood and non-wood forest resources	Forests and Forest Products for a Greener Future

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Ukraine	Petro	Lakyda	Professor, Director of Education and Research Institute of Forestry and Park Gardening, National University of Life and Environmental Sciences of Ukraine	Deposited Carbon in Ukrainian Forests: Current Stock and Midterm Forecast	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
Ukraine	Stryamets	Nataliya	Swedish university of agricultural sciences	Non-wood forest products in a context of sustainable forest management: case studies in Ukraine, Russia and Sweden	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
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Ukraine	Nataliia	Zarubina	Institute for Nuclear Research of National Academy of Sciences of Ukraine	Carrying out of remediation of forest soils with use of fruit bodies of the higher fungi	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services
Ukraine	Sergiy	Zibtsev	National University of Life and Environmental Sciences of Ukraine	Managing the irradiated forest of the Chernobyl Exclusion Zone for nature conservation, fire protection, and biomass fuel production	77 Radioactive contamination in forest ecosystems and safe uses of forest products	Forest Biodiversity and Ecosystem Services
Ukraine	Sergiy	Zibtsev	Associate professor, National University of Life and Environmental Sciences of Ukraine	Innovative Techniques to Suppress Wildfires in the Black Sea Region	110 Managing forest for fire in a changing climate	Forests and Climate Change
United Kingdom	Denis	Alder	Denis Alder Consulting	Review of a REDD baseline assessment and pilot study for carbon stock monitoring in Guyana	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
United Kingdom	Alessandro	Anav	University of Exeter	Can modeled and measured data interact to evaluate forest health condition?	8 Modeling as a tool for improving the knowledge on forest vulnerability and risk exposure in a changing world	Forest Health in a Changing World
United Kingdom	Hector F	Archila Santos	UNIVERSITY OF BATH	Cross laminated bamboo-Guadua panels for construction	258. Bio-based composite and engineered products from wood and non-wood forest resources	Forests and Forest Products for a Greener Future
United Kingdom	Nadia	Barsoum	Forest Research	Increasing the adaptation potential of native tree species to climate change	247 Oak regeneration to maintain biodiversity around the world	Forest Biodiversity and Ecosystem Services
United Kingdom	Nadia	Barsoum	Forest Research	Multitaxon responses to a 'diversification' in the composition of forest stands as an adaptation measure to global environmental change	52 Ecosystem services provided by planted forests	Forest Biodiversity and Ecosystem Services
United Kingdom	Debbie	Bartlett	University of Greenwich	The coppice industry in South East England: the tension between new market opportunities and socio-economic barriers to development	113 Coppice forests - a tradition with future	Forests for People
United Kingdom	Aoife	Bennett-Curry	CIFOR/Oxford University	Regional interpretations of Peru's national land tenure law: A missed opportunity for forest conservation and livelihoods	16 Reforming forest tenure and governance for mitigating climate change and improving people's livelihoods	Forests for People

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United Kingdom	Euan	Bowditch	University of the Highlands & Islands	Walking the Land: Building an Ecosystem Approach in the Highlands & Islands by connecting cultural drivers with woodland expansion interests	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
United Kingdom	Richard	Bradshaw	University of Liverpool	Novel ecosystems resulting from altered fire regimes	19 Novel Ecosystems and intervention: Adaptation to climate change	Forests and Climate Change
United Kingdom	Oliver	Bridle	Radcliffe Science Library, University of Oxford	Maintaining Forestry Archives for the Future	209 From data to knowledge, geospatial tools and information access	Forests for People
United Kingdom	Jeffery	Burley	Past-President, IUFRO	Research responses to major forestry and forest products challenges over the past quarter century	Historical responses of research to global forestry issues	Sub-plenary session
United Kingdom	David	Edwards	Forest Research. Centre for Ecosystems, Society and Biosecurity	Forest recreation monitoring in Great Britain: lessons learned and future directions	103 The future of recreation in forests and other nature areas	Forests for People
United Kingdom	Hugh	Evans	Forest Research	Overview of Forest Insect and Pathogen Invasion Pathways and Consequences	Stemming invasions of forest insects and pathogens: Research supporting pathway risk management and phytosanitary policy	Sub-plenary session
United Kingdom	Stuart	Fraser	University of Aberdeen	Variation in Susceptibility of Scots and Lodgepole Pine Provenances to Infection by Dothistroma septosporum	135 Multiple risk management in planted forests	Forest Health in a Changing World
United Kingdom	Peter	Freer-Smith	Forest Research	The impacts of pests and diseases on future delivery of ecosystem services	Biodiversity and ecosystem services in planted forests	Sub-plenary session
United Kingdom	Rosa	Goodman	University of Leeds	The importance of tree crowns and implications for forest carbon stocks in southwestern Amazonia	74 Advances in forest carbon measurements and monitoring for building REDD+ MRV systems	Forests and Climate Change
United Kingdom	peter	hobson	Writtle College	Identifying potential tipping points in forest ecosystems using vegetation function traits and microclimatic indicators	75 Adaptive forest management under climate change – networking from local to global scales in the temperate zones	Forests and Climate Change
United Kingdom	Florin	Ioras	Buckinghamshire New University	Forest Fire: Reshaping forest ecosystems in Bosnia Herzegovina	42 Innovative forest and environmental legislation for better diversity	Forests for People
United Kingdom	Tommaso	Locatelli	School of GeoSciences, University of Edinburgh	Uncertainty and Sensitivity Analyses: can model structure be improved? The case of the Wind-Risk model ForestGALES	8 Modeling as a tool for improving the knowledge on forest vulnerability and risk exposure in a changing world	Forest Health in a Changing World
United Kingdom	Andrew	Madigan	University of Aberdeen, Department of Plant and Soil Science	Does Hymenoscyphus pseudoalbidus, the causal agent of ash dieback in Europe, infect other hardy members of the Oleaceae?	102 Emerging invasive forest pathogens	Forest Health in a Changing World
United Kingdom	Abu	Mahmood	PhD Candidate, Geography Department, Durham University	Vegetation dynamics and forest degradation monitoring for REDD+: the case for the world largest mangrove	81 Tropical forest wetlands, climate, and land-use change: Adaptation and mitigation opportunities	Forests and Climate Change
United Kingdom	Rebecca	Mant	UNEP-WCMC	Assessing potential biodiversity impacts of policies that address drivers of deforestation to achieve REDD+ objectives	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
United Kingdom	Bill	Mason	Forest Research	Use of Continuous Cover Forestry enhances delivery of ecosystem services and adaptation to climate change in Sitka spruce planted forests.	79 Sustainable management of spruce dominated ecosystems in response to climate change	Forests and Climate Change

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United Kingdom	Constance	McDermott	Environmental Change Institute, University of Oxford	Forest Footprints and the Implications for Equity in Forest Governance	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
United Kingdom	Paul	McLean	Forest Research	The economics of product quantity vs product quality in Great Britain's forest resource	41 Intensive or ecosystem-based forest management – impact on yield, wood quality and economic return?	Forests and Forest Products for a Greener Future
United Kingdom	Lucía	Morales	School of Environment, Natural Resources and Geography, Bangor University	Assessing the drivers of forest degradation and forest change in tropical dry forest landscapes: a case study in Western Mexico.	193 From understanding drivers to gaining leverage at the tropical forest margins: 20 years of ASB Partnership	Forests and Climate Change
United Kingdom	Lucía	Morales	School of Environment, Natural Resources and Geography, Bangor University	Towards an understanding of shifting cultivation systems as a form of forest degradation	(Forests and Climate Change)	Forests and Climate Change
United Kingdom	Anatoliy	Nijnik	Environmental Network Ltd	Analysing experts' opinion regarding opportunities and challenges of tackling deforestation in the tropics	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
United Kingdom	Maria	Nijnik	The James Hutton Institute	Valuation of ecosystem services: an experience from Scotland	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
United Kingdom	Maria	Nijnik	The James Hutton Institute	Towards sustainable forestry development in European mountain regions	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services
United Kingdom	Maria	Nijnik	The James Hutton Institute	Economic considerations of carbon capture and storage in Scottish forests	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
United Kingdom	Catherine	norris	writtle college	Developing indicators of thermodynamic function in temperate forest ecosystems	(Forests and Climate Change)	Forests and Climate Change
United Kingdom	Andreas	Ottitsch	University of Cumbria	Biomass energy supply chains in Europe – are we burning the house we live in?	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
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United Kingdom	Gillian	Petrokofsky	University of Oxford	Bringing the science back into literature reviews of science	209 From data to knowledge, geospatial tools and information access	Forests for People
United Kingdom	Chris	Quine	Forest Research	Ecosystem services of UK woodlands: downscaling scenarios and assessments from national to landscape scale	52 Ecosystem services provided by planted forests	Forest Biodiversity and Ecosystem Services

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United Kingdom	Onjamirindra Sarobidy	Rakotonarivo	School of Environment, Natural Resources and Geography, Bangor University, Wales, United Kingdom	Coercive forest conservation in least developed countries: What are the true local welfare costs?	63 Forests and human wellbeing: Life satisfaction and behavioral approaches	Forests for People
United Kingdom	Onjamirindra Sarobidy	Rakotonarivo	Bangor University	REDD+ benefit sharing mechanism: Enhancing or reducing equity in representation? Learning from the Tanzanian community carbon enterprise model	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
United Kingdom	Arbi James	Sarkissian	Bangor University	Institutions and Natural Resource Management: Exploring Payments for Ecosystem Services (PES) in the context of decentralised native tree planting in Lebanon	139 The future of ecosystem services from forests	Forest Biodiversity and Ecosystem Services
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United Kingdom	Melanie	Smith	Inverness College, University of the Highlands and Islands	Applying the principles of the Model Forest approach: a case study from the Highlands and Islands of Scotland	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
United Kingdom	Grace Iara	Souza	King's College London	"Whose human security are you talking about?" Local voices from a global common: Perceptions of the Brazilian Amazon	Social sustainability of forest resource use	Forests for People
United Kingdom	Bhaskar	Vira	University of Cambridge	Social and economic considerations relevant to REDD+	46 Understanding the relationships among biodiversity, carbon, and people for REDD+ forests: The importance of environmental and social safeguards	Forests and Climate Change
United Kingdom	Bhaskar	Vira	University of Cambridge	Socio-economic and policy issues of climate change for forests in Asia	71 Climate Change: A driver for land-use change and adaptive forest management on six continents	Forests and Climate Change
United Kingdom	Joan	Webber	Forest Research	Wider Consequences of Introduced Forest Pathogens to Society in the UK	15 Societal impacts of invasive forest pathogen and pests	Forest Health in a Changing World
United Kingdom	Jenny	Wong	Wild Resources Ltd	Domestic firewood supply in Wales	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
United Kingdom	Jenny	Wong	Wild Resources Ltd	Greening the economies of health in Africa	162 Greening society and non-wood forest product commercialisation: assessing the environmental, economic and social trade-offs	Forests and Forest Products for a Greener Future
United Kingdom	Steve	Woodward	University of Aberdeen	Alien invasive threats to UK forests: a reassessment in the wake of ash dieback	102 Emerging invasive forest pathogens	Forest Health in a Changing World
United States	Kamran	Abdollahi	Southern University	Urban Forest Tree Species Diversity and Its Impact on Air Pollution Removal Capacity	145 Urban forest diversity and ecosystem services	Forest Biodiversity and Ecosystem Services
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United States	Timothy	Albaugh	North Carolina State University	Examining native and exotic Pinus taeda plantation spacing, resource availability and varietal effects using crown ideotypes	(Forest Biomass and Bioenergy)	Forest Biomass and Bioenergy
United States	Craig D.	Allen	USGS	Report from the Global Frontlines: Does Climate Change During this Century Imperil All Historic Forests Across Planet Earth?	83 Boreal at risk: Integrative science as a strong foundation for public policy development	Forests and Climate Change
United States	Mark	Ambrose	North Carolina State University	From local to national: Mining and transformation of local urban forest inventory data for use in national-scale monitoring and assessments	191 Monitoring emerging threats to forest health in North America across regional to national scales	Forest Health in a Changing World
United States	Lord	Ameyaw	University of Washington	Assessing cultural ecosystem services and their association with other ecosystem services in research forest in the western Cascade Mountains, of Washington, USA.	52 Ecosystem services provided by planted forests	Forest Biodiversity and Ecosystem Services
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United States	Christopher	Anderson	Auburn University	The effect of land use change on the ecosystem services provided by headwater wetlands in Alabama	127 Land Use/Land Cover Change and hydroecology: Consequences at variable spatial scales.	Forest and Water Interactions
United States	Jon	Anderson	Engility-IRG	Managing leftovers: Does community forestry increase secure and equitable access to resources?	105 The social outcomes of community forestry: What do we know and how do we know it?	Forests for People
United States	Nathaniel	Anderson	US Forest Service	Economics and logistics of forest biomass supply: Integrated supply chain research to reduce costs, increase value and quantify uncertainty	Energy from trees: Technology, opportunities, and challenges	Sub-plenary session
United States	Paul	Anderson	USDA Forest Service	Streamside buffers moderate effects of forest thinning on riparian microclimates and stream temperatures in western Oregon, USA	238 Sustaining riparian biodiversity and ecosystem services in a changing climate	Forest and Water Interactions
United States	Krister	Andersson	University of Colorado at Boulder	More Trees, Less Poverty? The Socioeconomic Impact of Tree Plantations in Chile	63 Forests and human wellbeing: Life satisfaction and behavioral approaches	Forests for People
United States	Steve	Andringa	Yakama Nation.	Anchor Forests [full title pending]	39 American Indian forestry	Forests for People
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United States	Alba	Argerich	Oregon State University	Aquatic responses to forest disturbances: stream chemistry from USFS Experimental Forests	86 Role of disturbance in maintaining and stimulating aquatic biological diversity in temperate forest ecosystems	Forest and Water Interactions
United States	James	Arney	Forest Biometrics Research Institute	The Forest Projection and Planning System (FPS)	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
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United States	Matthew	Ayres	Dartmouth College	Consequences of climate change for biotic disturbances in North American forests	94 Changes in distributional ranges in a changing world	Forest Health in a Changing World
United States	Robert	Bailis	Yale School of Forestry and Environmental Studies	The Global Footprint of Traditional Woodfuels: a Spatially Explicit Assessment of Supply, Demand, and Sustainability	Energy from trees: Technology, opportunities, and challenges	Sub-plenary session
United States	Jamie	Barbour	US Forest Service	Balancing Landowner Objectives, Society's Desire for Ecological Sustainability, and Wood Quality in the United States	41 Intensive or ecosystem-based forest management – impact on yield, wood quality and economic return?	Forests and Forest Products for a Greener Future
United States	Jamie	Barbour	US Forest Service	Co-Management of Government-Owned Lands: Lessons from Across the Globe	239 Establishing social institutions for co-management of public forest lands	Forests for People
United States	Michael	Battaglia	USFS Rocky Mountain Research Station	Mastication effects on fuels, plants, and soils in four western U.S. ecosystems: trends with time-since-treatment	110 Managing forest for fire in a changing climate	Forests and Climate Change
United States	Tessa	Bauman	Auburn University	Fungal associates of the pine-infesting bark beetle <i>Dendroctonus approximatus</i> in Mexico and Central America	34 The co-evolution of insects and fungi that form symbiotic relationships and kill forest trees	Forest Health in a Changing World
United States	Tessa	Bauman	Auburn University	<i>Pinus taeda</i> roots represent a suitable host substrate for developing <i>Hylastes</i> spp. of bark beetles in Alabama, US	135 Multiple risk management in planted forests	Forest Health in a Changing World
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United States	Colden	Baxter	Idaho State University	Toward a spatial ecology of stream-riparian food webs to inform riparian management that will sustain biodiversity	238 Sustaining riparian biodiversity and ecosystem services in a changing climate	Forest and Water Interactions
United States	Colden	Baxter	Idaho State University	The role of wildfire in stream-riparian ecosystems: a synthesis from Idaho's Salmon River basin with forest management applications	86 Role of disturbance in maintaining and stimulating aquatic biological diversity in temperate forest ecosystems	Forest and Water Interactions
United States	Dennis R	Becker	University of Minnesota	Community Wood Energy Handbook and Computer App	227 Knowledge exchange and communication of forest research for human and community well-being	Forests for People
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United States	Tom	Black	US Forest Service	The Relationship Between Forest Roads and Aquatic Habitat Conditions in Western Montana, USA	36 Impacts of forest roads on water resources and aquatic habitat	Forest and Water Interactions
United States	Tom	Black	US Forest Service	Monitoring the Hydrologic and Geomorphic Effects of Forest Road Decommissioning and Road Improvements	36 Impacts of forest roads on water resources and aquatic habitat	Forest and Water Interactions
United States	Jock	Blackard	US Forest Service	Comparing alternatives for intensifying sampling intensity in forest inventories	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
United States	Elizabeth	Blanchard	University of Cambridge	Interrogating Safeguards for Jurisdictional REDD+: A Study of Overseas Jurisdictional REDD+ Offsets in California's Global Warming Solutions Act	46 Understanding the relationships among biodiversity, carbon, and people for REDD+ forests: The importance of environmental and social safeguards	Forests and Climate Change
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United States	Antra	Boca	Utah State University	Foliage and root contribution to SOC pools in Utah forest soils.	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
United States	Barbara	Bomfim	University of California Davis	COMPARISON OF METHODOLOGIES FOR QUANTIFYING DEFORESTATION: A STUDY CASE OF CHICO MENDES RESEX, BRAZILIAN AMAZON	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Barbara	Bomfim	University of California Davis	The impacts of selective logging on litter input, soil carbon and nutrient stocks, in the Brazilian Amazon	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
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United States	Luigi	Boschetti	University of Idaho	REDD+ and Wildland Fires: the contribution of satellite observation systems.	74 Advances in forest carbon measurements and monitoring for building REDD+ MRV systems	Forests and Climate Change
United States	Janice	Bossart	Southeastern Louisiana University	Indigenous forest reserves: conservation of forest butterfly biodiversity in small forest patches.	189 Linking landscape, forests and people: The historical roots of biocultural diversity	Forests for People

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United States	Don	Bragg	USDA Forest Service, Southern Research Station	Specific gravity-driven southern pine silviculture: an opportunity to improve ecosystem services and multifunctional forests	41 Intensive or ecosystem-based forest management – impact on yield, wood quality and economic return?	Forests and Forest Products for a Greener Future
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United States	Gabriela	Bueno	University of Massachusetts Boston	Can Policy Learning Improve Strategic Insights for Practitioners and Policy Makers? Lessons from collaborative research on legality verification in Brazil	Policy learning for multi-level governance	Sub-plenary session
United States	Catherine	Bukowski	Virginia Tech	Community Food Forests in the United States: What environmental and social benefits do they provide? Who is using them and why?	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
United States	Steve	Bullard	Stephen F. Austin State University	Comprehensive Curriculum Revision 101	131 Forestry education serving science and practice	Forests for People

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United States	Michael	Bunnell	Brigham Young University	Forest diversity and patterns of spruce survival following a spruce beetle epidemic	79 Sustainable management of spruce dominated ecosystems in response to climate change	Forests and Climate Change
United States	Julia	Burton	Department of Forest Ecosystems and Society, Oregon State University	Multi-scale spatial controls of understory vegetation in Douglas-fir – western hemlock forests of western Oregon, USA	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
United States	Brett	Butler	USDA Forest Service	Family Forest Ownership Research in the United States: Past, Present, and Future.	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
United States	John	Butnor	USDA Forest Service	Integrating methodologies to quantify stand-level belowground biomass	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
United States	Andrzej	Bytnerowicz	USDA Forest Service	Ozone changes and impacts in North American forests	14 Ozone and forest health	Forest Health in a Changing World
United States	Andrzej	Bytnerowicz	USDA Forest Service	Update on impacts of air pollution and climate change on the Carpathian forests	180 Air pollution as a factor affecting global forest health	Forest Health in a Changing World
United States	Zhen	Cai	University of Missouri	Corporate Social Responsibility in the Wood Products Industry: US and Chinese Consumers' Perspective	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
United States	Philip	Cannon	US Forest Service	The impact of different strains of Puccinia psidii on Hawaii's Ohia (Metrosideros polymorpha).	102 Emerging invasive forest pathogens	Forest Health in a Changing World
United States	Eric	Carbaugh	Virginia Tech	Effect of silvicultural intensity and spacing on crown architecture of four loblolly pine clones	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future
United States	Emily	Carter	Southern Research Station USFS	Soil Impacts and Forest Operations in Southeastern USA	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
United States	Vachel	Carter	University of Utah	Disturbance History of the Medicine Bow Range, Wyoming, Using Historical Documents, Contemporary Forest Inventory, and Lake Sediment Cores	189 Linking landscape, forests and people: The historical roots of biocultural diversity	Forests for People
United States	Benjamin	Cashore	School of Forestry & Environmental Studies; Yale University/US	The Role of Policy Learning in Shaping Pathways of Influence: Lessons from Multi-level Forest Governance for Designing an Effective Learning Architecture	Policy learning for multi-level governance	Sub-pleinary session
United States	John	Castello	SUNY, College of Environmental Science & Forestry	Toward a global index of forest structural sustainability and health	8 Modeling as a tool for improving the knowledge on forest vulnerability and risk exposure in a changing world	Forest Health in a Changing World
United States	James	Chamberlain	USDA Forest Service	Integrating Forest Foods and Medicines into Sustainable Forest Management	Forest foods, medicines and human health	Sub-pleinary session
United States	James	Chamberlain	USDA Forest Service	Co-Managing Appalachian Hardwood Forests for Timber and Non-Timber Products	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
United States	James	Chamberlain	USDA Forest Service	A National Assessment of Non-Timber Forest Products: Prospects for improving the reporting of volumes and values of these products	197 Forest resources assessment for non-wood forest products	Forests and Forest Products for a Greener Future
United States	Jeanne	Chambers	US Forest Service, RMRS	Resilience to Disturbance and Management Treatments and Resistance to Invasive Annual Plants in Sagebrush and Piñon Pine/Juniper Ecosystems	170 Long-term forest research on forest ecosystem management	Forest Biodiversity and Ecosystem Services

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United States	Hou-min	Chang	North Carolina State University	Phenolation of Kraft Lignin catalyzed by Boron Trifluoride	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy
United States	Susan	Charnley	USDA Forest Service	The Social Outcomes of Community Forestry in the STEWARD Project Area of West Africa: Methods, Results, Challenges	105 The social outcomes of community forestry: What do we know and how do we know it?	Forests for People
United States	Gary	Chastagner	Washington State University	Neonectria-canker on true fir in western USA	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
United States	Jiquan	Chen	University of Toledo	Coupled Human and Environment at Landscape and Regional Scales: Renewed Challenges for the Societies	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
United States	Jeffrey	Chieppa	Auburn University	Interaction of altered tropospheric ozone concentrations with loblolly pine decline	14 Ozone and forest health	Forest Health in a Changing World
United States	Cindy	Chojnacky	Private consultant	What Institutional Theory—"the way we do things"—can tell us about behavior of natural resources institutions	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
United States	David	Chojnacky	Virginia Tech	Estimating tree canopy-cover growth in redeveloped urban residential lots in Falls Church, Virginia USA	145 Urban forest diversity and ecosystem services	Forest Biodiversity and Ecosystem Services
United States	David	Chojnacky	Virginia Tech	Designing tropical forest NFI for sampling carbon and forest diversity: optimum plot size and shape	170 Long-term forest research on forest ecosystem management	Forest Biodiversity and Ecosystem Services
United States	Woodam	Chung	University of Montana	Forest Operations Engineering and Management Achievements and Perspectives - The COFE view	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
United States	David	Cleaves	USDA Forest Service	Climate Adaptation and Forest Management: the US Forest Service Perspective	107 Forest management for adaptation to climate change	Forests and Climate Change
United States	Warren	Cohen	USDA Forest Service, Pacific Northwest Research Station	Characterizing Uncertainty in Forest Disturbance Maps Derived from Landsat Time Series	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Warren	Cohen	USDA Forest Service, Pacific Northwest Research Station	An Historically Consistent and Broadly Applicable MRV System Based on Lidar Sampling and Landsat Time-series	(Forests and Climate Change)	Forests and Climate Change
United States	Adam	Collins	Los Alamos National Lab	Response of pinon and juniper respiration to drought and warming	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
United States	Susan	Conard	US Forest Service, Fire Research Laboratory	Challenges and pitfalls in quantifying the interactions between fire and changing climate in the boreal zone	138 Forests, fire and climate change dynamics	Forests and Climate Change
United States	Lafe	Conner	Brigham Young University	Growing season patterns of soil respiration in aspen forests and subalpine meadows: influence of snowpack and timing of melt	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
United States	Anna	Conrad	Dept. of Plant Pathology, The Ohio State University	FT-IR spectroscopy identifies coast live oak resistant to Phytophthora ramorum before infection	15 Societal impacts of invasive forest pathogen and pests	Forest Health in a Changing World
United States	Marco	Contreras	University of Kentucky	Optimizing the selection of individual tree in thinning treatments to reduce crown fire potential	164 Precision land-use management - state and perspectives	Forests and Forest Products for a Greener Future

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United States	Marco	Contreras	University of Kentucky	Quantifying potential benefits of implementing computer generated skid-trail networks	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
United States	Lucy	Cooper	University of Idaho	Changes in forest insect community structure following pre-commercial thinning for biofuel production	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
United States	Ken	Cordell	US Forest Service	The Future of Outdoor Recreation, Society and Forests in the United States	Forests for people: Ecosystem services under pressure?	Sub-plenary session
United States	John	Coulston	USDA Forest Service	Relative contributions of land use and land cover change to forest carbon stock change	248 National forest sector greenhouse gas inventories following IPCC guidance and guidelines: Requirements, methods, and national examples	Forests and Climate Change
United States	John	Coulston	USDA Forest Service	Ensemble approaches to the nearest neighbor problem	49 Using multi-source remotely sensed data and nearest neighbor techniques to improve inference for natural resource applications.	Forests and Climate Change
United States	Cody	Cox	Auburn University	Using Public Participation Geographic Information Systems (PPGIS) to Identify and Bundle Ecosystem Services to Enhance Conservation Efficiency	209 From data to knowledge, geospatial tools and information access	Forests for People
United States	David	Coyle	University of Georgia	Belowground herbivory in red pine stands initiates a cascade that increases abundance of Lyme disease vectors	135 Multiple risk management in planted forests	Forest Health in a Changing World
United States	David	Coyle	University of Georgia	Abiotic and biotic factors influencing pine health in Georgia and Alabama	184 Forest health in changing landscapes: The roles of landscape patterns	Forest Health in a Changing World
United States	Janean	Creighton	Oregon State University	A Systematic, Evidence-Based Review of Key Issues Facing Oregon Family Forest Owners	227 Knowledge exchange and communication of forest research for human and community well-being	Forests for People
United States	Nicholas	Crookston	USDA Forest Service	Considering climate change: Growth and yield forecasting using Climate-FVS	Modeling and simulation systems	Forests and Climate Change
United States	Nicholas	Crookston	USDA Forest Service	The R package yalmpu supports several approaches to solving the k-NN imputation problem. The package has been credited with making the	49 Using multi-source remotely sensed data and nearest neighbor techniques to improve inference for natural resource applications.	Forests and Climate Change
United States	Janae	Csavina	NEON	Uncertainty in an uncertain world: Using scientific judgment for evaluating uncertainty in measurement results.	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Tamara	Cushing	Clemson University	Integrating forestry capstone curriculums: preparing today's students to be tomorrow's forest managers through education in sustainability and certification	131 Forestry education serving science and practice	Forests for People
United States	Tamara	Cushing	Clemson University	An international examination of tax and accounting rules and the impact on forest land ownership	(Forests for People)	Forests for People
United States	Virginia	Dale	Oak Ridge National Laboratory	Opportunities to Design Sustainable Bioenergy Systems	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
United States	Paul	Dallara	Dept. Entomology, UC-Davis	Life History of the Walnut Twig Beetle, <i>Pityophthorus juglandis</i> , in California and Utah	34 The co-evolution of insects and fungi that form symbiotic relationships and kill forest trees	Forest Health in a Changing World

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United States	Robert	Danehy	NCASI	Natural and anthropogenic disturbance influences on aquatic biological diversity in Western Oregon	86 Role of disturbance in maintaining and stimulating aquatic biological diversity in temperate forest ecosystems	Forest and Water Interactions
United States	Cecilia	Danks	University of Vermont	Decision Support for Sustainable, Community-Based, Wood Biomass Energy for Heating	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
United States	Deborah	Davenport	Georgia State University	Forests, Carbon and People: The Unmeasurable in Search of the Unattainable?	46 Understanding the relationships among biodiversity, carbon, and people for REDD+ forests: The importance of environmental and social safeguards	Forests and Climate Change
United States	Sandra	De Urioste-Stone	University of Maine	Understanding Perceptions of Nature-based Tourism Adaptive Capacity to Climate Change in Maine	103 The future of recreation in forests and other nature areas	Forests for People
United States	Robert L.	Deal	USDA Forest Service, PNW Research Station	Managing plantations worldwide to benefit forest biodiversity and enhance ecosystem services	52 Ecosystem services provided by planted forests	Forest Biodiversity and Ecosystem Services
United States	Robert L.	Deal	USDA Forest Service, PNW Research Station	Valuing and Bundling Ecosystem Services in a Progressive New Zealand Catchment	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
United States	Jennifer	Dean	New York Natural Heritage Program	Managing and sharing forest pest data through iMapInvasives	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
United States	Cornelis	DeHoop	Louisiana State University Agricultural Center	Forest Landowner Perceptions of Prescribed Burning in Louisiana, USA	227 Knowledge exchange and communication of forest research for human and community well-being	Forests for People
United States	Robert	DeRose	USFS Rocky Mountain Research Station	Using Inventory-based Tree-ring Data as a Proxy for Historical Climate: Investigating the Pacific Decadal Oscillation and Teleconnections	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
United States	Yvette	Dickinson	Colorado State University	Achieving "groupy-clumpy" in restoration projects: Innovative silviculture and monitoring in the Front Range Collaborative Forest Landscape Restoration Project	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
United States	Yvette	Dickinson	Colorado State University	The first four years of a collaborative forest landscape restoration project on Colorado's Front Range: successes and lessons learned	239 Establishing social institutions for co-management of public forest lands	Forests for People
United States	Michael	Dockry	USDA Forest Service	The indigenous roots of the 1996 Bolivian Forestry Law and implications for the decline in forestry certification	101 Transitions to sustainable forest management: Economic, social and cultural parameters	Forests for People
United States	Michael	Dockry	USDA Forest Service	Sustainable forest management within the context of ecological change: Community perspectives and challenges from the Menominee Tribe of Indians of Wisconsin	39 American Indian forestry	Forests for People
United States	Grant	Domke	USDA Forest Service	The effect of varying estimation procedures on downed dead wood carbon stock estimates using the national forest inventory of the United States	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Grant	Domke	USDA Forest Service	Exploring options for the estimation of forest carbon stocks from 1990 to the present using the national forest inventory of the United States	(Forests and Climate Change)	Forests and Climate Change
United States	Charles	Driscoll	Syracuse University	Development of critical loads for acid-impaired lake-watersheds in the Adirondack region of New York	85 Critical loads for nutritional nitrogen deposition: Progress and problems	Forest Health in a Changing World

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United States	Nicklos	Dudley	Hawaii Ag Research Center	Developing Wilt Resistant Acacia koa For restoration and Reforestation in Hawaii	15 Societal impacts of invasive forest pathogen and pests	Forest Health in a Changing World
United States	Kasten	Dumroese	U.S. Forest Service	Role of assisted migration in forest ecosystems on the cusp of change	19 Novel Ecosystems and intervention: Adaptation to climate change	Forests and Climate Change
United States	Kelsey	Dunnell	North Dakota State University	Variation in resistance of Populus nigra within and among provenances to Septoria musiva	160 Genomics and biotechnology for improvement of woody energy crops	Forest Biomass and Bioenergy
United States	Kathleen	Dwire	USDA Forest Service Rocky Mountain Research Station	Fuels and fuel-reduction treatments in riparian conifer forests: challenges of maintaining streamside and aquatic habitats	238 Sustaining riparian biodiversity and ecosystem services in a changing climate	Forest and Water Interactions
United States	Gregory	Dwyer	University of Chicago	Natural selection, host-pathogen interactions, and insect outbreaks	153 Consequences of changing trophic interactions on forest insect population dynamics	Forest Health in a Changing World
United States	Lori	Eckhardt	Forest Health Dynamics Laboratory, School of Forestry and Wildlife Sciences, Auburn University	Variation in resistance of Pinus taeda families against root infecting fungi	34 The co-evolution of insects and fungi that form symbiotic relationships and kill forest trees	Forest Health in a Changing World
United States	Lori	Eckhardt	Forest Health Dynamics Laboratory, School of Forestry and Wildlife Sciences, Auburn University	Thinning and fertilization effects on the populations of Hylastes species and associated ophiostomatoid fungal species in Pinus taeda stands	34 The co-evolution of insects and fungi that form symbiotic relationships and kill forest trees	Forest Health in a Changing World
United States	Lori	Eckhardt	Forest Health Dynamics Laboratory, School of Forestry and Wildlife Sciences, Auburn University	Taxonomy and population biology of Grosmannia huntii sensu lato	34 The co-evolution of insects and fungi that form symbiotic relationships and kill forest trees	Forest Health in a Changing World
United States	Lori	Eckhardt	Forest Health Dynamics Laboratory, School of Forestry and Wildlife Sciences, Auburn University	Two new ophiostomatoid species isolated from soil on snouts of feral hogs damaging pine roots in Georgia, USA	94 Changes in distributional ranges in a changing world	Forest Health in a Changing World
United States	Karin	Eklöf	Penn State University	Effects of forestry on mercury runoff in catchment-scale studies in Sweden	(Forest and Water Interactions)	Forest and Water Interactions
United States	Karin	Eklöf	Penn State University	Fate and transport of mercury in watersheds: Hot-spots and hot-moments in Pennsylvanian watersheds	(Forest and Water Interactions)	Forest and Water Interactions
United States	Joseph	Elkinton	University of Massachusetts	Introduced Tachinids Explain Decline of Browntail Moth in North America	94 Changes in distributional ranges in a changing world	Forest Health in a Changing World
United States	Joseph	Elkinton	University of Massachusetts	WINTER MOTH: BIOLOGICAL CONTROL AND POPULATION DYNAMICS IN THE NORTHEASTERN UNITED STATES	(Forest Health in a Changing World)	Forest Health in a Changing World
United States	William	Elliot	USDA Forest Service	Targeting Forest Management through Fire and Erosion Modeling	110 Managing forest for fire in a changing climate	Forests and Climate Change
United States	Marla R.	Emery	USDA Forest Service	Food security, food sovereignty, and urban forests	Forest foods, medicines and human health	Sub-plenary session

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United States	Marla R.	Emery	USDA Forest Service	Balancing subsistence and commercialization: Perspectives from North American indigenous peoples' experience	162 Greening society and non-wood forest product commercialisation: assessing the environmental, economic and social trade-offs	Forests and Forest Products for a Greener Future
United States	Rebecca	Epanchin-Niell	Resources for the Future	Designing cost-effective inspection programs and phytosanitary policy for reducing pest risk from live plant imports	172 Research on pathway risk management and phytosanitary policy to prevent invasions of forest insects and pathogens	Forest Health in a Changing World
United States	Jim	Erickson	Fire Technical Specialist	Fulfilling the Promise of the Tribal Forest Protection Act.	39 American Indian forestry	Forests for People
United States	Robert	Erickson	Univ. of Minnesota	An Engineered Wood Composite Pole Of Superior In-Service Performance At A Commanding Price.	258. Bio-based composite and engineered products from wood and non-wood forest resources	Forests and Forest Products for a Greener Future
United States	Robert	Erickson	Univ. of Minnesota	Drying Dimension Lumber--Winning The Game Without Breaking The Rules	87 Innovation in the forest sector: maximizing the sector's competitiveness	Forests and Forest Products for a Greener Future
United States	Akif	Eskalen	University of California Riverside	Fusarium dieback and its ambrosia beetle (Coleoptera: Scolitinae) vector: A generalist disease/pest complex threatening agricultural and natural landscapes in California	34 The co-evolution of insects and fungi that form symbiotic relationships and kill forest trees	Forest Health in a Changing World
United States	Bianca	Eskelson	Oregon State University	Effects of residential development on forest attributes	145 Urban forest diversity and ecosystem services	Forest Biodiversity and Ecosystem Services
United States	Omar	Espinoza	University of Minnesota	Overcoming Barriers to Cogeneration from Biomass in the U.S. Wood Products Industry	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy
United States	Gregory	Ettl	University of Washington	A mixed species clearcut silviculture system to restore native species composition and structure of old-growth forests in western Washington	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
United States	Kristen	Evans	Center for International Forestry Research	Bridging the Gap: Bringing Ethnoecology E-Learning to Forestry Programs in Latin America	131 Forestry education serving science and practice	Forests for People
United States	Habibollah	Fakhraei	Syracuse University	Critical Loads for nitrogen and sulfur atmospheric deposition in the Great Smoky Mountains National Park, USA	85 Critical loads for nutritional nitrogen deposition: Progress and problems	Forest Health in a Changing World
United States	Mark	Fenn	Pacific Southwest Research Station	Nitrogen Flux Measurements: Toward Ecosystem Effects and Critical Load Development	85 Critical loads for nutritional nitrogen deposition: Progress and problems	Forest Health in a Changing World
United States	Kalifi	Ferretti-Gallon	Center for Global Development	What Have We Learned from Econometric Studies of Drivers of Deforestation?	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
United States	Forrest	Fleischman	Department of Ecosystem Science & Management, Texas A&M University, and Texas Agrilife Research	Comparing the effectiveness of national level forest policies across Central America.	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
United States	Forrest	Fleischman	Department of Ecosystem Science & Management, Texas A&M University, and Texas Agrilife Research	The influence of professional norms and politics on the decision-making of foresters: A comparison of the United States and India	37 Achieving policy integration across fragmented domains: Forest policy perspectives	Forests for People
United States	Paula	Fornwalt	USFS Rocky Mountain Research Station	Mulching treatments alter understory vegetation in forested ecosystems of the western U.S.	110 Managing forest for fire in a changing climate	Forests and Climate Change

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United States	Louise	Fortmann	UC Berkeley	Teaching Foresters about Gender, Property and Why they Matter	72 The social education of foresters	Forests for People
United States	Thomas	Fox	Virginia Tech Univeristy	Linking forest soils and ecophysiology to improve sustainable management of forest plantations	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
United States	Thomas	Fox	Virginia Tech Univeristy	Contribution of planted forest to sustainable production of forest products and ecosystem services	55 Planted forests: meeting future global forest product needs sustainably	Forests and Forest Products for a Greener Future
United States	John	Frank	U.S. Forest Service	How much do bark beetles change the annual water cycle of a spruce-fir forest?	127 Land Use/Land Cover Change and hydroecology: Consequences at variable spatial scales.	Forest and Water Interactions
United States	Elizabeth	Freeman	US Forest Service	Random Forests and Stochastic Gradient Boosting for Predicting Tree Canopy Cover: Comparing Tuning Processes and Model Performance	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Tracey	Frescino	US Forest Service	Small area estimation of forest attributes within fire boundaries	(Forests for People)	Forests for People
United States	James	Friday	University of Hawaii	Assessing wood quality and developing markets for landowners growing high-value native hardwoods in Hawaii	Forestry for desired wood quality and products from underutilized forest species	Forests and Forest Products for a Greener Future
United States	Christopher	Frissell	Flathead Lake Biological Station, Univ. of Montana (Affiliate Faculty)	Riparian Buffer Design for Control of Nutrient Pollution from Forest Management	238 Sustaining riparian biodiversity and ecosystem services in a changing climate	Forest and Water Interactions
United States	Robert	Froese	Michigan Technological University	Alternative Populus biofuel pathways: greenhouse gas emissions from land use change in the North American cool temperate forest region	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy
United States	Steve	Frolking	University of New Hampshire	Simulating the impacts of climate change and land conversion on the carbon balance of tropical peatlands in Indonesia	81 Tropical forest wetlands, climate, and land-use change: Adaptation and mitigation opportunities	Forests and Climate Change
United States	GLENN	GALLOWAY	UNIVERSITY OF FLORIDA	Prerequisite Conditions for Sustainable Forest Management: Synthesis of the Case Studies	66 Forests under pressure: Prerequisite conditions for forest-related sustainable development	Forests for People
United States	Kamal	Gandhi	University of Georgia	Interactions between Matsucoccus macrocitrices, fungal pathogens, and eastern white pine dieback in the southern Appalachians	34 The co-evolution of insects and fungi that form symbiotic relationships and kill forest trees	Forest Health in a Changing World
United States	Indroneil	Ganguly	University of Washington	Local Air Quality Impacts of Advanced Biofuels in the Pacific Northwest: A Consequential LCA Approach	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy
United States	Indroneil	Ganguly	School of Environmental and Forest Sciences, University of Washington	Role of US Homebuilders' Psychographic Orientation in Their Adoption and Use of Certified Wood in Residential Construction Projects	87 Innovation in the forest sector: maximizing the sector's competitiveness	Forests and Forest Products for a Greener Future
United States	Matteo	Garbelotto	Department of ESPM, UC Berkeley	In spite of different perceptions and responses to Sudden Oak Death, involvement of the public, key to large-scale management of the disease	15 Societal impacts of invasive forest pathogen and pests	Forest Health in a Changing World
United States	Elise	Gatti	University of Utah, Department of Parks, Recreation & Tourism	Development of a Trail Auditing Tool for Near-Urban Trails in Semi-Wilderness Settings	103 The future of recreation in forests and other nature areas	Forests for People

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United States	Linda	Geiser	USDA PNW Air Resources Management Program	Lichen-based critical loads of nitrogen for forested eco-regions of the United States	85 Critical loads for nutritional nitrogen deposition: Progress and problems	Forest Health in a Changing World
United States	George	Gertner	University of Illinois	Total Error Propagated and Partitioned in a Lidar Driven Single Tree Growth Model	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Richard	Gill	Brigham Young University	Impacts of Altered Precipitation Frequency and Amount on Ecosystem Processes in the Subalpine	163 Desertification, land degradation and drought	Forests and Climate Change
United States	Rose	Gochenaour	University of Utah	Barriers and bottlenecks: Do Off Highway Vehicle (OHV) recreationists' perceptions of supply meet actual supply? A management approach to understanding OHV recreationists' supply and demand.	Social sustainability of forest resource use	Forests for People
United States	Charles	Goebel	School of Environment & Natural Resources, The Ohio State University	Managing novel conifer plantations for multiple ecosystem services in the U.K. by focusing on novel disturbances	19 Novel Ecosystems and intervention: Adaptation to climate change	Forests and Climate Change
United States	Sara	Goeking	US Forest Service	Natural Regeneration of Whitebark Pine: Factors Affecting Seedling Density	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
United States	Michael	Goerndt	University of Missouri	Influence of forest resource capacity, logistics and public policy for co-combustion of woody biomass	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
United States	Jolie	Goldenetz Dollar	American Samoa Community College	Growth rates of trees at a wildlife habitat improvement project on Tutu'ila, American Samoa	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
United States	CHONGFENG	GONG	Urban Forestry Program, Department of Agriculture and Urban Forestry, College of Science and Agriculture, Southern University, Baton Rouge, LA	Biotic homogenization and differentiation of the flora within man-made and near-natural habitats across urban green spaces in Shenzhen, China	145 Urban forest diversity and ecosystem services	Forest Biodiversity and Ecosystem Services
United States	Carlos	Gonzalez-Benecke	University of Florida	Parameterization of 3-PG model for slash pine trees: Assessing climate change effects on stand dynamics and productivity	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Carlos	Gonzalez-Benecke	University of Florida	Local and general above-stump biomass functions for loblolly pine and slash pine trees	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
United States	Armando	González-Cabán	USDA Forest Service, PSW Research Station	Potential impacts of climate change on fire socioeconomic vulnerability in the Mediterranean area	110 Managing forest for fire in a changing climate	Forests and Climate Change
United States	Kurt	Gottschalk	USDA Forest Service Northern Research Station	Regenerating Oak Forests to Maintain Biodiversity: Oak Forests around the World	247 Oak regeneration to maintain biodiversity around the world	Forest Biodiversity and Ecosystem Services
United States	Kurt	Gottschalk	USDA Forest Service Northern Research Station	Advanced Oak Seedling Development as Influenced by Shelterwood Treatments, Competition Control, Deer Fencing, and Prescribed Fire	247 Oak regeneration to maintain biodiversity around the world	Forest Biodiversity and Ecosystem Services
United States	Jason	Grabosky	Rutgers University	Rootplate geometry from New Jersey trees over-turned in Superstorm Sandy	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
United States	Andrew	Gray	USDA Forest Service, PNW Research Station	Challenges with quantifying causes of forest carbon flux from remeasured inventories	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change

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United States	Andrew	Gray	USDA Forest Service, PNW Research Station	Stand canopy cover prediction from individual tree measurements: stocking, crown width, and overlap functions	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
United States	Curtis	Gray	Utah State University	Characterizing Great Basin Bristlecone Pine Tree Chemistry	206 Ecology and management of invasive wood boring pests in a changing world	Forest Health in a Changing World
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United States	Hans	Gregersen	Dept of Forest Resources, University of Minnesota	Global forest challenges over the past quarter century	Historical responses of research to global forestry issues	Sub-plenary session
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United States	Ron	McRoberts	U.S. Forest Service	Techniques for using maps to enhance estimates of forest/non-forest change	253. Complying with the IPCC Good Practice Guidance for tropical carbon stock inventories	Forests and Climate Change
United States	Ron	McRoberts	U.S. Forest Service	The effects on large area forest volume estimates of uncertainty in individual tree volume model predictions	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Angela	Mech	University of Georgia	Influence of Increasing Summer Temperatures on Range Dynamics of an Invasive Forest Pest and its Host Tree	94 Changes in distributional ranges in a changing world	Forest Health in a Changing World
United States	Kevin	Megown	USDA Forest Service	Land Use and Land Cover Change Estimation - A Sample Strategy Monitoring	49 Using multi-source remotely sensed data and nearest neighbor techniques to improve inference for natural resource applications.	Forests and Climate Change
United States	Errol	Meidinger	SUNY Buffalo Law School	Are Timber Legality Requirements Giving Rise to an International Forest Law?	241 Forest governance and legality of timber: Challenges of legality in practice	Forests and Forest Products for a Greener Future
United States	Andrew	Meier	Purdue University	The Hardwood Ecosystem Experiment: A long-term, landscape-level study of managed forest ecosystem dynamics in southern Indiana, USA	170 Long-term forest research on forest ecosystem management	Forest Biodiversity and Ecosystem Services
United States	Frederick	Meinzer	USDA Forest Service	Coordinated adjustments in xylem hydraulic safety, efficiency and capacitance across climatic gradients and axial gradients within trees	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
United States	Andrea	Melchiorre	University of Idaho	Landsat-MODIS data fusion for automatic mapping of fire disturbances in forest environment	138 Forests, fire and climate change dynamics	Forests and Climate Change
United States	Marcella	Menegale	Univ. Washington	Effects of organic matter removal and nitrogen and carbon leaching fluxes in Douglas-fir plantation	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy
United States	judd	michael	Penn State University	Resisting Isomorphism: Investigating the Adoption of Corporate Environmentalism in the Forest Products Industry	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future

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United States	judd	michael	Penn State University	An analysis of wood-based versus fossil fuels in combined heat and power applications	53 Evaluation of environmental Impacts of production and use of wood products and wood energy	Forest Biomass and Bioenergy
United States	Stephani	Michelsen-Correa	University of Washington	Fate of applied 15N fertilizer in a Douglas-fir Plantation	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
United States	Constance	Millar	USDA Forest Service	Paleoclimatic Shifts and Novel Ecosystems	19 Novel Ecosystems and intervention: Adaptation to climate change	Forests and Climate Change
United States	Constance	Millar	USDA Forest Service	Contrasting Modes of Response to Historic and Contemporary	232 Vegetation zone shifts in response to climate change	Forests and Climate Change
United States	Gary	Miller	US Forest Service	Dominance Probabilities for Oak Seedlings in Pennsylvania: Variation in Seedling Size and Ecological Sections Affects Seedling Success	247 Oak regeneration to maintain biodiversity around the world	Forest Biodiversity and Ecosystem Services
United States	Brent	Mitchell	USDA Forest Service RSAC	Considerations for using a plot based approach to model forest biomass and canopy structure at the landscape level using lidar technology	117 Remote sensing in carbon balance evaluation and monitoring	Forests and Climate Change
United States	Karen	Mock	Utah State University	Genetic structuring and triploidy in North American aspen (Populus tremuloides)	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
United States	Phillip	Mohebalian	University of Missouri	Remote Sensing and Field-level Evaluation of Payments for Forest Conservation: Ecuador's Socio Bosque Program	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
United States	Gretchen	Moisen	US Forest Service	The history of forest disturbance in the US: Annual maps of causal agent from Landsat time series	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Gretchen	Moisen	US Forest Service	The role of remote sensing in US forest inventories: past, present and future	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
United States	Randall	Morin	US Forest Service	Invasions of Forest Insects and Diseases and their Impacts on Regional Forest Dynamics in North America	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
United States	Gary	Morishima	Quinalt Nation	Our Natural Resources	39 American Indian forestry	Forests for People
United States	Jeff	Morrell	Wood Science and Engineering, Oregon State University	Surface treatments for long term protection of durable wood species	159 Emerging green and sustainable alternatives to classical wood preservative to protect forest products	Forests and Forest Products for a Greener Future
United States	Cassandra	Moseley	Ecosystem Workforce Program; Institute for a Sustainable Environment, University of Oregon	Institutional Work: Community-Based Organizations as Change Agents in Public Lands Governance in the American West	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
United States	Warren	Moser	USDA, Forest Service	Progress in Knowledge Dissemination: Combining Fundamental and Applied Research Journals	68 How to make forest science available for all? Publishers', editors', and authors' challenges	Forests for People
United States	Warren	Moser	USDA, Forest Service	Experimental Forests: An anchor in a changing scientific world	170 Long-term forest research on forest ecosystem management	Forest Biodiversity and Ecosystem Services
United States	Warren	Moser	USDA, Forest Service	Opportunities and challenges in evaluating medium-term climatic impacts: The U.S. Northern Forest Futures Project	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change

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United States	John	Mull	Weber State University	Effects of understory changes on ant community composition	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
United States	Isabel	Munck	USDA Forest Service	Emerging diseases threaten the white pine resource in Eastern North America	102 Emerging invasive forest pathogens	Forest Health in a Changing World
United States	Andrew	Nelson	University of Arkansas at Monticello	Long-term Response of Natural-Origin Even-Aged Southern Pine to Early Competition Control and Density Management in Arkansas, U.S.A.	41 Intensive or ecosystem-based forest management – impact on yield, wood quality and economic return?	Forests and Forest Products for a Greener Future
United States	Nathan	Nelson	US Forest Service	GRAIP-Lite: A Tool for Large Scale Assessment of Road Erosion	36 Impacts of forest roads on water resources and aquatic habitat	Forest and Water Interactions
United States	Jami	Nettles	Weyerhaeuser Company	Paired Catchment Experimental Methodology: A Critique	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions
United States	Jami	Nettles	Weyerhaeuser Company	Water volume and sediment impacts of forest-based biomass site preparation and planting	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions
United States	Max	Nickerson	University of Florida	In-river habitat changes following riparian and upland deforestation correlate with the decline of Ozark hellbender salamander health and populations.	13 Salamanders: World icons of aquatic biodiversity in forests	Forest Biodiversity and Ecosystem Services
United States	Mark	Nimlos	National Renewable Energy Laboratory	Catalytic Upgrading of Biomass Pyrolysis Vapors	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy
United States	Zhu	Ning	Southern University	Relative Abilities of Six Urban Tree Species in Mitigating Elevated CO2	145 Urban forest diversity and ecosystem services	Forest Biodiversity and Ecosystem Services
United States	Malcolm	North	USFS PSW Research Station	Historic and current fire patterns in Sierra Nevada riparian forests	238 Sustaining riparian biodiversity and ecosystem services in a changing climate	Forest and Water Interactions
United States	David	Nowak	US Forest Service	Changes in urban forest species diversity and its impact on ecosystem services in the United States	145 Urban forest diversity and ecosystem services	Forest Biodiversity and Ecosystem Services
United States	Paul	Oester	Oregon State University	Pest Scene Investigators: A Citizen Science-Based Effort to Improve Forest Health in Oregon	227 Knowledge exchange and communication of forest research for human and community well-being	Forests for People
United States	Paul	Oester	Oregon State University	Uneven-aged Management in a Mixed-Conifer Forest in Northeast Oregon: A Case Study with an Innovative Educational Approach	227 Knowledge exchange and communication of forest research for human and community well-being	Forests for People
United States	Fred	Ogden	Univ. of Wyoming	Agua Salud Project: Tropical Research in Land Use Dependent Hydrological Ecosystem Services	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions
United States	Kevin	O'Hara	University of California - Berkeley	Complex forest stand structures for risk reduction and adaptation	19 Novel Ecosystems and intervention: Adaptation to climate change	Forests and Climate Change
United States	Kevin	O'Hara	University of California - Berkeley	Recommendations for Forestry Science Education in North America: Results from the Berkeley Summit on Forestry Education	131 Forestry education serving science and practice	Forests for People
United States	Maria	Ojanen	Center for International Forestry Research	The environmental impacts of property rights regimes	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People

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United States	Jay	O'Laughlin	University of Idaho	Anchor Forests and the Tribal Forest Protection Act: Eastern Washington pilot project	39 American Indian forestry	Forests for People
United States	Chadwick	Oliver	Yale University	Carbon, fossil fuel, and biodiversity mitigation using both wood products and forests	The future of our forests	Sub-plenary session
United States	Christine	Olsen	Oregon State University	Predicting WUI homeowners' perceptions of risk and willingness to conduct defensible space activities	227 Knowledge exchange and communication of forest research for human and community well-being	Forests for People
United States	Deanna	Olson	US Forest Service	Climate change and forest thinning with riparian buffers: relationships to shrinking headwater stream habitat	238 Sustaining riparian biodiversity and ecosystem services in a changing climate	Forest and Water Interactions
United States	Deanna	Olson	US Forest Service	Utility of riparian buffers to retain salamanders in and along streams of US Pacific Northwest moist coniferous forests	13 Salamanders: World icons of aquatic biodiversity in forests	Forest Biodiversity and Ecosystem Services
United States	Deanna	Olson	US Forest Service	Validation of a landscape-scale habitat suitability model and map for the Oregon slender salamander	13 Salamanders: World icons of aquatic biodiversity in forests	Forest Biodiversity and Ecosystem Services
United States	Nathaniel	Osborne	Oregon State University	Distribution and morphology of knots in Douglas-fir lumber resulting from a range of silvicultural regimes	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
United States	Todd	Osmundson	University of Wisconsin - La Crosse	Invasion of <i>Miconia calvescens</i> in Pacific island ecosystems: impacts and responses	15 Societal impacts of invasive forest pathogen and pests	Forest Health in a Changing World
United States	Sandra A	Owusu	Michigan Technological University	Genetic variation at microsatellite markers in four North American <i>Quercus</i> species	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
United States	Deborah	Page-Dumroese	USDA Forest Service, Rocky Mountain Research Station	Environmental Impacts and Site Sustainability of Biomass-for-Bioenergy Harvest Operations	Energy from trees: Technology, opportunities, and challenges	Sub-plenary session
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United States	Rajat	Panwar	Northland College	Ongoing corporate responsibility initiatives amidst an economic downturn	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
United States	Corwin	Parker	UC Davis	Flight activity, life history, and host selection behavior of the walnut twig beetle in its native range in the southwestern United States	94 Changes in distributional ranges in a changing world	Forest Health in a Changing World
United States	David	Parrott	University of Kentucky	Effects of terrain and canopy cover on LiDAR derived DEMs in the Northern Cumberland Plateau	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Dylan	Parry	State University of New York	Climate, Adaptation, and the Northward Range Expansion of Gypsy Moth	83 Boreal at risk: Integrative science as a strong foundation for public policy development	Forests and Climate Change
United States	Kristen	Pelz	Colorado State University	Effects of canopy cover and browsing damage on aspen regeneration following MPB-caused lodgepole pine mortality across north-central Colorado, USA	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
United States	Hobie	Perry	USDA Forest Service	Estimating forest floor carbon content in the United States	Monitoring soil carbon stocks and dynamics at variable spatial scales	Forests and Climate Change

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United States	Steven	Petersen	Brigham Young University	Post-Fire Forest Succession in Relation to Fire Severity	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
United States	David	Peterson	U.S. Forest Service	Climate change and disturbance regimes in western North America: pathways for building resilience	Resilience of forest ecosystem services to changing disturbance regimes	Sub-plenary session
United States	Bridget	Piculell	University of Mississippi	The good and the bad: trade-offs between disease resistance and symbionts in loblolly pine	102 Emerging invasive forest pathogens	Forest Health in a Changing World
United States	Jeremiah	Pinto	USDA Forest Service	Seedling establishment limited by water availability: understanding spatial and temporal limitations to maximize outplanting success	80 Conceptual frames and research strategies for integrated studies of adaptation to drought	Forest and Water Interactions
United States	Mark	Poffenberger	Community Forestry International	Khasi Responses to Forest Pressures: A Community REDD+ Project from Northeast India	66 Forests under pressure: Prerequisite conditions for forest-related sustainable development	Forests for People
United States	Raju	Pokharel	Department of Forestry, College of Forest Resources, Forest and Wildlife Research Center, Mississippi State University	Mill capacity to utilize logging residues for bioenergy production in the Southern United States	106 Biobased products and bioenergy.	Forest Biomass and Bioenergy
United States	Michael	Pollock	National Oceanic and Atmospheric Administration	Does thinning restore late-successional forest structure?	238 Sustaining riparian biodiversity and ecosystem services in a changing climate	Forest and Water Interactions
United States	Adrian	Poloni	Fulbright-Garcia Robles	Efficient and effective control of bark beetle outbreaks in community forest of Oaxaca, Mexico	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
United States	Nan	Pond	Michigan Technological University	Small-area estimation across large areas of forest	49 Using multi-source remotely sensed data and nearest neighbor techniques to improve inference for natural resource applications.	Forests and Climate Change
United States	Kevin	Potter	North Carolina State University	The evolutionary history and genetic diversity of ponderosa pine: Management implications for an important species of western North America	178 Contribution of genetics and genomics to conservation and sustainable management of forests under changing environmental conditions	Forest Biodiversity and Ecosystem Services
United States	Kevin	Potter	North Carolina State University	Data, data everywhere: Detecting spatial and temporal patterns in fine-scale forest health information collected across a continent	191 Monitoring emerging threats to forest health in North America across regional to national scales	Forest Health in a Changing World
United States	Kevin	Potter	North Carolina State University	Does biodiversity make a difference? Evolutionary diversity indicators of forest ecosystem function across broad regions	139 The future of ecosystem services from forests	Forest Biodiversity and Ecosystem Services
United States	Kristen	Potter	Northern Arizona University	Microclimatic challenges in global change biology	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Ben	Poulter	Montana State University	Addressing global carbon cycle uncertainties with forest management	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change

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United States	Klaus	Puettmann	Department of Forest Ecosystems and Society, Oregon State University	Alternative silviculture: Doing good here and there; why not everywhere?	27 Forest owners and climate change adaptation	Forests and Climate Change
United States	Francis	Putz	CIFOR/University of Florida	Evaluation of tropical forest management certification	125 Impact of forest certification on sustainable forest management	Forests and Forest Products for a Greener Future
United States	Francis	Putz	CIFOR/University of Florida	SLOPE RESTRICTIONS ON LAND-USE PRACTICES: CONSEQUENCES FOR BORNEO OF DIFFERENT DEFINITIONS AND LIMITS	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
United States	Yadong	Qi	Southern University of United States	Novel Nanotechnology for Forest and Forest Product Protection	259. Applications of nanotechnology and biotechnology in forest products research	Forests and Forest Products for a Greener Future
United States	Yadong	Qi	Southern University of United States	Urban Forest Structure Characteristics and Public Perception of Representative City Parks in Beijing, China	88 Resilience and Identity with urban forests: A landscape system approach	Forests for People
United States	Brad	Quayle	USDA FS	Monitoring Trends and Burn Severity for CONUS	(Forest Health in a Changing World)	Forest Health in a Changing World
United States	Henry	quesada-pineda	virginia tech	Factors impacting exports of US hardwoods: A case of study in Germany, China, and Vietnam	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
United States	Kenneth	Raffa	University of Wisconsin	Identifying features of tree-insect interactions prone to major alteration by climate change	38 Is climatic change modifying the characteristics of insect damage in forests?	Forest Health in a Changing World
United States	Carlos	Ramos-Scharron	The University of Texas-Austin	An unusual suspect- The threat posed by unpaved roads to coral reefs of the Eastern Caribbean	36 Impacts of forest roads on water resources and aquatic habitat	Forest and Water Interactions
United States	Carlos	Ramos-Scharron	The University of Texas-Austin	Quantification and Modeling of Foot Trail Surface Erosion in a Dry Sub-Tropical Forest Setting in the Eastern Caribbean	36 Impacts of forest roads on water resources and aquatic habitat	Forest and Water Interactions
United States	Patrick	Rappold	Arizona State Forestry Division	Adaption to Small Log Processing in Arizona	87 Innovation in the forest sector: maximizing the sector's competitiveness	Forests and Forest Products for a Greener Future
United States	Ashwin	Ravikumar	Center for International Forestry Research	Multilevel Governance Typologies of Benefit-Sharing and Land-Use Decision Making: Cross-Country Evidence from REDD+ Projects	26 International forest governance: taking stock of political theories, methodologies and research findings	Forests for People
United States	Keith	Reynolds	USDA Forest Service Research	Design features behind the success of the Ecosystem Management Decision Support System	118 Providing ecosystem services under climate change: Community of practice of forest decision support systems	Forest Biodiversity and Ecosystem Services
United States	Hakjun	Rhee	The University of Montana	Impacts of Biomass Operations on Soil Erosion	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
United States	Aaron	Rhodes	Brigham Young University	Characterizing Aspen Regeneration by Presence of Ungulates, Topography, and Tree Species Composition	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
United States	Aaron	Rhodes	Brigham Young University	Characterization of Fire Regimes in Utah's Subalpine Forests Using Remotely Sensed Data.	138 Forests, fire and climate change dynamics	Forests and Climate Change
United States	Mary	Ridout	University of Idaho	Evaluating North American endophytic fungi for biological control of a coadapted pathogen Dothistroma needle blight in Pinus sp.	135 Multiple risk management in planted forests	Forest Health in a Changing World

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United States	Mary	Ridout	University of Idaho	Common foliar endophyte <i>Hormonema</i> sp. suppresses seedling emergence of host species <i>Pinus ponderosa</i>	(Forest Health in a Changing World)	Forest Health in a Changing World
United States	Lynne	Rieske-Kinney	University of Kentucky	Natural enemy recruitment to the Asian chestnut gall wasp, <i>Dryocosmus kuriphilus</i> , a highly invasive pest of chestnut, <i>Castanea</i> spp., worldwide	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
United States	Phil	Rigdon	Intertribal Timber Council	Overview of Indian Forests and Forestry	39 American Indian forestry	Forests for People
United States	Kurt	Riitters	US Forest Service	National integration of in-place and remotely-sensed forest and landscape pattern inventories to evaluate changes in forest health	184 Forest health in changing landscapes: The roles of landscape patterns	Forest Health in a Changing World
United States	Gabriela	Ritokova	Oregon State University	The Swiss Needle Cast foliage disease epidemic on the Northwestern coast of the US.	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
United States	Samuel	Rivera	Research Associate - Utah State University	A Proposed Methodology for Analysis of Deforestation in REDD Projects: Experiences from Central America	117 Remote sensing in carbon balance evaluation and monitoring	Forests and Climate Change
United States	Victor	Rivera-Monroy	Louisiana State University	Assessing Mangrove Vulnerability across Geomorphic Settings in the Americas: Carbon Sequestration Myths, Hopes, and Dreams	81 Tropical forest wetlands, climate, and land-use change: Adaptation and mitigation opportunities	Forests and Climate Change
United States	Joshua	Roberti	NEON	Quantifying sources of uncertainty through traceable and empirical approaches at the National Ecological Observatory Network	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Peter	Robichaud	US Forest Service	After The Smoke Clears: Evaluating Post-fire Erosion Risk and Rehabilitation Options	256. Managing forests and forest uses to protect and provide clean water	Forest and Water Interactions
United States	Cara	Rockwell	CIFOR-Peru	Traditional perspectives on ecology and timber extraction in a bamboo-dominated forest: A complementary knowledge base for sustainable management	82 Smallholders and forest landscape transitions: Locally devised development strategies of tropical America	Forests for People
United States	Andre	Rodrigues de Aquino	World Bank	Missing the forest for the trees: How national level governance failings are compromising Madagascar's REDD+ potential	242 Addressing the drivers of deforestation: Exploring synergies between REDD+ and forest policy	Forests and Climate Change
United States	Benjamin	Roe	Center for International Trade in Forest Products	Impact of timber legality policies on US wood importers and their business practices	241 Forest governance and legality of timber: Challenges of legality in practice	Forests and Forest Products for a Greener Future
United States	Thomas	Rooney	Wright State University	The influence of climate change on forest ungulates: the paradox of "restoring" novel ecosystems	19 Novel Ecosystems and intervention: Adaptation to climate change	Forests and Climate Change
United States	Jeff	Rose	Davidson College	Marijuana Cultivation in U.S. National Forests: Complex Forest Management Systems for Ecosystem Health and Visitor Safety	192 The value and challenges of integrating food and medicinal forest products into forest management	Forests for People
United States	Derek	Rosenberger	University of Minnesota	Colonization dynamics of mountain pine beetle in eastern and western pines: Implications to range expansion	94 Changes in distributional ranges in a changing world	Forest Health in a Changing World
United States	Amy	Ross-Davis	USDA Forest Service	Genetic diversity of <i>Puccinia psidii</i> - the cause of guava/eucalypt/myrtle rust - and preliminary predictions of global areas at risk	102 Emerging invasive forest pathogens	Forest Health in a Changing World
United States	Amber	Roth	Michigan Technological University	Bird and insect pollinators respond similarly to aspen forest stand development in northern Wisconsin, USA	Forest management for wildlife conservation	Forest Biodiversity and Ecosystem Services
United States	Bruce	Roundy	Brigham Young University	Masticating pygmy conifers: Implications for system resilience	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services

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United States	Mary	Rowland	USDA Forest Service, PNW Res. Station	Effects of Wild Ungulate Herbivory on Riparian Restoration for Salmonids	238 Sustaining riparian biodiversity and ecosystem services in a changing climate	Forest and Water Interactions
United States	Alejandro	Royo	USDA Forest Service	The Effects of Landscape Heterogeneity and Ungulate Density on Understory Vegetation in Northwestern Pennsylvania	Forest management for wildlife conservation	Forest Biodiversity and Ecosystem Services
United States	Steven	Running	Univ. of Montana	The role of forests in the global carbon budget	222 Forest management options to tackle climate change	Forests and Climate Change
United States	Lisa	Samuelson	Auburn University	Forest Carbon Stocks in Longleaf Pine Forests in the Southern United States	(Forests and Climate Change)	Forests and Climate Change
United States	Jose	Sanchez	USDA Forest Service	Economics of Forest Fire Management: Accounting of Benefits	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
United States	Michael	SanClements	NEON	Challenges and opportunities in detecting phenological signals with digital imagery across diverse ecosystems.	232 Vegetation zone shifts in response to climate change	Forests and Climate Change
United States	Hathai	Sangsupan	Oregon State University	Environmental Limitations to Natural Regeneration in a Restored Seasonally Dry Tropical Forest	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
United States	Anna	Santo	Virginia Tech	Eradicating an invasive species: Landowner perceptions of impacts to ecosystem services	(Forests for People)	Forests for People
United States	Mike	Saunders	Purdue University	The Fire Ecology of American Chestnut Regeneration: Implications for Restoration	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
United States	Mike	Saunders	Purdue University	Epicormic Potential of Common Eastern North American Oak Species	247 Oak regeneration to maintain biodiversity around the world	Forest Biodiversity and Ecosystem Services
United States	Karen	Schleeweis	US Forest Service	Classifying causal agents of forest disturbance with attention to rare classes	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Marianne	Schmink	University of Florida	Forest Citizenship in Acre, Brazil	66 Forests under pressure: Prerequisite conditions for forest-related sustainable development	Forests for People
United States	Kendra	Schotzko	University of Idaho	Changes in Tree Community Composition Within High Elevation Whitebark Pine Stands Following Mountain Pine Beetle Outbreaks	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
United States	Charlie	Schrader-Patton	USDA Forest Service RSAC	Western U.S. Climate Change GeoBrowser	209 From data to knowledge, geospatial tools and information access	Forests for People
United States	Todd	Schroeder	US Forest Service	Testing alternative response designs for training forest disturbance and attribution models	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Bethany	Schulz	USFS PNW Research Station	Using vascular plant inventory data to derive indicators of forest health	191 Monitoring emerging threats to forest health in North America across regional to national scales	Forest Health in a Changing World
United States	Sarah	Schwab	Stephen F. Austin State University	In-Stream E-Coli Bacteria Loading From Forest and Pasture Land Uses in the Attoyac River, East Texas, USA	256. Managing forests and forest uses to protect and provide clean water	Forest and Water Interactions
United States	Brian	Schwind	USDA FS	Landscape Change Monitoring System to support all lands and owners for CONUS, Hawaii and Alaska	209 From data to knowledge, geospatial tools and information access	Forests for People

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United States	Steven	Seybold	USDA Forest Service	Chemical ecology of the walnut twig beetle, a pest of significance to the international cultivation of walnut for nut and timber production	34 The co-evolution of insects and fungi that form symbiotic relationships and kill forest trees	Forest Health in a Changing World
United States	Patricia	Shanley	People and Plants International	Linking Science and Social Movements: Knowledge exchange in the Brazilian Amazonia	227 Knowledge exchange and communication of forest research for human and community well-being	Forests for People
United States	Margaret	Shannon	European Forest Institute	Science-Policy Advocacy: Creating new social institutions for policy learning	Policy learning for multi-level governance	Sub-plenary session
United States	Margaret	Shannon	European Forest Institute	Feminist Perspectives on Legality of Timber and Governance	241 Forest governance and legality of timber: Challenges of legality in practice	Forests and Forest Products for a Greener Future
United States	Terry	Sharik	Michigan Technological University	Undergraduate Enrollments in Forestry and Related Areas of Natural Resources in the U.S. with Respect to Gender and Race/Ethnicity	131 Forestry education serving science and practice	Forests for People
United States	Dave	Shaw	Oregon State University	Interacting threats to forest plantations in the Douglas-fir region, USA.	135 Multiple risk management in planted forests	Forest Health in a Changing World
United States	John D.	Shaw	Interior West Forest Inventory and Analysis, USDA Forest Service	Is the Western United States Running Out of Trees?	191 Monitoring emerging threats to forest health in North America across regional to national scales	Forest Health in a Changing World
United States	Rachel	Sheridan	Northern Arizona School of Forestry	Community forestry and fire management: Combining social and ecological research to strengthen land management in communal forests in rural Mexico	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
United States	David	Showalter	The Ohio State University	Using water- and nutrient-stress phenotypes to identify ash biomarkers of resistance to emerald ash borer	69 Mechanisms of tree defense across forest insect feeding guilds: Can a comparative approach help predict responses to climate change?	Forest Health in a Changing World
United States	Rupesh	Shrestha	Boise State University	Potential vegetation dynamics under climate change in a semi-arid ecosystem in the Western United States	138 Forests, fire and climate change dynamics	Forests and Climate Change
United States	Emily	Silver	University of Maine	Modeling private woodland owner timber harvesting behavior using social interactions, risk perception, and peer-to-peer networking	108 Small-scale and community forestry for people, biodiversity and ecosystem services	Forests for People
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United States	Kanna	Siripurapu	University of Maryland at College Park	Participatory Forest Management Networks of Odisha - Time for more recognition	239 Establishing social institutions for co-management of public forest lands	Forests for People
United States	Kanna	Siripurapu	University of Maryland at College Park	The Significance of Supporting Structures for Enhanced Participation of Women in Forest Management	91 Impact of tenure arrangements on forests, livelihoods and gender dynamics	Forests for People
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United States	Diana	Six	University of Montana	Climate alters interactions among bark beetles and symbionts potentially altering geographic range	94 Changes in distributional ranges in a changing world	Forest Health in a Changing World
United States	Kenneth	Skog	USDA Forest Service	Estimating carbon stored in harvested wood products for greenhouse gas inventories - IPCC requirements and advances in national methods	248 National forest sector greenhouse gas inventories following IPCC guidance and guidelines: Requirements, methods, and national examples	Forests and Climate Change

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United States	Derek	Smith	NEON	A transferable framework to interpret quality results of large data sets	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Nikola	Smith	U.S. Forest Service	Integrating Ecosystem Services into United States Forest Service Programs and Operations	139 The future of ecosystem services from forests	Forest Biodiversity and Ecosystem Services
United States	Stephanie	Snyder	USDA forest service	Family forest landowner interest in carbon management and markets: Insights from the US and Norway	27 Forest owners and climate change adaptation	Forests and Climate Change
United States	Ben	Soderquist	Department of Forest, Range, and Fire Sciences, University of Idaho	Simulating the dependence of aspen net primary productivity on redistributed snow.	232 Vegetation zone shifts in response to climate change	Forests and Climate Change
United States	Nianfu	Song	University of Missouri - Columbia	Efficiency of Wood-to-Energy Conversion: U.S. Public Policy and Net Energy Output	137 Forest biomass supply chains: Practice, economics, and carbon balance	Forest Biomass and Bioenergy
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United States	Daniel	Soto	Department of Forest Ecosystems and Society, Oregon State University, Corvallis, OR 97331 USA	Growth and mortality assessment in underplanting Nothofagus seedlings as function of resources availability	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
United States	Daniel	Soto	Department of Forest Ecosystems and Society, Oregon State University, Corvallis, OR 97331 USA	Effects of artificial pruning on growth in young plantations of Nothofagus in South-central Chile	(Forests and Forest Products for a Greener Future)	Forests and Forest Products for a Greener Future
United States	Stephen	Spear	The Orienne Society	Using environmental DNA (eDNA) from rivers and streams to detect and monitor two imperiled species of forest salamanders	13 Salamanders: World icons of aquatic biodiversity in forests	Forest Biodiversity and Ecosystem Services
United States	Thomas	Spies	USDA Forest Service, PNW Research Station	Resilience of forest ecosystem services to changing disturbance regimes: a synthesis	Resilience of forest ecosystem services to changing disturbance regimes	Sub-plenary session
United States	Sam	St. Clair	Brigham Young University	Burn severity controls post-fire resistance and resilience of forests against ungulate herbivory	138 Forests, fire and climate change dynamics	Forests and Climate Change
United States	Wesley	Staats	University of Kentucky	LiDAR-derived light availability and its influence on riparian salamander populations	13 Salamanders: World icons of aquatic biodiversity in forests	Forest Biodiversity and Ecosystem Services
United States	John	Stanturf	US Forest Service	Restoration Strategies, Methods, and Operations	210 Silvicultural practices to facilitate forest restoration	Forest Biodiversity and Ecosystem Services
United States	John	Stanturf	US Forest Service	Novel and neo-native, native and exotic, restoration and intervention, oh my!	19 Novel Ecosystems and intervention: Adaptation to climate change	Forests and Climate Change
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United States	John	Stella	SUNY College of Environmental Science and Forestry (SUNY-ESF, Syracuse)	The critical role of fluvial disturbance for riparian forest development along large rivers in dry regions (California, USA)	238 Sustaining riparian biodiversity and ecosystem services in a changing climate	Forest and Water Interactions
United States	Henry	Stelzer	University of Missouri	Bringing Forest Science to the End-user: Three Key Challenges	68 How to make forest science available for all? Publishers', editors', and authors' challenges	Forests for People
United States	Scott	Stephens	ESPM UC Berkeley	Resilience in forest ecosystem management - an introduction from the western US and northwestern Mexico	Resilience of forest ecosystem services to changing disturbance regimes	Sub-plenary session
United States	Camille	Stevens-Rumann	University of Idaho	Interacting disturbances in mixed-conifer forests of the US: effect of bark beetles and wildfires on forest trajectories	206 Ecology and management of invasive wood boring pests in a changing world	Forest Health in a Changing World
United States	Tom	Stokes	Auburn University	Relationships between ground cover biomass and prescribed fire in longleaf pine forests in the southeastern U.S.	138 Forests, fire and climate change dynamics	Forests and Climate Change
United States	Andrew J	Storer	School of Forest Resources and Environmental Science, Michigan Technological University, 1400 Townsend Drive, Houghton, MI 49931, USA	Best Practices for Enhancing Communication Skills of Forestry Majors in U.S. Institutions of Higher Learning	131 Forestry education serving science and practice	Forests for People
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United States	Jacob	Strunk	College of Forestry, Oregon State University	Comparison of Regression Estimation with Lidar and Double-Sampling with Multi-Temporal Landsat for Forest Inventory: A Case Study in Southwest Oregon	49 Using multi-source remotely sensed data and nearest neighbor techniques to improve inference for natural resource applications.	Forests and Climate Change
United States	Ge	Sun	Eastern Forest Environmental Threat Assessment Center, USDA Forest Service	From Forests to the Faucets: Water Supply Functions of Forests Under Global Change	Forests, water, and people	Sub-plenary session
United States	Andres	Susaeta	University of Florida	Sustainability of slash pine forest stands in the southern United States under climate change	107 Forest management for adaptation to climate change	Forests and Climate Change
United States	Jie-Sheng	Tan-Soo	Duke University	Conversion of Tropical Rainforests to Oil Palm and Rubber Increased Flooding in Peninsular Malaysia	256. Managing forests and forest uses to protect and provide clean water	Forest and Water Interactions
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United States	Jeffrey	Taylor	NEON	Estimating Uncertainty for Measurements of Long-Term Climate Impacts on Forested Ecosystems across the Continent	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change

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United States	Christian	Temperli	University of Colorado	Modeling spruce beetle and fire disturbance under climate change and adaptive management in subalpine forests of Northern Colorado, USA	8 Modeling as a tool for improving the knowledge on forest vulnerability and risk exposure in a changing world	Forest Health in a Changing World
United States	Michael	Thompson	Rocky Mountain Research Station Forest Inventory and Analysis	Comparison of Tree Mortality Rates on Reserves vs Non-Reserved Land the Interior West Using Forest Inventory and Analysis Annual Inventory	191 Monitoring emerging threats to forest health in North America across regional to national scales	Forest Health in a Changing World
United States	Valorie	Titus	American Public University System/Wildlife Conservation Society	The importance of forest habitat connectivity for species of Ambystomid salamanders, focusing on the eastern tiger salamander	13 Salamanders: World icons of aquatic biodiversity in forests	Forest Biodiversity and Ecosystem Services
United States	Borys	Tkacz	USDA Forest Service	The state of forest health in the United States and assessment of future risks from climate change, invasive species, and air pollution.	180 Air pollution as a factor affecting global forest health	Forest Health in a Changing World
United States	Borys	Tkacz	USDA Forest Service	Overview of the USDA Forest Service Forest Health Monitoring National Program	191 Monitoring emerging threats to forest health in North America across regional to national scales	Forest Health in a Changing World
United States	Patrick	Tobin	USDA Forest Service	Supraoptimal temperatures restrict and retract the distributional range of the gypsy moth	94 Changes in distributional ranges in a changing world	Forest Health in a Changing World
United States	Adam	Trautwig	Auburn University	Mycorrhizal Communities in Imperata cylindrical Invaded and Non-Invaded Commercial Pinus taeda Stands	104 Forests, roots and soil carbon	Forest Biodiversity and Ecosystem Services
United States	Adam	Trautwig	Auburn University	Assessing The Impacts of Imperata cylindrica (L.) Beauv on Root-Feeding Bark Beetle Populations Associated With Southern Pine Decline	135 Multiple risk management in planted forests	Forest Health in a Changing World
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United States	Michael	Ulyshen	USDA Forest Service	Exploring the connection between arthropod-accelerated wood decay and forest productivity	142 Ecology and dynamics of dead wood dependent species at multiple trophic levels – Promoting natural pest control in managed forests or increasing hazards?	Forest Biodiversity and Ecosystem Services
United States	Michael	Ulyshen	USDA Forest Service	Arthropods and flooding affect microbial communities in dead wood	142 Ecology and dynamics of dead wood dependent species at multiple trophic levels – Promoting natural pest control in managed forests or increasing hazards?	Forest Biodiversity and Ecosystem Services
United States	Dan	Unger	Arthur Temple College of Forestry and Agriculture	MEASURING TREE HEIGHT USING PICTOMETRY® HYPERSPATIAL MULTISPECTRAL IMAGERY	49 Using multi-source remotely sensed data and nearest neighbor techniques to improve inference for natural resource applications.	Forests and Climate Change
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United States	Vivian	Valencia	Columbia University	The role of coffee agroforestry in the conservation of forest tree diversity and community composition in La Sepultura Biosphere Reserve in Chiapas, Mexico.	122 Forest management in montane communities.	Forest Biodiversity and Ecosystem Services

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United States	Brian	Via	Forest Products Development Center, Auburn University	Near Infrared Reflectance (NIR) Spectroscopy: dialing stem chemistry for optimal root disease resistance and forest products.	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
United States	Caterina	Villari	Department of Plant Pathology, The Ohio State Univeristy	Living on the edge: Outbreaks of a bark beetle at its range margins – life-history, associated fungi and host defenses	38 Is climatic change modifying the characteristics of insect damage in forests?	Forest Health in a Changing World
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United States	Richard	Vlosky	Louisiana Forest Products Development Center/LSU	Wood-based Biomass-to-Electricity Sector Development in Rural Uttarkhand, India	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
United States	Richard	Vlosky	Louisiana Forest Products Development Center/LSU	Biomass Supply Chains: Mapping Flows and Identifying Forest Sector Business Opportunities	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
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United States	Joseph	Wagenbrenner	Michigan Technological University	Effects of wildfire on storm hydrographs	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions
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United States	Xiping	Wang	USDA Forest Service, Forest Products Lab	Evaluating Thinning and Bio-solid Fertilization Effects on Wood Quality in a 70-Year-Old Douglas-fir Stand with TOF Acoustic Wave Measurement	61 Emerging technologies for forest resource assessment and genetic improvement	Forest Biomass and Bioenergy
United States	Sheila E.	Ward	Mahogany for the Future, Inc.	Managing high-value tropical timber species for carbon capture	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services

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United States	Shannon Lea	Watkins	Indiana University	Does participation in non-profit urban tree-planting programs improve neighborhoods? Examining the impact of collective action on neighborhood residents.	145 Urban forest diversity and ecosystem services	Forest Biodiversity and Ecosystem Services
United States	Gary	Watson	The Morton Arboretum	Can Urban Sites Support Increased Species Diversity?	145 Urban forest diversity and ecosystem services	Forest Biodiversity and Ecosystem Services
United States	James	Watson	West Virginia University	Species Richness and Forest Productivity: A Large-scale geospatial analysis	59 The benefits of introducing the ecosystem service concept in forest management and planning at different spatial scales	Forest Biodiversity and Ecosystem Services
United States	Craig	Wayson	SilvaCarbon	Fake forests and quantifying uncertainty in allometric equations for the 'real world'	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Liang	Wei	University of Idaho	Long-term changes in climate, forest vegetation, and streamflow in the Priest River Experimental Forest, northern Idaho	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions
United States	Peter	Weisberg	University of Nevada, Reno	Influences of stocking level on forest mortality during wet and dry periods in water-limited forests	143 Forest resistance and resilience in the face of natural hazards	Forests and Climate Change
United States	Hartwell	Welsh	USDA FOREST SERVICE-PSW	Woodland salamanders as metrics of forest ecosystem recovery: a case study from California's redwoods	13 Salamanders: World icons of aquatic biodiversity in forests	Forest Biodiversity and Ecosystem Services
United States	A. Park	Williams	Los Alamos National Laboratory	Forest Ecosystem Reorganization Underway in the Southwestern US: A Preview of Widespread Forest Changes in the Anthropocene?	Dendrochronology: detecting and modelling climate change and fire impacts	Forests and Climate Change
United States	Stephen	Williams	University of Wyoming	Developing National Biosecurity Charters: safeguarding forest and agro-ecosystems for cultural and functional integrity	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
United States	Marcella	Windmuller-Campione	Utah State University	Structural and Compositional Patterns in Forest Communities in the Intermountain West	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Chris	Witt	U.S. Forest Service	Pinyon jay nest and cache site selection in pinyon-juniper woodlands of the Great Basin	Forest management for wildlife conservation	Forest Biodiversity and Ecosystem Services
United States	Kathleen	Wolf	University of Washington	Cultural and Social Ecosystem Services of Urban Trees and Forests	145 Urban forest diversity and ecosystem services	Forest Biodiversity and Ecosystem Services
United States	Christopher	Woodall	USDA Forest Service	Primary Drivers of Forest Regeneration Dynamics in the eastern US	191 Monitoring emerging threats to forest health in North America across regional to national scales	Forest Health in a Changing World
United States	Christopher	Woodall	USDA Forest Service	Volume or Biomass? Evaluating Trade-offs in Aboveground Live Tree Growth across a Range of Wood Density in Temperate Forests of the eastern US	(Forest Biomass and Bioenergy)	Forest Biomass and Bioenergy
United States	Christopher	Woodall	USDA Forest Service	Recent Technical Changes to the United States Forest Carbon Inventory	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change

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United States	Christopher	Woodall	USDA Forest Service	Carbon Flux of Down Woody Materials in Forests of the Eastern United States	9 Forest biomass and carbon inventory on successive occasions	Forests and Climate Change
United States	Jeff	Wright	ArborGen Inc.	Eucalyptus plantations in Florida USA: Economic Analysis of Current and Potential Uses	50 Sustainable biomass for energy and industrial raw materials	Forest Biomass and Bioenergy
United States	Qinglin	Wu	LSU	EFFECT OF REINFORCED SHELL LAYERS ON OVERALL COMPOSITE PROPERTIES OF CO-EXTRUDED WOOD PLASTIC COMPOSITES	258. Bio-based composite and engineered products from wood and non-wood forest resources	Forests and Forest Products for a Greener Future
United States	Stephen	Wyka	University of New Hampshire	Characterization and distribution of fungi associated with needle defoliation of eastern white pine (<i>Pinus strobus</i>)	102 Emerging invasive forest pathogens	Forest Health in a Changing World
United States	chonggang	xu	Los Alamos National Laboratory	Uncertainty and sensitivity analysis of a tree mortality monitoring system	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Yecheng	Xu	School of Forestry and Wildlife Sciences	Value of Vocational Logging Training	183 Forest operations engineering and management - the way ahead	Forests and Forest Products for a Greener Future
United States	Ruth	Yanai	SUNY-ESF (College of Environmental Science and Forestry)	Uncertainty is hardly Unimportant: Estimating detectable rates of change in soil carbon	The Importance of quantifying uncertainty in managing forests	Sub-plenary session
United States	Ruth	Yanai	SUNY-ESF (College of Environmental Science and Forestry)	Sustainable Forest Harvest Requires Nutrient Supply from Soil Pools: Ecosystem Budgets for Second-Growth Northern Hardwoods in New Hampshire, USA	11 Environmental impacts of intensive management of forest soils for timber and bioenergy production.	Forest Biomass and Bioenergy
United States	Ruth	Yanai	SUNY-ESF (College of Environmental Science and Forestry)	Uncertainty in Forest Carbon and Nutrient Budgets	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change
United States	Zhiqiang	Yang	Oregon State University	Mapping large forest fire susceptibility using MODIS in Washington and Oregon	8 Modeling as a tool for improving the knowledge on forest vulnerability and risk exposure in a changing world	Forest Health in a Changing World
United States	John	Yarie	Dept of Forest Science, Univ of Alaska Fairbanks	Ecosystem dynamics controlled by the seasonal distribution of precipitation in forests of Interior Alaska	257. Long-term watershed studies: What have we learned about eco-hydrological functioning	Forest and Water Interactions
United States	Runsheng	Yin	Michigan State University	Lessons Learned from China for Designing and Implementing Payments for Ecosystem Services Initiatives	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services
United States	Runsheng	Yin	Michigan State University	China's Forest Tenure Reforms in the New Century: What Remains to Be Pursued and How to Get It Achieved?	16 Reforming forest tenure and governance for mitigating climate change and improving people's livelihoods	Forests for People
United States	zhen	yu	west virginia university	Snow dynamics suppressed the carbon emission in North America	248 National forest sector greenhouse gas inventories following IPCC guidance and guidelines: Requirements, methods, and national examples	Forests and Climate Change
United States	Harold	Zald	Oregon State University, Department of Forest Ecosystems and Society	Regeneration composition and heterogeneity ten years after thinning and prescribed burning in a Sierra Nevada mixed-conifer forest, California, USA	Forest regeneration: challenges and prospects	Forest Biodiversity and Ecosystem Services
United States	Daowei	Zhang	Auburn University	Biodiversity conservation on private lands: A comparative study of the USA and Europe	217. Research and management implications of the economics of ecosystem services	Forest Biodiversity and Ecosystem Services

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United States	Mo	Zhou	West Virginia University	Managing Central U.S. Hardwood Forests in a Changing Climate: Potentials and Challenges for Private Land Owners	107 Forest management for adaptation to climate change	Forests and Climate Change
United States	Xiaoping	Zhou	USDA Forest Service	Forest products trade and wood carbon flows --- Case study of forest product trade between US west coast and China	25 Contributions of business and marketing to a greener future	Forests and Forest Products for a Greener Future
Uruguay	Zohra	Bennadji	INIA Uruguay	Multipurpose trees as tools for ecosystem services deployment: a case study in Uruguay	52 Ecosystem services provided by planted forests	Forest Biodiversity and Ecosystem Services
Uruguay	Zohra	Bennadji	INIA Uruguay	Climate change impact in the Uruguayan forest sector: an empirical evidences analysis	107 Forest management for adaptation to climate change	Forests and Climate Change
Uruguay	Carolina	Jorge	Programa de Desarrollo Universitario Forestal. Centro Universitario de Tacuarembò. Universidad de la Republica	Spiders as indicators to evaluate the changes of a Pinus taeda plantation in a grassland biodiversity in Uruguay	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Uruguay	Carolina	Jorge	Programa de Desarrollo Universitario Forestal. Centro Universitario de Tacuarembò. Universidad de la Republica	Advances in the knowledge of eucalyptus gall insects in Uruguay: current status and future prospects	94 Changes in distributional ranges in a changing world	Forest Health in a Changing World
Uruguay	Gonzalo	Martinez	Instituto Nacional de Investigacion Agropecuaria	Towards biological control strategies for the Bronze bug Thaumastocoris peregrinus on Eucalyptus plantations in South America	166 Global approaches to the biological control of invasive Eucalyptus pests	Forest Health in a Changing World
Uruguay	Gonzalo	Martinez	Instituto Nacional de Investigacion Agropecuaria	Monitoring bark and ambrosia beetles in commercial forestry in Uruguay	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
Uruguay	Gonzalo	Martinez	Instituto Nacional de Investigacion Agropecuaria	Updated list of Scolytid species occurring in commercial tree plantations in Uruguay	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
Uruguay	Gonzalo	Martinez	Instituto Nacional de Investigacion Agropecuaria	Seasonal dynamics of the bronze bug Thaumastocoris peregrinus on Eucalyptus spp. plantations after four years of monitoring	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
Uruguay	Carlos	Pérez	Departamento de Protección Vegetal, Facultad de Agronomía, Universidad de la República	Mycosphaerella leaf disease and its impact on Eucalyptus plantations in Uruguay	124 Impact and monitoring of forest pests and pathogens in a changing world	Forest Health in a Changing World
Venezuela	Richard	Cedeño	SACAICET	Quality water from underground sources in the Community Jivi La Reforma, Amazonas State, Venezuela. 2012.	(Forest and Water Interactions)	Forest and Water Interactions
Venezuela	Luisa	Delgado	INIA	Alternatives for tupiro seeds conservation (Solanum sessiliflorum), an promising species in agroforestry systems the state Amazon.	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
Venezuela	Jesus	Flores	Universidad de Los Andes	Methodological approach for aboveground biomass estimation using remote sensing data in a dry-humid tropical forest from Venezuela	58 Quantifying uncertainty in forest measurements and models: Approaches and applications	Forests and Climate Change

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Venezuela	Néstor	Gutierrez	Instituto de Investigaciones para el Desarrollo Forestal (INDEFOR). Universidad de Los Andes, Mérida, Venezuela	Recovering the biodiversity in cacao plantations in the South of Maracaibo Lake, Mérida Venezuela	48 Forest ecosystem services contributing to agriculture	Forest Biodiversity and Ecosystem Services
Venezuela	Néstor	Gutierrez	Instituto de Investigaciones para el Desarrollo Forestal (INDEFOR). Universidad de Los Andes, Mérida, Venezuela	Impact of logging operations on the remnant forest of a humid tropical forest in the Imataca forest reserve, Venezuela	64 What future for tropical silviculture?	Forest Biodiversity and Ecosystem Services
Venezuela	Francia	Medina	Universidad Central de Venezuela	Evergreen borders: shirian forest related and territory knowledge	189 Linking landscape, forests and people: The historical roots of biocultural diversity	Forests for People
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Venezuela	Victor Hugo	Morales Peña	Universidad de los Andes	STATISTICAL EFFICIENCY OF SPATIAL MODELS FOR THE EVALUATION OF Pachira quinata PROGENY TESTING. IREL EXPERIMENTAL STATION. BARINAS, VENEZUELA.	226 Implementation of silvicultural treatments and their effects into forest growth models	Forests and Climate Change
Venezuela	Emilio	Vilanova	School of Environmental and Forest Sciences - University of Washington	A preliminary analysis of long term dynamics of Venezuelan tropical forests: evidences from field-based plots	170 Long-term forest research on forest ecosystem management	Forest Biodiversity and Ecosystem Services
Venezuela	Pedro	Villa	INIA	Variation in floristic composition during secondary succession of forest in Cataniapo River Basin, Amazonas state, Venezuela	(Forest Biodiversity and Ecosystem Services)	Forest Biodiversity and Ecosystem Services
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