



INTERNATIONAL CONGRESS ON CULTIVATED FORESTS

Planted Forests and Sustainable Development

With a Scientific Forum on

Ecosystem Goods and Services from Planted Forests

PROGRAMME



3RD – 7TH OCTOBER 2006 BILBAO, SPAIN

Conference home: <http://www.waldbau.uni-freiburg.de/bilbao.html>

Time	Tuesday 3rd October
08:30	REGISTRATION
10:00	CONFERENCE OPENING Excmo. Sr. D. Gonzalo Saez de Samaniego , Minister of Agriculture and Fishing in the Basque Country Excmo. Sr. D. François Maitia , Vicepresident of the Regional Council of Aquitaine Mr. Iñaki Isasi , Executive President of the Union of Silviculturalists of Southern Europe.
11:00	REFRESHMENT BREAK
	FOREST POLICY, OUTLOOK AND TRENDS
Session	One Land, One Forest Policy
11:30	<i>Forest Policy and its Influence in the Cultivated Forests</i> Mr. Jean. Louis. Martres : President of the Board of Directors of the USSE, President of the Association of Forest Owners of Aquitaine, Professor at the University Bordeaux IV
12:00	<i>Framework for Planted Forest Development</i> Mr. José Antonio Prado , Director of the Forest Resources Division of the FAO
12:30	<i>Forest Policy in Canada</i> Ms. Jean Cinq Mars , Former Chair of the National Forest Strategy Coalition of Canada
13:00	<i>Forest Policy in South Africa</i> Ms. Linda Mossop-Rousseau , Chief Director of the Forestry. Department of Water Affairs and Forestry of South Africa
13:30	<i>Forest Policy in Chile</i> Mr. Juan Claudio Rodríguez , Director of Forestry Development and Fostering. National Forestry Corporation of Chile- CONAF
14:00	<i>Plenary discussion</i>
14:30	LUNCH BREAK
16:30	<i>Forest Policy in Portugal</i> Ms. Maria do Loreto Monteiro , General Sub-director of Forest Resources of Portugal
17:00	REFRESHMENT BREAK
17:30	<i>Forest Policy in France</i> Mr. Jacques Andrieu , General Sub-director of Forest and Rural Development of France
18:00	<i>Forest Policy in Spain</i> Mr. José Luis Herranz , General Director for Biodiversity of the Ministry of Environment of Spain
18:30	PLENARY DISCUSSION
19:00	END OF THE SESSION
21:00	CONFERENCE DINNER

Wednesday 4 th October - Morning			
Time	The Role of Planted Forests in Sustainable Development	Time	Ecosystem Goods and Services from Planted Forests
Session	Evolution of the Timber Markets	Session	Opening
09:30	<i>World timber markets current situation and outlook</i> Mr. Pierre Marie Desclos , International Consultant. Participant in the Timber Committee of the UNECE, France	09:00	<i>Welcome and introduction</i> J. Bauhus and A. Hooda , NETFOP Project
10:00	<i>Wood world market, emerging markets and the influence of certification on the markets</i> Mr. Patricio Mac Donagh , Professor of the Faculty of Forest Sciences, National University of Misiones, Argentina	09:15	<i>Ecosystem goods and services from planted forests - The global importance of plantations</i> M. Kanninen , CIFOR, Indonesia
		09:45	<i>The concept of ecosystem goods and services</i> R. de Groot , Environmental Systems Analysis Group, Netherlands
10:30	<i>Industrial strategy linked to the development of Pinus radiata wood markets in the framework of the wood products world market</i> Mr. Bill Dyck , Consultant to the New Zealand Forest Industry, New Zealand	Session	Plantations and biodiversity
		10:15	<i>Keynote: Contribution of plantation forests to biodiversity conservation: the landscape perspective</i> H. Jactel, L. Barbaro and E.G. Brockerhoff , France
		10:45	<i>Dead wood and saproxylic beetle diversity in a Pinus pinaster plantation forest</i> CANCELLED A. Brin et al. , France
11:00	REFRESHMENT BREAK	11:10	REFRESHMENT BREAK
11:30	<i>Eucalyptus world market</i> Mr. Vitor Coelho , Chief for the Supply in the Forest Department of Portucel-Soporcel. First Pulp and Paper Company of the Iberian Peninsula, Portugal	11:40	<i>Structural diversity and habitat availability in plantations and semi-natural forests in Gorbea Natural Park, Basque Country, Northern Spain</i> C. Seares, I. M. de Arano and A. González-Arias , Spain
12:00	<i>The world market of the Radiata pine</i> Mr. Eladio Susaeta , Ex-President of the National Wood Corporation-Corma, Chile	12:00	<i>Butterfly diversity in pine plantation landscapes</i> I. van Halder et al. , France
12:30	<i>Forest industry, situation, trends and key issues for the future</i> Mr. Håkan Ekström , President of the Wood Resources International, publishing the market report "Wood Resource Quarterly". EE.UU.	12:20	<i>The role of plantation forestry in biodiversity conservation in the humid tropics</i> J. Barlow et al. , United Kingdom
13:00	<i>Plantations in the context of the Forest-based Sector Technology Platform.</i> Mr. Yves Birot , Chairman of the Scientific Council of the Forest Technology Platform.	12:40	<i>The possibility of plantations - integrating ecological forestry into plantation systems</i> S. Brown, E. Palola and M. Lorenzo , USA
13:30	PLENARY DISCUSSION		
14:00	LUNCH BREAK	13:00	LUNCH BREAK

Wednesday 4 th October - Afternoon			
Time	The Role of Planted Forests in Sustainable Development	Time	Ecosystem Goods and Services from Planted Forests
		14:00	POSTERS OF THE DAY (15)
Session	Wood as Eco-material in the World Market	Session	Plantations and carbon
16:00	<i>Current Situation and Trends in Planted Forests</i> Mr. José Antonio Prado , Director of the Forest Resources Division of the FAO	15:10	<i>Keynote: Managing forest plantations for carbon sequestration today and in the future</i> M. Lindner , Finland
		15:40	<i>Increased forest production after organic matter removal – Toward solving of a paradox</i> K. B. Piatek , USA
16:30	<i>"Competitiveness of the European Forest-based Industries"</i> . Ms. María Gafo Gómez-Zamalloa , Unit Forest-based Industries (responsible for pulp and paper, forestry, environment and research). European Commission	16:00	<i>Pulpwood and carbon sequestration sustainability at the landscape level - A case study for Eucalyptus plantations in central of Portugal.</i> M. Tomé et al. , Portugal
		16:20	<i>An overview of the economics of plantations in Canada</i> T. Hatton, D. McKenney, and D. Yemshanov , Canada
		16:40	<i>Understorey management effects on C and N dynamics in a Sierra Nevada Ponderosa Pine plantation</i> W. Horwáth et al. , USA
17:00	REFRESHMENT BREAK	17:00	REFRESHMENT BREAK
17:30	<i>What do we understand by sound use of wood? – the life cycle analysis</i> Mr. Arno F. Frühwald , Professor of Wood Technology of the University of Hamburg	Session	Plantations and water
		17:30	<i>Keynote: Forests and Water - Ensuring benefits outweigh water costs</i> I. Calder , United Kingdom
18:00	<i>Wood as eco-material of the XXI Century</i> Mr. Bernard de Galembert , Mr. Bernard de Galembert, Forest Director of the Confederation of European Paper Industries (CEPI)	18:00	<i>Keynote: To plant or not to plant - Afforestation and the problem of declining low flows</i> S. Bruijnzeel , The Netherlands
		18:30	<i>Modelling as a tool for extreme event analysis and integrated management of forest – water resources</i> S. Gayoso, P. Jofre and A. Iroumé , Chile
18:30	PLENARY DISCUSSION	18:50	<i>The effect of afforestation on water infiltration in the tropics, as systematic review and meta-analysis</i> A. Malmer , Sweden
		19:10	<i>Effects of forest cover change to a runoff regime of the Dragonja river in Slovenia</i> L. Globevnik , Republic of Slovenia
19:00	END OF THE DAY	19:30	END OF THE DAY

Thursday 5 th October - Morning			
Time	The Role of Planted Forests in Sustainable Development	Time	Ecosystem Goods and Services from Planted Forests
Session	Economic Viability, Marketing and Innovation	Session	Methodologies to access ecosystem goods and services from plantations
09:30	<i>Innovation in new forest products and markets</i> Mr. Martin Ascacibar , Director of Innovation and Technological Development of the Department of Food, Agriculture and Fishing of the Basque Government. Spain	09:00	<i>Evaluating the effectiveness of biodiversity sampling in tropical forest landscapes: A cost benefit analysis from a multi-taxa project in the Brazilian Amazon</i> T. Gardner , United Kingdom
		09:20	<i>Ecosystem goods and services of plantations in the Black Forest, a methodological approach</i> J. Schmerbeck, T. Maschler und U. Schraml , Germany
10:00	<i>Viability of the Eucalyptus production in forests of southern Europe</i> Mr. Francisco Dans , Director of the Association of Forest Owners of Galicia and Mr. Daniel Rodriguez Technician of the Association of Forest Owners of Galicia. Spain	09:40	<i>Spatial analysis of ecosystem functions of planted forests - A methodology</i> M. van Eupen et al. , Netherlands
		10:00	<i>Assessment of ecosystem goods and services provided by landscape units using remote sensing and GIS in Uttaranchal, India</i> Vijayanand and S.D. Sharma , India
10:30	<i>Pinus pinaster marketing</i> Mr. Luc Raucent , General Delegate of the Association of Pine Wood Industries of Aquitaine. France	10:20	<i>The quantification of goods and services from forested areas: A comparison between India, Germany and the Netherlands</i> P. van der Meer et al. , Netherlands
11:00	REFRESHMENT BREAK	11:00	REFRESHMENT BREAK
11:30	<i>Agroforestry – Success in North West India</i> Mr. Hara Surindar , Forest Owner, Agriculture Consultant World Bank, Agriculture Expert FAO. India	Session	Interactions between plantations and other land uses
12:00	<i>The Cultivated Forests in the Southern Europe: Outlook and Trends</i> Mr. Yves Lesgourgues , Director of the Regional Center of the Forest Property.	11:30	<i>How can fast-growing plantations help promote forest ecosystem protection and social acceptance of forestry in Canada: An example from a large public forest in Québec</i> H. Rheault and C. Messier , Canada
		12:00	<i>Forest plantations in central Africa: A powerful tool for natural forests management, conservation and restoration</i> J.N. Marien and B. Mallet , Congo
12:30	<i>Making the most of the singularities of pine wood</i> Mr. Jean Pierre Ogiatti , Director del Consulting CIRIS	12:20	<i>The multifunctional role of forests on sand dunes in Atlantic Europe</i> E.P. Farrell , Ireland
13:00	PLENARY DISCUSSION	12:40	<i>Targeting new forests in Australia for multiple environmental benefits</i> Phil Polglase , Australia
13:30	LUNCH BREAK	13:00	LUNCH BREAK

Thursday 5 th October - Afternoon			
Time	The Role of Planted Forests in Sustainable Development	Time	Ecosystem Goods and Services from Planted Forests
Session	Economic Viability, Marketing and Innovation	14:00	POSTERS OF THE DAY (23)
15:30	<i>The role of forest-vegetation feedbacks in local and regional climates: the hydrological-cycle in Southern Europe</i> Mr. Millán Millán , Industrial Engineer, Ph.D. Member of the EC 6th Framework Programme's External Advisory Group in Global Change and Ecosystems		
16:00	<i>Financing the silviculture</i> Mr. Christian Pinaudeau , Secretary General of the Union of Sylviculturalists of Southern Europe		
16:30	REFRESHMENT BREAK	16:30	REFRESHMENT BREAK
		Session	Plantations and rural livelihoods
17:00	<i>New perspectives for the forest sector in the framework of the European Union Forestry Strategy</i> Mr. Angel Angelidis , Adviser for Budgetary Issues of the European Parliament	17:00	<i>Bargaining benefits - Local people between out-grower schemes and reforestation programs</i> B. Pokorny, L. Hoch and J. Maturana , Germany
17:30	<i>Certification as a marketing tool, situation and trends</i> Ms. Ana Belén Noriega , General Secretary of PEFC Spain	17:30	<i>The role of Eucalyptus plantations and post-clearance regrowth in Amazonian subsistence hunting</i> L.T.W. Parry et al. , United Kingdom
		17:50	<i>Are small scale plantations an alternative to forest depletion in Central Vietnam?</i> P. Koponen, M. Boissiere and I. Basuki , Indonesia
18:00	PLENARY DISCUSSION	18:10	<i>Ecosystem goods and services from plantations to support livelihoods of the rural poor in India</i> R. V. Singh , India
		18:30	<i>Environmental goods and services from Kalakpa Resource Reserve</i> T. van der Sluis et al. , Ghana
18:30	END OF THE DAY	18:50	END OF THE DAY

Time	Friday 6 th October - Morning
Session	Plantation management to optimise the provision of ecosystem goods and services
09:15	<i>Keynote: Silvicultural options to enhance the supply of selected goods and services from plantations</i> J. Bauhus and J. Schmerbeck Germany
09:45	<i>Measuring the effectiveness and ecological services of forest plantations in Mexico – Examples from national parks</i> A. M. Sammet , Canada
10:05	<i>Use of wood ash as a fertilizer in forest plantations destined for wood and fuel production</i> A. Merino , Spain
10:25	POSTERS OF THE DAY I (9)
11:00	REFRESHMENT BREAK
Session	Plantation Management and soils
11:40	<i>The effect of site preparation on water and soil protection in radiata pine plantations in the Basque Country</i> N. Gartzia-Bengoetxea et al. , Spain
12:00	<i>The unsustainability of some Pinus radiata plantations in the Basque Country (northern Spain)</i> J. Olarieta et al. , Spain
12:20	<i>Yield decline and sustainability in Cunninghamia lanceolata (Chinese fir) plantations - A simulation investigation to analyse the possible causes</i> J.A. Blanco et al. , Canada / China
12:40	POSTERS OF THE DAY II (9)
13:30	LUNCH BREAK

Time	Friday 6 th October - Afternoon
Session	Forest policies and market mechanism to enhance the provision of ecosystem goods and services from plantations
14:30	Keynote: Policies to enhance the provision of ecosystem goods and services from plantations Peter Kanowski , Australia
15:00	The effectiveness of sustainable management standards for forest plantations: an empirical analysis based on poplar plantations in Italy L. Secco and D. Pettenella , Italy
15:20	Designing for resilience: concepts and applications in managed forest landscapes in British Columbia, western Canada CANCELLED E. Hamilton , Canada
15:40	Review of methods for assessing ecosystem services from planted forests in Australia R. J. Keenan , Australia
16:00	REFRESHMENT BREAK
16:30	Concluding discussion
17:15	Closing Note Mr. Alberto Ibarrola , President of the Association of Forest Owners of the Basque Country, Spain
17:30	End of the Conference

Saturday 7th October

FIELD TRIP

THE AMURRIO MULTI-FUNCTIONAL FOREST

Departure: 9:00 am from the Bilbao Exhibition Centre

Return: 5:00 pm to the Bilbao Exhibition Centre

BACKGROUND

Amurrio is a Basque town with some 10.000 inhabitants, located half an hour south of Bilbao. It is situated in the Ayala Valley and has a mild Atlantic Climate, with an annual average temperature of 12°C. It receives ~1200 mm of precipitation annually, and has no dry period. Altitudes range from 200 to 1000 m above sea level.

In Amurrio, over 96% of the population are employed in industry and related services - the main source of income in the area. The other 3.7% of the population work in the primary sector. The landscape is dominated by *Pinus radiata* plantations, with a few native forest remnants.

The municipality owns about 900 ha of forest, (600 ha Radiata pine plantations and 300 ha native forests and broadleaves) and is firmly committed to sustainability and to the establishment of multi-functional forests.

THE FIELD TRIP

The field trip will entail a 6 km guided hike through the municipal forest, along the well-maintained hiking trails. Alternative minibus transport and a shorter walking distance will be possible for a smaller group, if required.

During the hike, forest managers and researchers will explain measures and approaches to multifunctionality. More specifically, the following topics will be addressed:

1. Timber production - current approaches
2. Grazing in the forest for mutual benefits
3. Recreation facilities, trails and education
4. Improving biodiversity
5. PEFC certification

More information on Amurrio is available at: www.amurrio.org

POSTER PROGRAMME

WEDNESDAY 4TH OCTOBER

Sessions: Plantations and biodiversity; Plantations and carbon; Plantations and water

POSTERS OF THE DAY: 14:00- 15:10

Poster Number	
1	<i>Undergrowth vegetation and the ecological effects of exotic tree plantations on species diversity in southern and central Benin</i> J. Djego and B. Sinsin , Benin
2	<i>Role of community forest plantations in biodiversity conservation in Java, Indonesia</i> U. J. Siregar et. al. , Indonesia
3	<i>The role of primary forest corridors for understorey bird communities within a plantation landscape in lowland Amazonia</i> J.E. Hawes et. al , United Kingdom
4	<i>Carbon sequestration potential in the plantations of Madhya Pradesh (India)</i> P. K. Pande , India
5	<i>Carbon stocks in logging residues of Pinus radiata and Pinus pinaster stands depending on thinning regime.</i> M.A. Balboa-Murias et. al. , Spain
6	<i>Growing stock-based assessment of the C stock in a pilot zone of Northern Spain: A comparison of biomass equations and biomass expansion factors</i> F. Solla-Gullón et. al. , Spain
7	<i>Assessment of productivity and carbon sequestration capacity of Gmelina arborea monoculture plantations using the CO2FIX model</i> J. C. Onyekwelu and B. Felbermeier , Nigeria
8	<i>Tree stand development and carbon stock – Is Acacia mangium plantation a viable land use option to increase carbon storage?</i> Mulawarman et. al. , Indonesia
9	<i>Stand management diagrams for Pinus nigra plantations and its employment for estimating volume, biomass and carbon pools</i> P. Valbuena et. al. , Spain
10	<i>Biomass production in Pinus radiata plantations in Asturias (NW Spain)</i> E. Canga et. al. , Spain
11	<i>Management practices for sustainable returns of wood and carbon sequestration from hybrid poplar plantations in the Canadian Prairie region</i> C. Welham et al. , Canada
12	<i>Trial of species for biomass production in an area of savanna in the State of Mato Grosso, Brazil</i> Carlos A. M. Passos et. al. , Brazil
13	<i>Carbon stock of a smallholder perennial agroforest system in a densely populated rural area of southern Cameroon</i> D. J. Sonwa et. al. , Cameroon
14	<i>3-PG process-based model and flux measurements in Eucalyptus globulus Labill. in Portugal</i> L. Fontes , Portugal
15	<i>Best management practices and forest - water integrated management in forest plantations: Ensuring the provision of environmental services</i> S. Gayoso and J. Gayoso , Chile

THURSDAY 5TH OCTOBER

**Sessions: Plantations and methodologies to access ecosystem goods and services;
Interactions between plantations and other land uses; Plantations and rural livelihoods**

POSTERS OF THE DAY: 14:00- 16:30

Poster Number	
16	<i>Quantification and valuation of provisioning services provided by Plantations – A comparative study in hills and plains of Northern India</i> A. Naithani et. al. , India
17	<i>Methods for evaluation of goods and services from plantations</i> R. Pandey et. al. , India
18	<i>Valuation of ecosystem services from planted forests: Prevention of wind erosion - A case study from Haryana, India</i> M. S. Gusain et. al. , India
19	<i>Impact of clonal Eucalyptus plantations on the soil nutrient status vs agricultural crops on farmland in Andhra-Pradesh</i> A. Ponnambalam and Y. Sridhar , India
20	<i>Judging the book by its cover: A case study on the valuation of the aesthetic functions of planted forests</i> S. Slots , The Netherlands
21	<i>Imitating Natural Ecosystems through Successional Agroforestry for the Regeneration of Environmental Functions and Services- A Case Study of Smallholder Agriculture on Degraded Lands in Northeastern Brazil</i> J. Schulz , Germany
22	<i>Lessons learned from European plantations for rural development and biodiversity conservation</i> S. Lovera-Bilderbeek ,
23	<i>Value of habitat function in planted forests - A case study in Haryana, India</i> A. K. Saxena et. al. , India
24	<i>Sustaining ecosystem goods and services from indigenous plantations: a case study of sacred plantations in India</i> Y.D. Jadhav and T Jadhav , India
25	<i>Integrated management of Pinus merkusii plantations in Java</i> E. Suwarni and S. Doso , Indonesia
26	<i>Regeneration of NTFPs on private lands and their contribution to income generation and biodiversity conservation in rural Nepal</i> Khatri-Chhetri , Japan
27	<i>Planted forests provide opportunities for sustainable development in Haryana, India</i> P.P. Bhojvaid , India
28	<i>The Restoration of degraded forests in Ghana -The role of plantations</i> D. Blay et. al. , Ghana
29	<i>Impacts of Sissoo dieback disease on the livelihood patterns of rural peoples in Eastern Nepal - A case study from Sunsari and Dhanusha district.</i> B. Koirala , India
30	<i>Integration of smallholders into industrial global forestry - A systems analysis from a community development point of view</i> A. Boulay , Australia
31	<i>The importance of regulation functions for local communities in forest areas in Uttaranchal, India</i> H. Mathijssen , The Netherlands
32	<i>Food for thought - quantification and valuation of the food production function of a private and a public forest in The Netherlands</i> D.C.M. Beugelsdijk et. al. , The Netherlands
33	<i>The importance of information functions provided by forest - A case study in Garwhal hills, Uttaranchal state, India</i> F.Djafar , The Netherlands
34	<i>Importance of the provisioning services provided by forests - A case study in Garwhal hills, Uttaranchal state, India.</i> C. Bairaktari , The Netherlands
35	<i>Optimizing the provision of ecosystem goods from Pinus pinea forest plantations in Lebanon - Constraints and perspectives</i> T. Masri and R. Masri , Lebanon
36	<i>Development of value added products from planted forests.</i> R. Dayal , India
37	<i>Non- food and food uses of the multi-purpose Baobab tree (Adansonia digitata L.) in the parkland agroforestry systems of Benin (West Africa)</i> A.E. Assogbadjo et. al. , Benin

FRIDAY 6TH OCTOBER

Sessions: Plantation management to optimize the provision of ecosystem goods and services plantation management and soils

POSTERS OF THE DAY I: 10:25- 11:00

Poster Number	
38	<i>The plantations of Argan tree (Argania spinosa L.Skeels) in the Aouss Massa region, Morocco - Results and perspectives</i> B. Jaafar et. al. , Morocco
39	<i>Genetic and silvicultural improvement and biological control as sources of sustainability for Eucalyptus plantations in Cantabria (northern Spain)</i> C. Tejedor , Spain
40	<i>Biomass production and concentration of nutrients of Tectona grandis Lf. planted in eight space arrangements, in Cáceres-MT, Brazil</i> C. A. M. Passos et. al. , Brazil
41	<i>Silvicultural tools for managing planted forests for interacting goods and services - A review of working management plans</i> A. K. Hooda and N. Hooda , India
42	<i>Indigenous Traditional Knowledge (ITK) - integrated biodiversity-oriented approaches for plantations - Research needs and priorities</i> S. Biswas and S.S. Negi , India
43	<i>Cultivating Australian Red Cedar (Toona ciliata) underneath three different nurse tree species in north-eastern Argentina</i> J. Dordel , Canada
44	<i>Silvicultural systems and tools in management of goods and services from forest ecosystems and plantations in India</i> R. K. Srivastava et. al. , India
45	<i>Rehabilitation of sodic soils by tree plantations</i> S.D. Sharma , India
46	<i>Effect of plantation on soil parameters in the Himalayan foothills of Himachal Pradesh, India</i> S. Schrader et. al. , Germany

Sessions: Plantation management and soils; Forest policies and market mechanisms to enhance the provision of ecosystem goods and services

POSTERS OF THE DAY II: 12:40- 13:30

Poster Number	
47	<i>Amelioration of several soil types through charcoal application and the influence on the growth of Acacia mangium Willd. plantations</i> C. A. Siregar and T. Kato , Indonesia
48	<i>Recycling of paper mill effluent to a Pinus radiata (Radiata Pine) plantation: Effects on trees and soils after 10 years of irrigation</i> P. Hopmans et. al. , Australia
49	<i>Relationship between the site index of Pinus radiata D. Don and soil properties in Asturias</i> E. Afif et. al. , Spain
50	<i>Minimizing soil disturbances in forest operations based on soil traffic ability modelling and planning</i> D. Vega-Nieva et. al. , Spain
51	<i>Effect of tailing treatments on Eucalyptus pellita and Gmelina arborea growth for rehabilitation of devastated gold mining forest lands in West Java, Indonesia</i> C.A. Siregar and I.W.S. Dharmawan , Indonesia
52	<i>Bio-geo-chemical cycles and their practical implications in management</i> P.P. Bhojvaid , India
53	<i>Institution building for improved livelihood through Planted Forests: A case study from Uttarakhand</i> D. Khanna et. al. , India
54	<i>Balance between conservation and extensive utilisation of forest resources in the Republic of Moldova</i> V. Gulca , Moldova
55	<i>Assessment and valuation of cultural services provided by plantations in the plains of Northern India</i> C.J. Singh et. al. , India