



# ICFRE

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**INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION**  
P.O. New Forest, Dehradun (Uttarakhand)



## ICFRE NEWSLETTER

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July – December 2012

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In this issue :

1. 24th Session of International Poplar Commission (IPC)
  - Release of the country report on the State of Forest Genetic Resources
2. ICFRE Board of Governors (BOG) Meetings
  - Dr. V.K. Bahuguna, DG, ICFRE chaired a session at COFO 2012
  - Release of books on "Forest Biodiversity in India" and "Forest Sector Report India 2010"
3. Memorandum of Understanding between ICFRE and the Chinese Academy of Forestry
  - DG, ICFRE chaired a session on Climate Change and Biodiversity Conservation and Adaptation at COP – 11
  - Training Programmes
5. ICFRE participation in foreign meetings/ workshops/ symposia etc.
6. Workshops/Seminars/ Meetings etc.
7. Research Findings
9. Publications
  - Stakeholders' Meeting
  - Consultancies
10. Rajbhasha News
  - Visits of Dignitaries
11. Miscellaneous
13. DG, ICFRE elected as vice-chairman of APAFRI
  - Foundation Stone of Foresters' Memorial at FRI
14. Review of Research Projects
  - Achanakmar-Amarkantak Biosphere Reserve under World Network of Biosphere Reserves
  - Discussion with Expert Group from China on Thematic Program Network-1 (TPN1) of UNCCD
15. Direct to Consumer Scheme
  - Importance of fringe forest for food and water security
16. DG, ICFRE Visited ICFRE Institutes
  - ICFRE contributes to flood relief in Uttarkashi

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### Back Cover

1. Agroforestry Plantation
2. Delegates of IPC 2012
3. Cultural Programme during IPC 2012

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|-------|
| 1     |
| 2 3 4 |

## Patron's Column



Indian Council of Forestry Research and Education (ICFRE), Dehradun has reoriented its focus towards addressing the livelihood issues of farmers, tribals rural folks and fringe forest dwellers. A Centre for Forest based Livelihoods and Extension (CFLE),

has been initiated at Agartala and a new division Himalayan Ecology & Human Dimension has been created at FRI, Dehradun to implement the new priorities.

All India coordinated Project under FRA, 2006 for Conservation of Biodiversity and enhancing livelihood options for Tribals and other Forest Fringe communities, at a cost of about Rs. 5 crores is being initiated. The project will focus on enhancing livelihoods through NTFPs like Honey, Tussar and Lac, Water harvesting, capacity building, growing of medicinal plants and socio economic upliftment of tribals and fringe forest dwellers.

The Council has prepared over 50 Reclamation and Rehabilitation (R&R) Plans for mining affected areas in Bellary, Chitradurga and Tumkur districts of Karnataka and submitted it to Hon'ble Supreme Court through the Government of Karnataka. More R&R Plans are in Preparation.

ICFRE has come up with a number of publications of international standard. Two such publications, "Forest Biodiversity in India" and "Forest Sector Report India 2010" were released by the Hon'ble Minister of Environment and Forests during the COP 11 at Hyderabad. IFGTB, Coimbatore brought out country report on "State of Forest Genetics Resource", which is going to be the India chapter of the State of World's Forest Genetic Resources to be published by FAO in 2013.

ICFRE and FRI organized 24th Session of International Poplar Commission (IPC) and 46th meeting of its executive committee at Dehradun. It is for the first time that such a prestigious event of the IPC was held in India.

With a view to safeguard the future of ICFRE personnel, ICFRE Pensioners' Health Scheme (ICFREPHS) 2012 has been launched recently.

At ICFRE, we are making every effort to address the issues pertaining to Biodiversity, Climate Change, Water and Food Security and Enhancement of livelihood of poor and fringe forest dwellers of the country through forestry research, education and extension.

I hope that the Council will be instrumental in addressing the issues pertaining to poverty alleviation and environment protection through its contribution in the scientific forestry practices.

**Dr. V.K. Bahuguna**  
Director General



# 24<sup>th</sup> Session of International Poplar Commission (IPC)

ICFRE and FRI, Dehradun organized 24th Session of International Poplar Commission (IPC) and 46th meeting of its Executive Committee in October 2012 at Dehradun. It is for the first time that such a prestigious event of IPC



was held in India. The Pre ( 27 and 28 October 2012) and Post-Session (3 to 6 November 2012) tours were also organised for the delegates to poplar based agroforestry sites, clonal nurseries, plantations, germplasm bank and Plywood factories. Various technical sessions were held simultaneously during the mega event. A total of 227 delegates from 23 countries participated in the sessions. Besides, the meeting of National Poplar Commission (NPC) of India was also held and its scope was enhanced by introducing new species and re-designating it as "National Commission on Poplars, Willows and other Short- Rotation Crops" with its secretariat at FRI, Dehradun.

## Release of the country report on the State of Forest Genetic Resources by Smt. Jayanthi Natarajan, Hon'ble Minister of Environment and Forests



Smt. Jayanthi Natarajan, Hon'ble Minister releases the country report on the State of Forest Genetic Resources

The Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore, through a national consultative process, has brought out the country report on the "State of Forest

Genetic Resources (FGR)". This report was released by Smt. Jayanthi Natarajan, Hon'ble Minister of Environment and Forests, at Chennai on 22 December 2012. Smt. Gayathri

Devi, Officer on Special Duty, MoEF, Dr. N. Krishnakumar, Director, IFGTB and other senior officers were present on the occasion. Director, IFGTB informed that out of the 2863 tree species available in the country, about 270 species have been prioritized for the present, based on their potential for humankind. The report outlines the present status of FGR, *in situ* and *ex situ* conservation initiatives adopted in the country, national programmes available for conservation and management, FGR contribution in food security and poverty alleviation and research needs for FGR. The Hon'ble Minister complimented the Institute for having brought out the report in the decade of biodiversity, which is the first of its kind. The Minister was of the view that this report would benefit the forest departments, scientific and academic institutions, wood based industries, tree growing communities and other stakeholders handling FGRs. This report would form the India chapter of the State of World's Forest Genetic Resources to be brought out by FAO in 2013.



## ICFRE Board of Governors (BOG) Meetings



XLVI meeting of ICFRE BOG, held at MoEF, New Delhi

The XLVI meeting of ICFRE BOG chaired by Dr. T. Chatterjee, Secretary, MoEF was held on 24 August 2012 at MoEF, New Delhi. The Board discussed on the various agenda items placed in the meeting and after deliberations appreciated the efforts made by ICFRE to promote forest based artisans and action taken to create market for bamboo/paper jewellery and formation of ICFRE Welfare Society. The Board also approved the Policy on Human Resource Development in ICFRE and recommended that the matter may be referred to the Ministry for consideration. The Board also recommended that the Centre for Forest Extension, Research and Eco-tourism in Agartala should be run integrating the local self governance institutions and link it with the implementation of Forest Rights Act by providing opportunities for livelihoods. The XLVII meeting of ICFRE BOG chaired by Dr. T. Chatterjee, Secretary, MoEF was held on 20 November 2012 at MoEF, New Delhi. In the meeting, Annual Report of ICFRE for 2011-12 and Audited Annual Account for the year were placed and discussed along with other important issues. The Annual Report was approved for placing it before the Annual General Body Meeting of the ICFRE Society.

## Dr. V.K. Bahuguna, DG, ICFRE chaired a session at COFO 2012 Meet, Rome



Dr. V.K. Bahuguna, DG, ICFRE chaired a session at COFO 2012 Meet, Rome

During the World Forest Week event on Strengthening forestry in land use decisions, Dr. V. K. Bahuguna, Director General, ICFRE, Dehradun India, chaired a session on "Strengthening forestry in land use decisions" at the Committee on Forestry (COFO) 2012 Meet at Rome on 25 September 2012.

The ICFRE delegation comprised of Dr. V. K. Bahuguna, DG, ICFRE; Shri Saibal Dasgupta, DDG (Ext.) ICFRE and Shri Pankaj Aggarwal,

ADG (EM), ICFRE, Dehradun.



Shri Saibal Dasgupta, DDG (Ext.) and Shri Pankaj Aggarwal, ADG (EM) at COFO 2012

## Release of books on "Forest Biodiversity in India" and "Forest Sector Report India 2010" by Smt. Jayanthi Natarajan, Hon'ble Minister of Environment and Forests



To provide insight into the unique treasures of India's forest biodiversity, ICFRE has published a coffee table book "Forest Biodiversity in India". The book covers various parameters of biodiversity including the hotspots, diverse forest types and drivers of change. The book has been beautifully presented with a large collection of photographs from all over India and has been praised by one and all. ICFRE has also published the "Forest Sector Report India 2010".

The report covers six important sub sectors associated with forestry namely Forest Management and Community Participation; Conservation of Forests,



Smt. Jayanthi Natarajan, Hon'ble Minister releases "Forest Biodiversity in India" and "Forest Sector Report India 2010"

Wildlife and Biodiversity; Development of Forest Resources: Schemes and Achievements; Application of Science and Technology in Management; Production and Utilization of Forest Resource and Human Resource and Capacity Building. Both the books were released by Smt. Jayanthi Natarajan, Hon'ble Minister of Environment and Forests, GoI during COP-11 at Hyderabad on 17 October 2012.



## Memorandum of Understanding between ICFRE and the Chinese Academy of Forestry

India and China are taking long strides in developing linkages and collaborations in the field of forestry and environment, outlined in the objectives under the umbrella of BRICS Cooperation Agreement. The Memorandum of Understanding between the ICFRE and the Chinese Academy of Forestry (CAF) was developed to foster cooperation between the two nations in identified fields of research. The MoU was signed by Dr. V.K. Bahuguna Director General, ICFRE and Mr. Zhang Shougong, CAF President, on 31 August 2011 in



Memorandum of Understanding between ICFRE and the Chinese Academy of Forestry

Beijing. The MoU will facilitate cooperation between the two countries on identified areas of research. The MoU also paves the way to develop an Umbrella Action Plan with main emphasis on bamboo cultivation and development of industrial bamboo products and improvement programmes for important tree

species like teak, sisso, sandalwood and eucalypts among others. Appreciating the Chinese expertise in the area of bamboo cultivation and technologies for bamboo products, Dr. V.K. Bahuguna said that the same could be shared with the Council in an institutionalised manner for livelihood support, especially for the people in rural and forest fringe areas. According to DG, ICFRE this long-term bilateral collaborative programme has tremendous scope for exchange of technologies in the areas of bamboo improvement, product development and tree improvement in a bid to address livelihood issues and promote sustainable forest management.

## DG, ICFRE chaired a session on Climate Change and Biodiversity – Conservation and Adaptation sponsored by GEF at COP – 11, Hyderabad



Dr. V. K. Bahuguna, DG, ICFRE addressing the session on COP - 11 at Hyderabad

Dr. V. K. Bahuguna, DG, ICFRE chaired a session on Climate Change and Biodiversity Conservation and Adaptation during the COP – 11, Convention on Biological Diversity on 17 October 2012 at Hyderabad. Dr. Bahuguna, while summarizing the

session, stressed the need for food and water security by focusing on management of forest fringe areas.

He emphasised the need to integrate biodiversity conservation with climate change and also link biodiversity conservation to

communities, particularly those living in the forest fringe areas, which support the livelihoods of nearly 300 million people.

DG, ICFRE also mentioned that ICFRE has created separate divisions for 'Biodiversity Conservation' and 'Panchayat and Human Dimensions' to cater to the livelihood issues including biodiversity conservation for the rural people. He further mentioned that ICFRE is in the process of reassessing the Forest Types of India and come out with a change matrix to indicate the vegetational changes that have occurred during the last 90 years in the Forest Types of India as a result of climate change.

## Training Programmes

ICFRE, Dehradun organized a two days training workshop on "The Significance and Scope of

REDD/REDD+ for India's Forests" on 7 and 8 November 2012. The training was sponsored by MoEF. Sixteen IFS officers from different states attended the training workshop. ICFRE, Dehradun organized one week training programme on

"Climate Change and Carbon Mitigation" for Scientists and Technologists from 19 to 23 November 2012. The training was sponsored by Department of Science and Technology, Government of India. Nineteen scientists/ technologists from



different government organizations participated in the training programme.

**ICFRE, Dehradun** organized five trainings for "Capacity Building of Scientific/ Managerial Cadre/ Research support staff of the Council" during 1 July to 31 December 2012 in collaboration with Institutions of the national repute like Indian Institute of Forest Management (IIFM) Bhopal, Sophisticated Instrumentation Centre for Applied Research and Testing (SICART), Ahmedabad and Punjab Agricultural University (PAU), Ludhiana. Two trainings were organized for research support staff at TFRI, Jabalpur and AFRI, Jodhpur during the period. A total of 68 scientists/research support staff attended the trainings.



Dr. V.K. Bahuguna, DG, ICFRE lighting the lamp on the inauguration of the training

**ICFRE, Dehradun** organized one week training programme on "Climate Change, Forest Ecosystems and Biodiversity: Vulnerabilities and Adaptation Strategies" for scientists and technologists working in Government Sector from 17 to 21 December 2012. The training was sponsored by Department of Science and Technology, Government of India. Twenty-two scientists/ technologists from different government organizations participated in the training.

**FRI, Dehradun** organized a short –term training course on "Development of Green Belts"



Participants and organizers of training workshop on "The Significance and Scope of REDD/REDD+ for India's Forests"

from 13 to 17 August 2012. The training was attended by 8 participants from NTPC (Bhubaneshwar), Himachal Pradesh Forest Department, Andhra Pradesh Power Generation Corporation, NMDC (Chattisgarh) and Kochi Refineries (Kerala). The institute also organized training on "Practical approaches for raising healthy nurseries and plantations in forestry" from 24 to 28 September 2012 for forest officials of Uttarakhand.

**FRI, Dehradun** organized a one week training programme on "Assessment of Soil Quality Indicators" from 3 to 7 December 2012. Participants from various institutes like Central Soil and Water Conservation Research and Training Institute, Dehradun, National Botanical Research Institute, Lucknow, Arid Forest Research Institute, Jodhpur and Uttarakhand State Forest Department attended the training course.

**RFRI, Jorhat** conducted training-cum-workshop on "Application of GPS in Forestry" for a group of 25 Officers from Nagaland Forest Department from 30 July to 1 August 2012. The programme was sponsored

by State Environment and Forestry Training Institute, Government of Nagaland, Dimapur, Nagaland. The institute also conducted training of Range Forest Officer Trainees from Central Academy of State Forest Service (CASFOS), Burnihat (Assam) from 21 to 23 November 2012.

**IFGTB, Coimbatore** conducted an awareness training workshop on "The Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)" on 30 and 31 August 2012 for various agencies involved in CITES implementation in South India. About 42 participants from various State Forest Departments, Customs and Excise, Police, Directorate of Revenue Intelligence and Forestry Research Institutes attended the training.

**IFGTB, Coimbatore** organized a five- day refresher training programme for the Indian Forest Service officers on "Forest Genetic Resource Management" from 10 to 14 September 2012 sponsored by the MoEF, Govt. of India. A total of 25 IFS officers at the level of APCCFs, CCFs, CFs and DFOs from Andhra Pradesh, Kerala, Karnataka, Tamil Nadu, Odisha, Madhya Pradesh, Maharashtra,



Jharkhand, Chhattisgarh, Uttarakhand, Assam, West Bengal, Sikkim, Bihar, Haryana, Uttar Pradesh, and Andaman & Nicobar Islands participated in the training.

**IFGTB, Coimbatore** organized a three - day training programme on "Role of Biodiversity Conservation in Poverty Alleviation and Rural Livelihood" under SLEM Project from 29 to 31 October 2012. The training was conducted for officials from Revenue, Agriculture, Horticulture and Animal Husbandry departments, representatives from NGOs and farmers. Shri T.S. Srinivasa Murthy, IFS, Chief Conservator of Forests, inaugurated the training programme as Chief Guest.

**IWST, Bangalore** conducted a short term training- cum- workshop on "Cultivation and Nursery Practices of Sandalwood and Melia dubia" from 21 to 24 August 2012 for the officials of the Karnataka Forest Department.

**IWST, Bangalore** conducted training course on "Field Identification of Important timbers" from 19 to 21 November 2012 for 13 RFOs of Karnataka Forest Department and 2 participants from private organizations.

**HFRI, Shimla** organized training -cum- demonstration

programme to popularize the temperate medicinal plants amongst masses in collaboration with Krishi Vigyan Kendra, Reckong Peo on 4 October 2012. The institute also organized two days training and demonstration programme on "Cultivation of Important Temperate Medicinal Plants - An Option for Diversification and Additional Income for Farmers" under the aegis of National Medicinal Plants Board, New Delhi, at Wildlife Interpretation Centre, Manali, District Kullu (HP) on 18 and 19 November 2012 in active collaboration with Krishi Vigyan Kendra (KVK), Bajura of Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishwavidyalaya (CSKHPKV), Palampur (HP). Approximately 50 participants along with resource persons were present during the training programme.



Training on "Scientific Methods of Lac Cultivation" at IFP, Ranchi

**IFP, Ranchi** organized two training programmes on "Scientific Lac Cultivation for Sustainable Livelihood" from 17 to 19 August 2012 for the Scientists and RO/RA of ICFRE

and from 18 to 22 September 2012 for 23 progressive farmers. The institute organized a five-day training programme on "Bamboo propagation, cultivation and management for sustainable livelihood" from 24 to 28 September 2012 for 31 progressive farmers. The institute also organized 5-day training programme on "Livelihood Generation through Non Timber Forest Product and Medicinal Plants" from 12 to 18 October 2012 for 27 progressive farmers. All the training programmes were sponsored by State Institute of Rural Development (SIRD), Ranchi, Jharkhand.

**TFRI, Jabalpur** organized four training programmes on "Collection, Value Addition and Marketing of Non-Timber Forest Products" at the institute during the months of September and October 2012 for the members of Rajiv Gandhi Mission for Watershed Management.

**TFRI, Jabalpur** organized a training programme on "Sustainable Land Management and Water Conservation" under SLEM Project from 25 to 27 September 2012.

**AFRI, Jodhpur** organized a five-day training programme on NWFP from 10 to 14 December 2012. The training was attended by 25 trainees from different ICFRE institutes.

### ICFRE Participation in Foreign Meetings/Workshops/Symposia etc.

**Dr. V.K. Bahuguna**, DG, ICFRE; Dr. P.P. Bhojvaid, Director, FRI, Dehradun; Dr. S.C. Joshi, Director, IWST, Bangalore; Shri A.S. Rawat, Head, Silviculture Division, FRI, Dehradun and Shri Sudhir Kumar, Scientist-F/ Special Director, ICFRE, Dehradun visited China to attend 6th Assembly Meeting of APAFRI and "International Symposium on

Sustainable Management of Tropical Forests (ISSMTF)" from 31 August to 3 September 2012.

**Dr. P.P. Bhojvaid**, Director, FRI, Dehradun visited Thailand to attend "Expert Group Meeting on National Forest Finance Strategy" on 28 and 29 September 2012.

**Dr. N.S. Bisht**, Director (IC), ICFRE, Dehradun visited Bhutan to participate in the meeting of Heads of Forestry Research Institutes / Centres of the SAARC Region on 10

and 11 October 2012.

**Dr. N. Krishna Kumar**, Director and Dr. A. Karthikeyan, Scientist-D, IFGTB, Coimbatore visited Malaysia to attend "International Symposium on Reclamation, Restoration & Rehabilitation towards a Greener Asia" from 3 to 5 July 2012.

**Dr. N. Krishnakumar**, Director, IFGTB, Coimbatore visited Malaysia to attend "Regional Workshop on Forest Genetics Resources in Asia" from 12 to 14 September 2012.



**Dr. V.R.R. Singh**, Director, HFRI, Shimla, Dr. Dinesh Kumar, Scientist-F, FRI, Dehradun and Dr. Ombir Singh, Scientist-D, FRI, Dehradun visited Nepal for inspection of field work of Ph.D. students of Institute of Forestry, Nepal from 30 July to 3 August 2012.

**Dr. Sudhanshu Gupta**, Secretary, ICFRE, Dehradun visited Bhutan to participate in the Sixth Governing Board Meeting of SAARC Forestry Centre on 3 and 4 September 2012.

**Dr. O.K. Remadevi**, Scientist-G, Dr. R. Sundararaj, Sct.-F and Shri S.H. Jain, Scientist-C, IWST, Bangalore visited Hawaii, USA to attend International Sandalwood Symposium from 21 to 24 October 2012.

**Dr. V.P. Tewari**, Scientist-F, IWST, Bangalore visited China to attend

International Workshop on "Forest Observational Studies: Design and Analysis from 19 to 21 September 2012.

**Dr. B. Nagarajan**, Scientist-F, IFGTB, Coimbatore visited USA to attend International Conference on "Phenology 2012" from 10 to 13 September 2012.

**Dr. N. Senthil Kumar**, Scientist-D, IFGTB, Coimbatore visited Japan on an exposure visit sponsored by DST from 22 to 30 September 2012.

**Dr. R.K. Kalita**, Scientist-D, RFRI, Jorhat visited Thailand to attend workshop on "Mitigation of Climate Change through Precision Agriculture" from 17 to 19 September 2012.

**Dr. K.P. Singh**, Scientist-C, FRI, Dehradun visited Sri Lanka to

attend workshop on "Stakeholder Engagement to Enhance Development and Productivity of Tree Outside Forests (TOF)" from 14 to 16 November 2012.

**Dr. Ranjeet Kumar**, Scientist-C, RFRI, Jorhat visited Japan to attend DST sponsored Training Programme under scheme "National Programme for Training of Scientists and Technologists working in Govt. Sector" from 20 to 30 September 2012.

**Shri R.K. Meena**, Scientist-B, RFRI, Jorhat, Ms. Amita Pandey, Scientist-B, IWST, Bangalore and Shri T.C. Bhuyan, R.O., RFRI, Jorhat visited China to participate in the "Bamboo Technology Training Course" from 20 June to 14 August 2012.

## Workshops / Seminars / Meetings



Interactive Workshop on "Findings of Baseline Study and Monitoring and Evaluation Framework" at ICFRE, Dehradun

**ICFRE, Dehradun** organised a two-day 'Interactive workshop on findings of the baseline study and monitoring and evaluation framework' under SLEM project on 16 and 17 July 2012. The workshop was attended by senior officers and experts from the Ministry of Environment and Forests, New Delhi, SLEM project partners, nodal officers of ICFRE institutes, NRM Division of ICAR, New Delhi, NRSC, Hyderabad, WII, Dehradun, SLUSI, New Delhi and officials of the World Bank. The two-day deliberations focused on findings of the baseline study on various thematic areas, viz. Land Management, Climate Change,

Biodiversity Conservation, Policy and Institutional Reform, Monitoring and Evaluation Framework and Communication Strategy for SLEM-CPP.

**FRI, Dehradun** organized a workshop on "Sustainable Management and Livelihood Opportunities" on 3 and 4 October 2012. The two days workshop aimed at communicating and disseminating various technologies to the farmers, members of Panchayati Raj Institutions, and NGOs. The workshop was inaugurated by Dr. Aziz Qureshi, Hon'ble Governor, Uttarakhand. Dr. V.K. Bahuguna,



Dr. Aziz Qureshi, Hon'ble Governor, Uttarakhand in the Inaugural Session of workshop on "Sustainable Management and Livelihood Opportunities"

Director General, ICFRE; Dr. P.P. Bhojvaid, Director, FRI, Dehradun and other officers and scientists of ICFRE and FRI were also present during the inauguration.

**IWST, Bangalore** organized workshop for Wood & Engineered Wood Working Units under "Design Clinic Scheme" from 10 to 14 September 2012.

**Dr. V.K. Bahuguna**, DG, ICFRE inaugurated the interactive meet of tree growers and distributed casuarina seedlings developed by IFGTB for the Thane Cyclone affected farmers organized under networking of VVK and KVK at Krishi



Vigyan Kendra, Villupuram at Tindivanam, Tamil Nadu on 10 December 2012. He distributed the seedlings to the farmers of Cuddalore, Villupuram. He mentioned that ICFRE will provide all necessary support through products and technologies for tree farming and thereby improve the livelihood opportunities. He said ICFRE will explore possibilities of mechanization of harvesting. He stressed that the fringe forests should be managed properly to improve the livelihood of people. He emphasized that the integration of Van Vigyan Kendra and Krishi Vigyan Kendra would help to improve food and water security and also facilitate better technology to reach farmers. Farmers undergoing Degree Programme besides 130 farmers from Cuddalore, Villupuram and Tiruvanamalai Districts participated in the programme.

**3rd Meeting of Expert Committee** on Wildlife Protection (WPA) Act – 1972 (Plant Committee) was held on 7 September 2012 under the Chairmanship of Dr. V.K. Bahuguna, DG, ICFRE who has been nominated as the Coordinator for periodic review and scheduling of wild plants. ICFRE, Dehradun is the coordinating agency to carry out this activity and submit, every fourth year, a report, based on detailed consultations among concerned organizations and subject experts to the MoEF for the purpose of reviewing the schedule of Wildlife Protection Act-1972 and recommending inclusion/exclusion of plant species based on the consultations and deliberations regarding the importance of the subject keeping in view the parameters viz. Conservation Value/Occurrence Status; Biological Status; Socio-economic Use and Threat Perception. Shri B.S.S Reddy,

Addl PCCF, Andhra Pradesh, Shri Vinod Kumar, Addl PCCF Tamil Nadu, Dr D.K Singh, Director Botanical Survey of India, Shri P.V Chalapathi Rao, CF, Wild Life Management Circle, Tirupathi, retired Forest Officers and taxon experts and expert members from ICFRE and BSI attended the meeting. Shri Sandeep Tripathi, DDG (Research), ICFRE coordinated the meeting.

**IFGTB, Coimbatore** organized an awareness meeting on "Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Bill, 2012" on 1 October 2012. The meeting was organized to spread awareness on the Bill which was recently passed by the Lok Sabha on 3 September 2012. The meeting was addressed by Ms. S. Madhavi, Advocate, who provided details on the various provisions available in this Bill and the additions made in the earlier operative guidelines issued in 1997 by the Hon'ble Supreme Court of India.

**IWST, Bangalore** organized a one - day interactive –cum-information meeting with All India Agarbathi Association, Bangalore on 20 December 2012. About 25 members from All India Agarbathi Association attended the meeting. The institute also organized two 'Technology Marketing Meets' for prospective buyers of IWST technologies on 5 and 14 December 2012 at IWST, Bangalore. About 30 business persons attended the meetings.

**HFRI, Shimla** organized 5th meeting of Advisory Committee of "Western Himalayan Temperate Arboretum (WHTA)" under the Chairmanship of Shri S.B. Islam IFS, PCCF (Wildlife), Himachal Pradesh on 12 December 2012 at Shimla. During the meeting,

research and development works carried out by the institute were presented before the designated committee.

**TFRI, Jabalpur** organized a one - day workshop on 'Strengthening Network for Outreach of Research Findings' on 30 November 2012 to extend the research findings of TFRI, Jabalpur and other ICFRE Institutes.

## Research Findings

- Root rot disease on *Melia dubia* caused by *Fusarium* sp. was recorded for the first time in 6-months old plantation in Chennimalai, Tamil Nadu
- Leaf blight disease on *Gmelina arborea* caused by species of *Alternaria*, *Cuvularia* and *Colletotrichum* were recorded for the first time in SFD Research Nurseries at Villupuram and Dindugal, Tamil Nadu.
- Six bacterial isolates from textile dye effluents and were identified. Efficacy of all these bacterial isolates were assessed for heavy metal degradation and it was observed that most of the isolates were able to degrade the textile dye effluents. Maximum degradation was observed by *Bacillus* sp. under *in vitro* conditions.
- A full-sib diallel cross containing six combinations was harvested in 3 clones of *E. camaldulensis* released to public by IFGTB. Seeds are to be handed over to Tamil Nadu Newsprint and Papers Limited (TNPL).
- Studies on "Energy and water dynamics over young pine forest as influenced by climatic variability and land management practices" was conducted using half-an hourly micrometeorological and associated data to construct energy and water budget over



a young pine plantation through Forest Meteorological Station (FMS) tower at experimental area of FRI, Dehradun. The period covered two active growth phases of pine in different rainfall regime and with (year 2010) and without (year 2011) clearing of understorey species. This study reports for the first time the dynamics of micrometeorological behavior and highly variable response of energy and water balances in a growing chir pine system in western Himalayas and the role of management of understorey species from two years of observations.



**Forest Meteorological Station (FMS) tower at FRI, Dehradun**

- A 5 year project (2007-2012) jointly funded by ICFRE and



**Dense micro water shed at Arnigad**

UCOST on forest hydrology to study the impact of forest cover on the hydrological regime and comparison of same having dense Oak forest with a degraded micro-watershed to establish the functional relationship between forest cover and various hydrological parameters was completed recently. Two micro-watersheds viz. Arnigad micro-watershed (dense oak forest – 285 ha) and Bansigad micro-watershed (degraded oak forest – 190 ha) had been selected about 36 km from Dehradun towards Mussoorie.

Meteorological observatory had been set up at both the locations and 64,800 readings at each micro-watershed were recorded for temperature, rainfall, humidity, wind velocity and evaporation using different instruments. Soil moisture sensors were installed at different elevation and depths in each micro watershed and 70 readings of soil moisture were recorded. Initial analysis of both

meteorological data and soil moisture data has since been completed. Two weirs at the exit points of each project site were constructed and 53851 readings of water discharge were recorded. Both, hydrological and meteorological data have been recorded and thus database for first three years has been developed for analysis.

Soil samples for physio-chemical properties in different locations of each micro-watershed were also collected. About 800 water samples were collected to measure suspended load from each micro-watershed. Infiltration tests at four locations of each micro-watershed were done through double ring infiltrometer and interpretation of infiltration rate has been completed. About 5000 water and precipitation samples have been collected for isotopic and tritium analysis at NIH Roorkee. Annual budgeting of rainfall and runoff for three years has been done to indicate the relation of hydrology with forests.



**Degraded micro water shed at Bansigad**

## **Nodulation in the rooted stem cuttings of *Acacia auriculiformis***

*Acacia auriculiformis* is a legume tree and is associated with nitrogen fixing bacteria called Rhizobium. Rhizobium is present in soil, hence it easily infects the roots of *A. auriculiformis* in the field. The Rhizobium produces root nodules in the infected *A. auriculiformis*, which are the sites for nitrogen fixation. However, the rooted stem cuttings of elite clones of *A. auriculiformis*

have not shown the root nodules as they propagated in vermiculite. At IFGTB, an attempt has been made to establish root nodules in the rooted stem cuttings of *A. auriculiformis* by inoculation of cultured Rhizobium. The root nodules have emerged in the lateral roots by splitting of root cortex in the rooted stem cutting of *A. auriculiformis* after 30 days of inoculation.



**Nodulation in the rooted stem cuttings of *A. auriculiformis* due to Rhizobium inoculation**



## Publications

- ICFRE released a compendium "Changing Frontiers of Research Programs in ICFRE based on XIII Research Policy Committee (RPC) 2012 Meeting". The compendium is a compilation of the outcome of the new initiatives taken recently in the research planning and prioritization system and highlights the process of formulation of bringing the scattered and piecemeal projects into the National Programmes as All India Coordinated Projects/ Inter institutional Projects and Networking Projects.
- The SLEM-TFO has come up with following publications:
  - i) SLEM e-newsletter June 2012 Issue, Vol.3, no.1.
  - ii) Proceedings of the one day seminar on "Healthy Soil: Healthy Life"
  - iii) Proceedings of the two day workshop on "Interactive



Dr. V.K. Bahuguna, DG, ICFRE released a compendium "Changing Frontiers of Research Programs in ICFRE based on XIII Research Policy Committee (RPC) 2012 Meeting"



workshop on findings of the baseline study and monitoring and evaluation framework".

- A book, "Seed biology and bioinoculants for shola tree species-A field guide" was published by IFGTB, Coimbatore. The book was released in stakeholders meeting in Chennai on 8 August 2012.

office of PCCF, Tamil Nadu Forest Department, Panagal Maaligai, Chennai on 8 August 2012. Director, IFGTB briefed about the deliberations made during the Stakeholders Meet 2011 and the action taken on these subjects. PCCF and other senior officers who participated in the meeting, appreciated the bond between TNFD and IFGTB.

## Consultancies



Study team inspecting mine affected areas in Bellary

- "Reclamation and Rehabilitation (R&R) Plan for mining affected areas in Bellary, Chitradurga and Tumkur districts of Karnataka" R & R Plans study reports of about 50 mines of category A and B in Bellary and Chitradurga districts were prepared and submitted to the Hon'ble Supreme Court of India through the Government of Karnataka. The Hon'ble Court has appreciated the reports.
- Consultancy Project on Cumulative Environmental Impact Assessment studies (CEIAS) of hydroelectric projects of River Yamuna and Tons & its Tributaries in Uttarakhand has been awarded by the Uttarakhand Jal Vidyut Nigam Limited (UJVNL), Ujwal, Dehradun. The study will be conducted by ICFRE, Dehradun as lead organization in association with Alternate Hydro Energy Centre, IIT, Roorkee; Directorate of Cold water Fisheries Research, Bhimtal and Salim Ali Center for Ornithology and Natural History, Coimbatore. A stakeholders meeting was held on 16

## Stakeholders Meeting

ICFRE organized a series of stakeholders meets at Bellary, Chitradurga and Tumkur districts with different stakeholders for preparation of "Comprehensive Environmental Management Plans for the Mining Impact Zone" (CEPMIZ) of these districts. The



View of stakeholders meet held under the chairmanship of DG, ICFRE

focus of the plan is to ensure sustainable economic development through scientific mining and to improve the living conditions of people affected by rampant and unscientific mining. IFGTB, Coimbatore conducted a stakeholders meeting with Tamil Nadu Forest Plantation Corporation Limited (TAFCON) at Tiruchirappalli on 27 July 2012. Key field staff of the Corporation and scientist representatives from IFGTB participated in the meeting. Dr. N. Krishnakumar, Director, IFGTB welcomed all the participants. Dr. V.N. Singh, MD, TAFCON concluded the discussion. He appreciated the initiatives of IFGTB in solving some of the problems of TAFCON. The institute also conducted the 4th Stakeholders Meet 2012 in the



November 2012 at ICFRE to define the work methodology and to discuss the road map for conducting the relevant studies for generation of baseline information. Also the work on "Cumulative EIA Studies for Sutlej river basin in Himachal Pradesh" was initiated and field visits were made by a team of ICFRE and other above mentioned partners.

- One season study on physical, biological and social environment for Bina Extension and Krishnashila OCP of Northern Coal field, Singrauli M.P. was carried out for preparation of EIA/EMP report.
- Public consultation meeting was held with the project affected people and other stakeholders under the 'Comprehensive EIA/EMP studies of Bunakha Hydroelectric project' in Bhutan on 20 September 2012.

## Rajbhasha News



Dr. S.P. Singh, DDG (Admin.), Shri Saibal Dasgupta, DDG (Extn.) and Shri Sandeep Tripathi DDG (Res.) lighting the lamp at the closing ceremony of Hindi Saptah

- ICFRE, Dehradun organized Hindi Saptah from 7 to 14 September 2012. During the weeklong celebrations competitions on essay writing, noting & drafting, English to Hindi translation, Hindi typing on computer and recitation of self written poems were organized. Dr. S. P. Singh, DD (Administration) was



Dr. P. P. Bhojvaid, Director, FRI giving prizes during Hindi Saptah

the Chief Guest of the closing ceremony. Prizes and certificates were presented to the winners at the closing ceremony. Shri Saibal Dasgupta, DDG (Extension) and Shri Sandeep Tripathi, DDG (Research) were the important guests present along with about 150 officers/ scientists and officials of the ICFRE.

- FRI, Dehradun celebrated the Hindi Saptah from 11 to 17 September 2012. During the celebrations Hindi typing, noting & drafting, essay and poem competitions were organized. The prizes were distributed to the winners by Chief Guest Dr. P. P. Bhojvaid, Director, FRI during the closing ceremony.
- IFP, Ranchi observed Hindi Divas on 14 September 2012. A competition on Hindi knowledge and usage of Hindi as an official language was conducted among the Hindi and non-Hindi speaking employees.
- TFRI, Jabalpur observed Hindi Pakhawada from 3 to 14 September 2012.
- AFRI, Jodhpur observed Hindi Pakhawada from 14 to 28 September 2012. Various competitions were organized during the fortnight.
- RFRI, Jorhat organized a Hindi Workshop on 11 September 2012. Shri Ajay Kumar, Hindi Officer, North-East Institute of Science & Technology, Jorhat

was invited as Chief Speaker. The topic of the workshop was "Hindi Correspondence". The institute also organized a Hindi Workshop on 16 November 2012 on the Topic "Use of SARANSH Software".

- ICFRE, Dehradun organized a Hindi Training Workshop on 19 December 2012. The training workshop was inaugurated by Shri Saibal Dasgupta, DDG (Extension). During his inaugural address he emphasized on the use of simple, lucid and communicable Hindi. He said, using simple words of other languages being used in our day to day conversation will make it more communicable, so there is no need to hesitate in using such words. Shri Heera Vallabh Joshi, Hindi Officer, FSI, Dehradun was the chief orator who shared his vision and decades long experience with the audience. He also provided with workable solutions to the problems raised by different participants. Over 50 personnel of ICFRE attended the training workshop.

## Visits of Dignitaries

Parliamentary Committee on Science and Technology, Environment & Forests visited FRI, Dehradun on 4 July 2012. Committee headed by Dr. T. Subbarami Reddy appreciated the efforts of ICFRE in the field of forestry research, education and



Parliamentary Committee on Science and Technology, Environment & Forests at FRI, Dehradun



extension towards meeting the livelihood needs of the people living in forest fringe areas and also focusing on emerging issues of biodiversity conservation and climate change. Chairman of the committee has written letters to the Hon'ble Prime Minister, Hon'ble Forest Minister and Chairman Planning Commission regarding the recent initiatives by ICFRE and requesting for additional allotment of budget to take forestry research to higher levels.



Dr. R. Chidambaram, Former Director of BARC, Principal Scientific Advisor to Govt. of India and Chairman of the Scientific Advisory Committee to the Cabinet visited FRI, Dehradun

**Dr. R. Chidambaram**, Former Director of BARC, Principal Scientific Advisor to Govt. of India and Chairman of the Scientific Advisory Committee to the Cabinet visited FRI, Dehradun on 7 August 2012. He delivered a special lecture on the topic "The Increasing Role of S&T in India's Development". Scientists, officers of the ICFRE and FRI and students of the FRIDU attended the lecture.

**Shri Prakash Singh** Badal, Hon'ble Chief Minister of Punjab visited FRI, Dehradun on 13 October 2012. He visited various museums of FRI, Dehradun and appreciated the work done by the scientists and researchers of the institute. He also visited the PRERNA Souvenir Shop and appreciated the efforts and the artifacts.

**His Excellency Shri Shekhar Dutt**, Hon'ble Governor, Chhattisgarh visited FRI on 9



His Excellency Shri Shekhar Dutt, Hon'ble Governor, Chhattisgarh visited FRI, Dehradun

August 2012. The visiting dignitary interacted with the officers and scientists of ICFRE and FRI, Dehradun and launched the web portal [www.ntfp.marketwatch.icfre.gov.in](http://www.ntfp.marketwatch.icfre.gov.in) in which is a price dissemination system to help farmers and tribal community to watch the

market prices of non-timber forest products in India. Shri Saibal Dasgupta, DDG (Extension), ICFRE made a presentation about the activities of ICFRE before the Hon'ble Governor. The Hon'ble Governor stressed upon the role played by the non timber forest products in poverty alleviation of tribal and inhabitants of forest fringe villages and providing a means of livelihood to them. Forest products like lac, honey and tussar can play a major role in generation of income for the forest dependent people, especially in naxal affected areas, and can encourage them to refrain from naxalite and extremist activities.

**The Inspire Network team from GEF** visited the ICFRE in December 2012 to evaluate the overall performance of the SLEM-TFO project. The team evaluated

three years of the project implementation. The Project Director presented and discussed the outcomes and the future strategy of the project with the expert team.

**Shri C.V. Shankar**, IAS, Principal Secretary, Environment and Forests, Government of Tamil Nadu, visited IFGTB, Coimbatore on 21 August 2012. Dr. N. Krishnakumar presented an overview of the research and extension activities of the institute and highlighted the products and technologies developed by the institute and the services rendered to the stakeholders, particularly the farmers.

A delegation consisting of three members from Govt of Mozambique along with Mr. R R Abhyankar, former Adviser DSIR visited IWST, Bangalore on 13 July 2012.

**Dr. Abd Latif Mohmod**, Director General, Forest Research Institute Malaysia (FRIM) visited IWST, Bangalore on 28 September 2012. He was briefed about the Institute's activities by Dr. Pankaj K. Aggarwal.

## Miscellaneous

### Van Mahotsava

**FRI, Dehradun** observed Van Mahotsava on 27 July 2012. Dr. V.K. Bahuguna, DG, ICFRE was the Chief Guest of the programme. Dr. V.K. Bahuguna, and Dr. P.P. Bhojvaid,





Dr. V.K. Bahuguna, DG, ICFRE planting at FRI, Dehradun

Director, FRI planted the Rudraksh plant. Officers, Scientists and other staff from ICFRE and FRI were present during the programme.

**AFRI, Jodhpur** observed Van Mahotsav on 19 July 2012. Tree planting and cultural programmes were organized during the event.

#### Vigilance Awareness Week

**FRI, Dehradun** observed "Vigilance Awareness Week" from 29 October to 3 November 2012. Dr. P. P. Bhojvaid, Director, FRI administered the pledge to all the staff of the institute. During the

week there was an essay competition on the subject "Sarvajanic Kharid me Pardarshita". A workshop was also organized in the Board Room of FRI.

**IFGTB, Coimbatore** observed "Vigilance Awareness Week" from 29 October to 3 November 2012 and the concluding function was held on 2 November 2012. Quiz & essay competitions were conducted and prizes were distributed to the winners.

**AFRI, Jodhpur** observed

Vigilance Awareness Week from 29 October to 3 November 2012. Oath was administered by the Vigilance Officer of the institute. Essay and slogan competitions were organized during the week.

#### Himalayan Day

**FRI, Dehradun** observed the Himalayan Day on 9 September 2012. A panel discussion on environmental issues related to Himalayas was organized on the occasion. The discussion was moderated by Dr. V.K. Bahuguna, DG, ICFRE. Shri R.K. Goyal, Director, IGNFA graced the occasion as Chief Guest. On the occasion Dr. V.K. Bahuguna announced the formulation of a new division at the FRI on Himalayan Ecology & Human Dimension, which will conduct focused research on various issues related to the Himalayan Ecology. Dr. P.P. Bhojvaid, Director, FRI enthralled the audience with a pictorial presentation that highlighted various facets of the Himalayan ranges. Students of Kendriya Vidyalaya, Forest Research Institute were awarded prizes for a painting competition.

**HFRI, Shimla** organized a one day



Dr. P. P. Bhojvaid, Director, FRI administering the pledge with all the staff of FRI, Dehradun



workshop to celebrate "3rd Himalayan Day" at Conifer Campus, Panthaghati on 9 September 2012. Dr. VRR Singh, Director along with special outside invitees i.e. Mr. Durlabh Singh Puri, Life member- The Royal Horticulture Society, London and Dr. Lal Singh, Director Himalayan Research Group, Shimla and scientists of the institute were present during the workshop. The workshop was attended by about 60 participants.

**Heritage Week Celebration IFGTB and Vanavarayar** Foundation, Coimbatore jointly organised a programme to observe the Heritage Week 2012 to promote awareness of our natural and cultural heritage among younger generations thereby encouraging its conservation and preservation. On the occasion of World Heritage Week 2012, a one day cleaning of heritage site

programme at Gass Forest Museum was organised on 23 August 2012. About 30 students of Kumaraguru College of Engineering took part in the event.



Cleaning of heritage site during Heritage Week 2012

### DG, ICFRE elected as vice-chairman of Asia Pacific Association of Forestry Research Institution

Dr. V.K. Bahuguna, DG, ICFRE has been unanimously elected Vice Chairman of Asia Pacific Association of Forestry Research Institutions (APAFRI) during the sixth General Assembly of APAFRI held on 31 August 2012 at Guangzhou, China and Dr. Abd Latif Mohmod, DG, FRIM, Malaysia the Chairman with 6 Executive Members.



Dr. V.K. Bahuguna, DG, ICFRE elected as vice-chairman of APAFRI

### Foundation Stone of "Foresters Memorial" at FRI laid by Dr. Aziz Qureshi, Hon'ble Governor of Uttarakhand



Dr. Aziz Qureshi, H.E. Governor of Uttarakhand and other dignitaries at Foundation Stone of "Foresters Memorial" at FRI

History of scientific forestry in India has a long list of eminent foresters who contributed and sacrificed a lot in the development of scientific forestry in the country. A Memorial is planned to be erected at FRI, Dehradun. Foundation Stone of "Foresters Memorial" at FRI was laid by Dr. Aziz Qureshi, Hon'ble Governor of Uttarakhand on 3 October 2012 and the construction work is in progress.



**IFP, Ranchi** participated in 17th Rural Exhibition-cum-Fair Sunderban Kristi Mela- O-Loko Sanskriti Utsab organized by Kultali Milon Tirtha Society from 20 to 29 December 2012 at Kultali Milon Tirtha Society Campus. Among 23 Central Government stalls, the stall of I F P, Ranchi received big appreciation and got 4th prize for display of livelihood generation.

#### Review of Research Projects

- Monitoring and Evaluation Division under the Directorate of Research deals with the annual review and evaluation of all the ongoing research projects of ICFRE institutes. It suggests corrective measures for timely completion of the projects and achievements of the objectives with perfection. During July - December,



IFP, Ranchi stall at 17th Rural Exhibition-cum-Fair Sunderban Kristi Mela – O - Loko Sanskriti Utsab

2012 the annual review of 179 (151 ICFRE funded and 28 externally aided) ongoing and completed research projects of five ICFRE institutes was conducted and reviewed.

- Total 83 research projects have been completed by 2011. Out of this 60 PCRs have been received by

the M & E Division, ICFRE. Thirty-six project completion reports have been scrutinized and accepted by the competent authority. Letters for acceptance and submission of hard bound copies along with action taken reports of PCRs have been sent to all Directors/GCRs of ICFRE Institutes.

#### Discussion with Expert Group from China on Thematic Program Network-1 (TPN1) of United Nations Convention to Combating Desertification (UNCCD)

The expert group from China comprising of Dr. Tan Bingxiang (Professor) and Dr. Liu Hua (Associate Professor) from the Institute of Forest Resource Information Techniques, Chinese Academy of Forestry, Beijing, China reached Delhi on 10 December 2012. The Expert's Group visited the Indo-Gangetic plains and common croplands on Delhi - Mathura-Agra tract. The delegation had a meeting on 11 December 2012 at MoEF with Shri BMS Rathore, Joint Secretary and Dr. Vivek Saxena, Director, Desertification Cell. During the meeting the progress of Thematic Program Network -1 was discussed. The expert group also had discussions with FSI and PD, SLEM project at ICFRE, Dehradun.

#### Achanakmar-Amarkantak Biosphere Reserve under World Network of Biosphere Reserves

The International Council of UNESCO's Man and the Biosphere Reserve Programme (MAB) meeting in Paris from 9 to 13 July 2012 has declared Achanakmar-Amarkantak Biosphere Reserve under the World Network of Biosphere Reserves (WNBR). Achanakmar-Amarkantak Biosphere Reserve is the only interstate biosphere reserve in central India, located in an ecologically diverse and least disturbed landscape representing Tropical Dry and Moist Deciduous forests on Deccan Peninsular biogeographic region of the country, covering the states of Chhattisgarh and Madhya Pradesh. This is the first biosphere reserve of the state of Chhattisgarh and 14th of the

Indian Union. The expanse of Achanakmar-Amarkantak biosphere reserve covers 3835.51 km<sup>2</sup> of which 551.55 km<sup>2</sup> form the core zone.

The biosphere reserve harbours a rich biodiversity of great conservation value. Moist deciduous forests constituting 63% of the area dominate the biosphere reserve and provide diverse habitat to various flora and fauna. So far 1,527 species of flora and 324 species of fauna have been recorded in the site. Studies conducted by TFRI, Jabalpur, the Lead Institute for Achanakmar-Amarkantak Biosphere Reserve, epitomized the vast significance of the Biosphere Reserve which paved the way for this recognition.



## Direct to Consumer Scheme



A meeting with the members of local Panchayat and progressive farmers under the 'Direct to Consumer' scheme at HFRI, Shimla



IFP, Ranchi inaugurated the Direct to Consumer project through plantation of *Flemingia semialata*

**HFRI Shimla** organized a meeting with the members of local Panchayat and progressive farmers under the "Direct to Consumer" scheme of the Council on 8 September 2012 at village Khatnol, tehsil Sunni, Distt. Shimla, Himachal Pradesh. During the meeting, scientists of the institute highlighted the relevance of the scheme to the participants with special reference to temperate medicinal plants cultivations especially Atish, Chora, Kutki etc. Similar Programme with the thrust on "Nursery Techniques of Atish and Chora – important temperate Medicinal Plants" under "Direct to Consumer" scheme was also conducted at village Khatnol of Distt. Shimla (HP) on 25 November 2012. About 25 participants attended this training programme.

**IFP, Ranchi** inaugurated the "Direct to Consumer" project through plantation of *Flemingia semialata* on 31 August 2012 at Jeevari village of Khunti district.

**Centre for Forest based Livelihoods and Extension (CFLE), Agartala** conducted public consultations on 5 and 6 November 2012 to identify suitable target groups in Tripura to establish a demo plot for the demonstration of broom grass based agro forestry model under the 'Direct to Consumer Scheme' of ICFRE. The target group is a group of JFMC members who are already engaged with Broom grass business in Depachhera, North Tripura.

## Importance of fringe forests for food & water security

On 22.11.2012, the Director General, ICFRE Dr. V. K. Bahuguna was invited by the Chairman of the Scientific Advisory Committee to the Cabinet, GOI, Dr. R. Chidambaram, to make presentation before the Committee in Vigyan Bhawan Annexe, New Delhi on Fringe Forests vis-à-vis Food and Water Security in India.

The presentation was attended by the Scientific Advisory Committee members i.e. Scientific Secretary, Office of the PSA, Secretaries of Deptt. of Science & Technology, DRDO, MS&E, IAS, Agriculture, DOS; Directors of

IISER, IISc and Vice Chancellor, Delhi University; etc

In the presentation, the DG, ICFRE, Dr. V.K. Bahuguna, brought out the importance of fringe forests for food & water security. He stated that degraded and neglected eco-system have resulted in low food grain production in down stream areas resulting in more poverty, loss of biodiversity, depletion of water resources and degradation of fringe forests. Solution for achieving this is a holistic approach of integrated land water based activities of agriculture, forests, animal husbandry, fisheries, rural development and horticulture. Dr Bahuguna also informed the members the success stories in Fakot, Uttarakhand, Hivre Bazar, Budelkhand Model, Joint Forest Management as strategy to link

livelihood with conservation and poverty reduction in Naxal affected areas through lac cultivation on *flemingia*. He also emphasized that 85 million ha of rain fed forests and 32 million ha fringe forests have a scope to improve productivity substantially by taking appropriate soil and water conservation measures, NTFP management and to enhance the livelihood opportunities.

The Scientific Advisory Committee appreciated the presentation made by Dr. Bahuguna and recommended that in view of the importance of area, the matter be brought to the kind attention of the Prime Minister's office, Planning Commission, Ministry of Environment & Forests and other concerned Ministries/ Departments.



## Visit of DG, ICFRE to ICFRE Institutes



Dr. V.K. Bahuguna, DG, ICFRE at TFRI, Jabalpur

Dr. V.K. Bahuguna, DG, ICFRE visited TFRI, Jabalpur from 30 July to 1 August 2012. He reviewed the various research activities of the institute and addressed the press.



Dr. V.K. Bahuguna, DG, ICFRE at Red Sanders Timber Depot, Kapilatheertham, Tirupathi

He also announced the opening of "Advance Centre for Eco rehabilitation for Mined Overburden" at TFRI. During the visit of Dr. V.K. Bahuguna, D.G., ICFRE to Tripura, a meeting was organized on 27 November 2012 at the Conference Hall, PCCF Office, Aranya Bhavan, Agartala, Tripura with the officers of the Forest Department, Tripura to discuss the research and extension activities

to be taken up by the Centre for Forest based Livelihoods and Extension (CFLE), Agartala to strengthen the coordination between ICFRE and Tripura Forest Department. Shri S. Talukdar, P.C.C.F., Dr. N. S. Bisht, Director RFRI, Shri P. K. Kaushik, Regional Director, CFLE, Agartala, and other senior officers attended the meeting.

DG, ICFRE visited the Red Sanders Timber Depot, Kapilatheertham, Tirupathi and Wild Life Forest Division, Tirupathi on 13 December 2012. Director General ICFRE along with Director IWST, Mr. Joseph, Additional PCCF, and Mr. Raghuveer, Director, AP Forest Academy, visited FRC, Hyderabad on 11 September 2012 for laying of foundation stone of 'Training Cum Extension Centre'. Director General also reviewed progress on the project on reassignment of Forest Types of Andhra Pradesh and NRAA funded project.

## ICFRE contributes to flood relief in Uttarkashi



Dr. Sundarlal Bahuguna; Dr. Anil Joshi; Dr. V.K. Bahuguna, DG, ICFRE; Shri P.P. Bhojvaid, Director, FRI and other officers at the occasion of flagging off the flood relief

ICFRE community of officers/ scientists and other officials including that of FRI, Dehradun with a deep sense of concern and empathy towards the victims of Uttarkashi floods, contributed one day's salary towards the help of the victims. As a token gesture showing the concern towards flood victims, DG, ICFRE, Dr. V.K. Bahuguna, invited eminent environmentalist Padma Vibhushan Dr. Sundarlal Bahuguna and Padmashree Dr. Anil Joshi to flag off a fleet of vehicles carrying medical and other relief material on 16 August 2012. Shri P.P. Bhojvaid, Director, FRI and other officers/ scientists and officials were present at this moment.



## HR NEWS

### Name & Designation

#### Promotions:

| Name & Designation                              | Date       |
|---|------------|
| Dr. Ashwani Tapwal, Scientist- D, FRI, Dehradun | 06.08.2012 |
| Dr. Ranjeet Kumar, Scientist- D, RFRI, Jorhat   | 06.08.2012 |
| Dr. Vipin Prakash, Scientist- D, RFRI, Jorhat   | 06.08.2012 |
| Dr. Vikas Rana, Scientist- D, RFRI, Jorhat      | 06.08.2012 |
| Dr. Sangeeta Singh, Scientist- D, AFRI, Jodhpur | 06.08.2012 |
| Dr. Abha Rani, Scientist- E, AFRI, Jodhpur      | 06.08.2012 |
| Dr. V.K. Varshney, Scientist- F, FRI, Dehradun  | 21.08.2012 |
| Dr. R. C. Verma, Scientist- E, TFRI, Jabalpur   | 21.08.2012 |
| Sh. C.P. Rahangdale, Under Secretary, AFRI      | 31.12.2012 |
| Sh. B.J. Rao, Under Secretary, IFGTB            | —          |
| Sh. Uddham Ram, Under Secretary, IWST           | —          |
| Sh. J.S. Saxena, Section Officer, FRI           | 31.12.2012 |
| Sh. Kishan Lal, Section Officer, FRI            | 31.12.2012 |
| Sh. R.C. Dwivedi, Section Officer, ICFRE        | 31.12.2012 |
| Smt. Rekha Rani, Section Officer                | 31.12.2012 |
| Sh. Siya Ram, Section Officer, CSFER, Allahabad | 31.12.2012 |
| Smt. Suman Kaushal, Section Officer, HFRI       | 31.12.2012 |
| Sh. Hemant Kumar Gagal, Section Officer, AFRI   | 31.12.2012 |
| Sh. R.K. Bhandari, Section Officer, FRI         | 31.12.2012 |
| Sh. D.V. Neware, Section Officer, TFRI          | —          |
| Sh. K.K. Garu, Section Officer, FRI             | —          |
| Sh. S.A. Hussain, Section Officer, FRI          | —          |
| Smt. N. Indira, Section Officer, IFGTB          | —          |
| Sh. M. Bhaskaran, Section Officer, ICFRE        | —          |
| Sh. S.K. Bakshi, Section Officer, IFP           | —          |
| Sh. Manoranjan Das, Section Officer, RFRI       | 31.12.2012 |
| Sh. K.K. Uniyal, R.O. (Economics), FRI          | 28.12.2012 |
| Shri Binod Kumar Sonowal, PS, RFRI, Jorhat      | 31.12.2012 |
| Sh. D.S. Thakur, PS, TFRI, Jabalpur             | —          |

#### Repatriation:

|  |            |
|--|------------|
| Sh. S. Senthil Kumar, IFS (J&K:97), DCF, ICFRE | 06.07.2012 |
| Sh. Tarun Johri, APFS, DCF, FRI                | 31.08.2012 |
| Dr.B.N. Mohanty, IFS (MT:86), CF, IWST         | 28.09.2012 |
| Sh. T.S. Chowdhury, DCF, IFP                   | 30.09.2012 |
| Sh. R.P. Singh, IFS (AM:91), ADG (M&P), ICFRE  | 18.10.2012 |
| Sh. R.K. Dogra, IFS (TN:91), ADG (Edu.), ICFRE | 31.10.2012 |

#### Retirement:

|   |            |
|---|------------|
| Smt. R. Devamani, PS, IWST                  | 31.07.2012 |
| Sh. Jeyardhan Singh, Under Secretary, ICFRE | 31.08.2012 |
| Sh. K.N. Mathpal, PS, ICFRE                 | 31.10.2012 |
| Smt. Satya Ghal, Section Officer, FRI       | 30.11.2012 |
| Sh. K.C. Joshi, Scientist-C, FRI            | 31.12.2012 |
| Smt. R. Lalithambal, Section Officer, IFGTB | 31.12.2012 |

#### Transfers:

|                             | From To                  |
|-----------------------------|--------------------------|
| Sh. Alok Yadav, Scientist-C | RFRI, Jorhat ICFRE (Hq.) |

## Awards, Honours and New initiatives

The Forest Research Centre, Hyderabad has been upgraded to Institute level and renamed as Institute of Forest Bio-diversity on 7 December 2012. The Institute will give focus on the biodiversity of Andhra Pradesh, Maharashtra, Eastern Ghats and Goa.

ICFRE is taking initiatives to set up a Biotech park at Chhindwara, Madhya Pradesh to promote Bio Technology based industries in the region with Biotech Consortium India Limited (BCIL), a company promoted by DBT.

Dr Rashmi, Scientist-C, FRI, Dehradun was awarded "Innovator of the Year" award by the Uttarakhand Council of Science and Technology(UCOST),Dehradun in the Uttarakhand Science and Technology Congress held at Graphic Era, (Deemed) University, Dehradun from 21 to 23 November 2012.

ICFRE Pensioners' Health Scheme (ICFREPHS) 2012 was launched on 31 December 2012.

First "DG, ICFRE Invitational Golf Cup" was organized at FRIMA Golf Course on 17 November 2012. As many as 79 golfers from Dehradun participated in the event.



First "DG, ICFRE Invitational Golf Cup" at FRIMA Golf Course

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- ICFRE is not responsible for any loss or damage whatsoever may be due to the information published herein.

### Inauguration of Souvenir Shop "PRERNA" at FRI Campus

ICFRE has come up with a novel concept for helping the tribals and forest based artisans through creation of PRERNA Souvenir Shop, a platform for marketing their products. Dr. V.K. Bahuguna, Director General, ICFRE inaugurated the Souvenir Shop at FRI Campus on 3 July 2012.



Inauguration of Souvenir Shop at FRI Campus

### Obituary

The ICFRE family deeply condoles the sudden and sad demise of Shri Yogendra Mahto, Assistant, IFP, Ranchi on 15.11.2012 and prays for the peace of the departed soul.





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