

# ICFRE NEWSLETTER



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Indian Council of Forestry Research and Education  
P.O. New Forest, Dehradun  
Uttarakhand, India

# ICFRE NEWSLETTER

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January - June 2010

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*Patron's Column*

Indian Council of Forestry Research and Education, Dehradun an autonomous apex body of Ministry of Environment and Forests, is engaged in conducting research, promoting education and delivering simple innovative technologies in the forestry sector of the country.

The Council is regularly representing the nation at international fora in various climate change and forestry related issues. Recently, ICFRE has been granted observer status by UNCCD in the field of climate change. The Council also enjoys the observer status by UNFCCC. The Council is providing valuable inputs in forestry sector related policy negotiations, especially in the field of REDD Plus.

The Council also has been designated as Technical Facilitation organization (TFO) for coordinating various projects under Sustainable Land use and Eco systems Management- Country Partnership Programme (SLEM- CPP), a joint initiative of the MoEF, GoI and the Global Environment Facility (GEF), being implemented with assistance from UNDP, FAO and the World Bank.

The Council is also undertaking national and international consultancies in the field of environment, hydropower, mining and infrastructure development and other related fields.

The Council is mandated to promote forestry education in the country. In this effort ICFRE has been providing grant-in-aid to the universities and also working for quality assurance of forestry education.

The ICFRE Newsletter provides a bird's eye view of the activities of the 8 research institutes and 4 advanced research centres of the Council located in different geographical regions of the country.

I hope the Newsletter in its new form will help in disseminating the Council's news and views to the major stakeholders.

**Dr. G.S. Rawat**  
**Director General**



## EVENTS & DEVELOPMENTS

### Inauguration of Photogallery

The Hon'ble Union Minister for Environment & Forests, Shri Jairam Ramesh inaugurated the Photogallery established by Forest Research Institute, Dehradun at Shatabdi Van Vigyan Kendra, Dehradun on 10<sup>th</sup> January 2010. He along with Dr. Ramesh Pokhriyal 'Nishank', Hon'ble Chief Minister of Uttarakhand released a booklet



Shri Jairam Ramesh, Hon'ble Minister of State (I/C), MoEF inaugurating FRI Photogallery

on the occasion. Dr. P. J. Dilip Kumar, DG (Forests) and Special Secretary, Ministry of Environment and Forests, Dr. G.S. Rawat, Director General, ICFRE; Dr. R.B.S. Rawat, PCCF, Uttarakhand; Dr. S.S. Negi, Director, FRI; Shri Anup Wadhawan, Principal Secretary, Govt. of Uttarakhand along with other dignitaries, VIPs, students and other eminent citizens were present on the occasion.

**Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore** organised a Tree Growers' Mela on 18<sup>th</sup> and 19<sup>th</sup> February 2010 at Coimbatore. The Mela



Shri Jairam Ramesh, Hon'ble Minister of State (I/C), MoEF inaugurating Tree Growers' Mela

was inaugurated by Shri Jairam Ramesh, Hon'ble Union Minister, Ministry of Environment and Forests. During the function, he released four clones of *Eucalyptus* and four

clones of *Casuarina equisetifolia*, that have been developed for dryland conditions. He announced a grant



Shri Jairam Ramesh, Hon'ble Minister of State (I/C), MoEF and Dr. G.S. Rawat, DG, ICFRE releasing brochures on *Eucalyptus* and *Casuarina*

of ₹ 25 crores to the institute over a period of the next two to three years, to make it a world class institution. He also released a book of abstracts of publications made by the Institute in the last two decades and brochures on the institute, teak, botanical garden and the newly released clones of *Eucalyptus* and *Casuarina*. He also launched the quarterly newsletter of the institute. The Director General, ICFRE; PCCF, Kerala; Member, Tamil Nadu State Planning Commission; District Collector, Coimbatore and CCF (Extension), Tamil Nadu Forest Department graced the event.

### Inauguration of INSAT uplinked Micro Meteorological Tower



Shri Jairam Ramesh, Hon'ble Minister of State (I/C), MoEF inaugurating the INSAT uplinked Micro Meteorological Tower

The Hon'ble Union Minister for Environment & Forests, Shri Jairam Ramesh inaugurated the INSAT uplinked Micro Meteorological Tower in Forest Research Institute on 10<sup>th</sup> January 2010. The tower, 13 meter high and a part of FRI-ISRO Climate change study programme, will gauge and model the physical and biological process controlling mass and energy exchange between tree canopy and the atmosphere.



## 42<sup>nd</sup> BOG Meeting of ICFRE

42<sup>nd</sup> meeting of ICFRE Board of Governors was convened on 18<sup>th</sup> June 2010 and 12<sup>th</sup> July 2010. The meeting was chaired by Shri Vijay Sharma, IAS, Secretary, MoEF, Govt. of India and Chairman, BOG, ICFRE. The meeting was attended by Dr. P.J. Dilip Kumar, DG (F) and Special Secretary, MoEF, Gol; Dr. G.S. Rawat, Director General, ICFRE, Dehradun and other members of the BOG.

Besides a number of proposals, the new theme-based format for ICFRE Annual Report was approved for the year 2009-10.

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

The ICFRE delegation, comprising Dr. G.S. Rawat, DG, ICFRE, and Shri V.R.S. Rawat, Scientist- D, Biodiversity and Climate Change Division, participated in the 32<sup>nd</sup> session of the UNFCCC subsidiary bodies from 31<sup>st</sup> May to 9<sup>th</sup> June 2010 and 12<sup>th</sup> session of the Ad Hoc Working Group on Further Commitments under the Kyoto Protocol (AWG-KP) and 10<sup>th</sup> session on the Ad Hoc Working Group on Long-term Cooperative Action (AWG-LCA) under the United Nations Framework Convention on Climate Change from 1<sup>st</sup> June to 11<sup>th</sup> June 2010 held in Bonn, Germany.



Dr. G.S. Rawat, DG, ICFRE and Shri V.R.S. Rawat, Scientist- D, BCC, Division participating in UNFCCC meetings

Shri V.R.S. Rawat, Scientist- D, Biodiversity and Climate Change Division, participated in the “Bonn Climate Change Talks” held in Bonn, Germany from 9<sup>th</sup> to 11<sup>th</sup> April 2010. The meeting consisted of the 11<sup>th</sup> session of the AWG-KP and the 9<sup>th</sup> session of the AWG-LCA.

Dr. Sudhanshu Gupta, Secretary, ICFRE participated in the ITP (Intensive Training Programme) for Forest Certification from 12<sup>th</sup> to 28<sup>th</sup> May 2010 in Sweden.

The 4<sup>th</sup> International Casuarina Workshop was held in Haikou, Hainan, China on 22<sup>nd</sup> and 25<sup>th</sup> March 2010. Dr. G.S. Rawat, Director General, ICFRE, Dehradun presented a country paper and also chaired a session. Three Scientists from IFGTB, Dr. B. Gurudev Singh, Scientist- F; Dr. A. Nicodemus Scientist- D and Dr. A. Karthikeyan, Scientist- D attended the workshop.

Shri A.S. Rawat, GCR, FRI, Dehradun participated in the workshop on “Regional Statistical Database/Platform” on 18<sup>th</sup> and 19<sup>th</sup> February 2010 in Nepal.

Dr. Rajiv Pandey, Scientist- D, EIA Division, ICFRE participated in the Workshop on “Regional Statistical database/platform” on 19<sup>th</sup> and 20<sup>th</sup> February 2010 in Nepal.

Shri Rakesh Kumar Dogra, ADG (Education), ICFRE visited, Swedish University of Agricultural Sciences (SLU), Sweden under Mid Career Training (MCT) for IFS Officers Project as Internal Programme Coordinator from 27<sup>th</sup> February to 14<sup>th</sup> March 2010 in Sweden.

Dr. Manisha Thapliyal, Scientist- D, FRI, Dehradun participated in the IUFRO Conference on “Sustainable Utilization and Conservation of Forests in the genomics era” from 7<sup>th</sup> to 12<sup>th</sup> March 2010 in Malaysia.

Dr. S.S. Negi, Director, FRI, Dehradun and Dr. V.P. Tewari, Scientist- F, IWST, Bengaluru participated in the “3<sup>rd</sup> The German Forestry Alumni Network (GAForN) Symposium- Academic Forestry Education: Development and Needs” from 8<sup>th</sup> to 12<sup>th</sup> March 2010 in China.

Dr. A. Vijayraghavan, Scientist- C; Dr. Maheshwar Hegde, Scientist- C; IFGTB, Coimbatore and Dr. R.K. Kalita, Scientist- C, RFRI, Jorhat attended “National Programme for Training of Scientists and Technologists working in Govt. Sector” organized and funded by DST, New Delhi from 29<sup>th</sup> May to 6<sup>th</sup> June 2010 in Taiwan.

Dr. S.S. Negi, Director and Dr. N.S.K. Harsh, Scientist- F, FRI, Dehradun attended demonstration of preservation and treatment works on the selected trees and participated in the “19<sup>th</sup> Technical Session of International Coordination Committee for Safeguarding Angkor” from 5<sup>th</sup> to 13<sup>th</sup> June 2010 in Cambodia.

Mohd. Yousuf, Scientist- F, TFRI, Jabalpur participated in the “7<sup>th</sup> International Congress of Hymenopterists” from 20<sup>th</sup> to 26<sup>th</sup> June 2010 in Hungary.



### **SLEM-CPP Launch workshop**

The Sustainable Land and Ecosystem Management Country Partnership Programme (SLEM- CPP), a joint initiative of the MoEF, GoI and the Global Environment Facility (GEF), consists of seven projects being implemented with assistance from UNDP, FAO and the World Bank.

Technical support to the SLEM Programme is being provided through a Technical Facilitation Organisation (TFO) anchored at the Indian Council of Forestry Research and Education (ICFRE) in the Directorate of Extension. Various divisions at the ICFRE Headquarters and its research institutes provide the requisite technical support, as and when required to SLEM projects located in different parts of the country.

The SLEM Project at ICFRE organized its Launch Workshop in New Delhi on 8<sup>th</sup> and 9<sup>th</sup> February 2010 in collaboration with the Ministry of Environment and Forests. Shri R.H. Khwaja, Special Secretary, MoEF was the Chief Guest on the inaugural day of the workshop. The two day workshop provided all the SLEM project partners a common platform to share information on their respective projects.



Dr. G.S. Rawat, DG, ICFRE, Dehradun lighting the lamp at inauguration of SLEM-CPP launch workshop

A National Steering Committee (NSC) has been constituted under the guidance of the Ministry of Environment and Forests to monitor and evaluate the progress of the projects operationalised under the SLEM program. The first meeting of the NSC was held on 26<sup>th</sup> May 2010, at the Paryavaran Bhawan, New Delhi. The meeting was chaired by Shri R. H. Khwaja, Special Secretary, MoEF. Also present at the meeting were Dr. G. S. Rawat, Director General, ICFRE and the Member Secretary of NSC, Dr. Rabindra Kumar, DDG (Extn),

ICFRE. The NSC was also attended by various stakeholders, including representatives from the World Bank, UNDP, FAO, Ministry of Rural Development, Ministry of Agriculture and Cooperation and the Project Directors of seven projects under SLEM-CPP.

### **Designated Operational Entity (DOE) Meeting**

The CDM Assessment team (CDM-AT) from UNFCCC visited ICFRE Hqs from 30<sup>th</sup> April to 1<sup>st</sup> May 2010 for an on-site assessment of ICFRE. ICFRE applied for Designated



Dr. G.S. Rawat, DG, ICFRE, Dehradun and members of DOE holding discussion with the CDM team from UNFCCC

Operational Entity (DOE) status of UNFCCC in July 2009. Once granted the DOE status by UNFCCC, ICFRE will be accredited for validation and verification of CDM A/R projects.

### **Doctorate IFS officers meet with Hon'ble Minister, Environment & Forests, Government of India**

An interactive meeting of Doctorate IFS Officers with the Hon'ble Minister of Environment and Forests, Govt. of India Shri Jairam Ramesh was organized on



An interactive meeting with Doctorate IFS Officers

10<sup>th</sup> January 2010 at ICFRE Auditorium, Dehradun. It was attended by more than 120 Doctorate IFS officers, which also included Dr. P. J. Dilip Kumar, Director General and Special Secretary, Ministry of Environment and Forests, Govt. of India; Dr. P.B. Gangopadhyay, Additional Director General, Ministry of Environment and Forests, Govt. of India; Dr. G.S. Rawat, Director General, ICFRE; Dr. R.D. Jakati, Director, IGNFA and Dr. S.S. Negi, Director, Forest Research Institute, Dehradun.



### Visit of NCSC at ICFRE

A high level delegation of the National Commission for Schedule Caste under the chairmanship of Hon'ble Deputy Chairman, SC Commission visited ICFRE, Dehradun on 28<sup>th</sup> January 2010. Dr. G.S. Rawat, DG, ICFRE; Shri Omkar Singh, DDG (Education); Dr. Rabindra Kumar, DDG (Extension), Dehradun and other officers welcomed the delegation in the Board Room of the Council. The members of Commission discussed the activities undertaken by the Council for the welfare of SC.



An interaction between a high level delegation of National Commission of Schedule Caste and Officers of ICFRE

### HRD initiatives of ICFRE

As part of the HRD initiatives, the ICFRE organized following specialized training programmes for Scientists and Forest Officers during the period from 1<sup>st</sup> January 2010 to 30<sup>th</sup> June 2010.

- One day workshop on "Effective Communication" at ICFRE Board Room on 15<sup>th</sup> January 2010 organized with the help of Institute of Communication & Management, Dehradun.
- Induction training of Scientists/Research Officers for 28 participants from 15<sup>th</sup> March to 21<sup>st</sup> May 2010 at FRI, Dehradun.
- Training on maintaining roasters for OBC/SC/ST at ICFRE Dehradun on 23<sup>rd</sup> March 2010.

### Grant-in-Aid

ICFRE has been giving Grant-in-Aid to various Forestry colleges/departments under Agricultural Universities offering Undergraduate and Postgraduate Courses in forestry to strengthen the infrastructure for giving impetus to Forestry Education in the country. During the period from January to March 2010, ₹ 132.35 lakhs were released to 7 Universities. ICFRE is also monitoring the utilization of funds allotted and has initiated a number of programmes for enhancing quality of forestry education.

### Mid Career Training of IFS officers Phase-III

The project of Mid Career Training of IFS by Ministry of Environment & Forests has been finalized after a

competitive process, wherein ICFRE has been awarded training for Phase-III (officers with 6 to 9 years of service). The total cost of the project is Rupees 5.89 crore, for a period of three years. The project has been started w.e.f. 14<sup>th</sup> December 2009. The first training course for IFS officers of 2001-2002 batches was held from 14<sup>th</sup> December 2009 to 20<sup>th</sup> March 2010. In all, 59 participants from all over the country participated. The programme was launched at IIMAhmedabad on 14<sup>th</sup> December 2009 by Dr. P.J. Dilip Kumar, IFS, D.G. Forest; Govt. of India. As a part of the programme, the participants were taken to US (Colorado State University) & Sweden (Swedish University of Agriculture Sciences) in batches of 30 each. The programme being first of its kind is a pioneering effort in the capacity building of IFS officers jointly by a number of organizations like ICFRE, WII, FSI, IIM (A) & the foreign partners.

### ICFRE Accreditation Board

In the first of such initiatives, ICFRE approved accreditation of nine Universities/ Colleges offering forestry curriculum on the recommendations of Accreditation Board of ICFRE during the meeting held on 7<sup>th</sup> May 2010. ICFRE has been actively involved in the process of quality assurance and up-gradation of forestry education in the country.

### Meeting on Policy Research

A number of meetings on Policy Research were held from January to June 2010 as follows:

- 3<sup>rd</sup> Policy Research Committee meeting on 29<sup>th</sup> January 2010 at Van Vigyan Bhawan, Sector-5, R.K. Puram, New Delhi.
- 1<sup>st</sup> Policy Research Sub-Committee meeting on 10<sup>th</sup> February 2010 at Van Vigyan Bhawan, Sector-5, R.K. Puram, New Delhi.
- Evaluation Committee meeting to evaluate the draft final report of Policy Research Study entitled "Rationale for prescribing requisite forest/ tree cover in India" on 18<sup>th</sup> February 2010 at ICFRE, Dehradun.
- Evaluation Committee meeting to evaluate the Expression of Interest on Policy Research Study entitled "Synergy in Various Institutions in Implementation of Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act 2006 to Ensure Improved Livelihood



Support as also to Sustainable Forest Management.” on 5<sup>th</sup> March 2010. Review committee meeting to review the methodology on the study was held on 31<sup>st</sup> May 2010.

- 1<sup>st</sup> National FRA Committee meeting (Joint Committee of Environment & Forests and Ministry of Tribal Affairs) was held on 3<sup>rd</sup> May 2010 at Paryavaran Bhawan, New Delhi. 2<sup>nd</sup> National FRA Committee meeting was held on 7<sup>th</sup> June 2010 at Van Vigyan Bhawan, New Delhi.

### Research Advisory Group (RAG) Meetings

Calendar for RAG meetings 2010 for the ICFRE institutes was finalized after discussions and consent of respective Directors. Following are the dates for RAG meetings 2010:

Sl. No.	Name of Institute	Dates for RAG 2010
1.	IFGTB, Coimbatore	12 <sup>th</sup> - 13 <sup>th</sup> October 2010
2.	AFRI, Jodhpur	28 <sup>th</sup> - 29 <sup>th</sup> October 2010
3.	HFRI, Shimla	1 <sup>st</sup> - 2 <sup>nd</sup> November 2010
4.	IFP, Ranchi	8 <sup>th</sup> - 9 <sup>th</sup> November 2010
5.	FRI, Dehradun	11 <sup>th</sup> - 12 <sup>th</sup> November 2010
6.	IWST, Bengaluru	18 <sup>th</sup> - 19 <sup>th</sup> November 2010
7.	TFRI, Jabalpur	24 <sup>th</sup> - 25 <sup>th</sup> November 2010
8.	RFRI, Jorhat	25 <sup>th</sup> - 26 <sup>th</sup> November 2010

### Research Policy Committee (RPC) Meetings

The projects recommended by RAG meetings at ICFRE Institutes were placed before the RPC, which was convened on 22<sup>nd</sup> to 24<sup>th</sup> February 2010 under the chairmanship of Dr. G.S. Rawat, IFS, Director General, ICFRE to give the final approval to the new research proposals submitted by all the research institutes under ICFRE.

During XI RPC meeting, 201 new research projects were discussed, out of which 137 projects were approved for ICFRE funding amounting to ₹ 1478.16 lakhs. The RPC also approved two All India Coordinated Projects, subject to the availability of funds.

### DG, ICFRE visit to AFRI, Jodhpur

Dr. G.S. Rawat, DG, ICFRE, Dehradun, visited AFRI, Jodhpur from 13<sup>th</sup> to 15<sup>th</sup> January 2010. The Director General inaugurated the Bio-control Laboratory cum

Culture Room of the Forest Protection Division of the institute on 13<sup>th</sup> January 2010.



Dr. G.S. Rawat, DG, ICFRE, Dehradun inspecting the Biocontrol-cum-culture laboratory

### Workshops/Seminars/ Meetings etc.

ICFRE, Dehradun organized a training workshop on Rajbhasha on 26<sup>th</sup> March 2010 in the ICFRE auditorium. The workshop was addressed by Shri S.P. Choubey, Director (Rajbhasha), MoEF and Shri M.R. Saklani,



One day Rajbhasha Training Workshop at ICFRE, Dehradun

Deputy Director (Rajbhasha) and Secretary NARAKAS, Dehradun. Dr. S.S. Negi, Director, FRI; Shri M.S. Garbyal, DDG (Administration), ICFRE; Shri Omkar Singh, DDG (Education); Dr. Rabindra Kumar, DDG (Extension); Shri Sandeep Tripathi, Director (Research), ICFRE, Dehradun and over 250 officers, scientists and staff of ICFRE and FRI attended the training workshop.

IFGTB, Coimbatore organized a national workshop to formulate All India Coordinated projects on fast growing native tree species on 10<sup>th</sup> February 2010 and on improvement of fast growing phyllodinous Acacia on 11<sup>th</sup> February 2010.

IFGTB, Coimbatore organized an interactive workshop with farmers on World Environment Day which was attended by representatives from industries, farmers, and others. A total of 200 farmers participated in the workshop.



**IFGTB, Coimbatore** conducted the stakeholders' workshop on Forestry Research and Extension on 31<sup>st</sup> May 2010 with the Department of Environment and Forests, Andaman and Nicobar Islands. The workshop was chaired by the PCCF, A&N Islands and attended by PCCF (WL), APCCF (Planning and Development), CCF (Research) and other senior forest officials besides a team of officers and scientists from IFGTB.

**Tropical Forest Research Institute, Jabalpur** organized "Stakeholders Meet" for Madhya Pradesh at Bhopal on 5<sup>th</sup> April 2010 and for Chhattisgarh at Raipur on 23<sup>rd</sup> April 2010. The institute also organized "Stakeholders' consultation meeting" at Nagpur (Maharashtra) on 13<sup>th</sup> May 2010 and at Bhubaneswar (Orissa) on 24<sup>th</sup> May 2010.

**Rain Forest Research Institute (RFRI), Jorhat** organized a workshop on constitutional provision of official language (Hindi) on 8<sup>th</sup> January 2010. Shri Ajay Kumar, Hindi officer, North East Institute of Science & Technology (NEIST), Jorhat attended as Chief Guest and encouraged the delegates to use Hindi as official language.

**RFRI, Jorhat** organized stakeholders' meeting-2010 for the states of Assam, Meghalaya, Arunachal Pradesh and Sikkim at Forest School Jhalukbari, Guwahati on 31<sup>st</sup> May 2010. Stakeholders' meeting-2010 for the states of Mizoram and Tripura were held at PCCF Office, Aizawl, Mizoram on 3<sup>rd</sup> June 2010 and PWD conference hall, Agartala, Tripura on 7<sup>th</sup> June 2010 respectively. Stakeholders meeting 2010 for the states of Nagaland and Manipur were held at PCCF office, Kohima, Nagaland on 29<sup>th</sup> June 2010.

**Arid Forest Research Institute (AFRI), Jodhpur** organized one day interactive meeting on "Climate Change Concerns: Needs, opportunities and gaps" on 14<sup>th</sup> June 2010 to discuss the research needs, and the financial, technological and capacity needs and constraints to address climate change concerns vis- a- vis forest products in the arid zone of India. Representatives from Botanical Survey of India, Zoological Survey of India, Desert Medicine Research Centre, Central Arid Zone Research Institute, Defence Research and Development Organization, Jai Narayan Vyas University, State Forest Department, Agriculture Research Station, NGOs and other departments participated in the meeting along with officers and scientists from AFRI. Dr. A. S. Faroda, Retired Director, CAZRI, Jodhpur chaired the session.



Meeting on "Climate Change Concerns"

**HFRI, Shimla** organized a two- days' workshop on "Challenges and Opportunities for Growth of Medicinal Plants Sector in North-West Himalayas" on 18<sup>th</sup> and 19<sup>th</sup> March 2010. The workshop was attended by 60 delegates representing the states of Himachal Pradesh, Uttarakhand and Jammu & Kashmir.



Workshop on "Challenges and Opportunities for Growth of Medicinal Plants Sector in NW Himalayas"



Participants in the Stakeholders' meet at Guwahati on 31<sup>st</sup> May 2010



**HFRI, Shimla** organized a meeting of network partners on 19<sup>th</sup> March 2010, which was attended by the Pls of National Medicinal Plants Board (NMPB), New Delhi funded network projects on Medicinal Plants, being coordinated by the Institute. Issues pertaining to implementation of project activities, including action plan were discussed.

**IFP, Ranchi** organized second meeting of State Level Monitoring Committee (SLMC) constituted to review and monitor the progress of the GoI-UNDP CCF-II project on “Biodiversity Conservation through Community based Natural Resource Management” in the State of Jharkhand on 16<sup>th</sup> January 2010. Shri R. Krishnamurty, Director, IFP, Ranchi and Shri Rameshwar Das, CF, IFP, Ranchi attended the meeting. The meeting was chaired by Shri S.K.Sharma, IFS, CCF (Wild Life), Govt. of Jharkhand.



Second meeting of State Level Monitoring Committee (SLMC)

**IFP, Ranchi** organized Fourth Meeting of the Empowered Project Steering Committee (EPSC) constituted to coordinate implementation of the GoI-UNDP CCF-II project on “Biodiversity Conservation through Community based Natural Resource Management” at Ranchi on 28<sup>th</sup> January 2010. The meeting was chaired by Shri Hem Pandey, Joint Secretary to the Govt. of India, Ministry of Environment and Forests, New Delhi and was attended by Shri R. Krishnamurty, Director, IFP and Shri Rameshwar Das, CF, IFP, Ranchi. The steering committee reviewed the physical and financial progress of unit wise project work being implemented in the states of Arunachal Pradesh, Orissa, Jharkhand and Chhattisgarh. A field visit to Khunti project site under Jharkhand State (Villages: Anumpiri, Bari, Kotna) was also conducted on 29<sup>th</sup> January 2010.

**IFP, Ranchi** conducted Inception Training Workshop under the consultancy project titled “Estimates of Kendu (*Diospyros melanoxylon*) leaves production in Jharkhand” on 26<sup>th</sup> and 27<sup>th</sup> February 2010 where 85 officers/ personnel of JSFDCL and IFP, Ranchi participated. Under this project IFP, Ranchi conducted survey and data collection from different regions of Jharkhand State viz. Palamau, Hazaribagh, Singhbhum, Giridih and Ranchi, etc. during the month.

**IFP, Ranchi** with the collaboration of JSFDCL, Ranchi organized national seminar on “Productivity Enhancement & Value Addition of Bamboo” on 9<sup>th</sup> and 10<sup>th</sup> March 2010 at Ranchi.

**IFP, Ranchi** organized a Stakeholders' Meet in the State of Jharkhand on 25<sup>th</sup> May 2010 at the institute under the chairmanship of Shri A. K. Mishra, IFS, APCCF of Forests (Working Plan & Research), Govt. of Jharkhand. The meeting was attended by 32 persons including various stakeholders in the State.

**IFP, Ranchi** organized 3<sup>rd</sup> meeting of State Level Monitoring Committee (SLMC) constituted to review and monitor the progress of the GoI-UNDP CCF-II project on “Biodiversity Conservation through Community based Natural Resource Management” in the State of



Inception Training Workshop under the project “Estimates of Kendu Leaves Production in Jharkhand”

Jharkhand on 1<sup>st</sup> May 2010. The meeting was chaired by Shri S. K. Sharma, IFS, CCF (Wild Life), Govt. of Jharkhand. Shri R. Krishnamurty, Director, IFP, Ranchi and Shri Rameshwar Das, CF, IFP, Ranchi attended the meeting.

**IFP, Ranchi** organized a Stakeholders' Meet in the State of Bihar on 15<sup>th</sup> June 2010 in the SCADA Centre, Patna under the chairmanship of Shri B. A. Khan, PCCF, Bihar. The meeting was attended by 29 persons including various stakeholders in the State.

#### Variety Releasing Committee Meeting

The Variety Releasing Committee meeting was held on 19<sup>th</sup> January 2010 at Paryavaran Bhavan, Ministry of Environment and Forests, Govt. of India under the chairmanship of Dr. P.J. Dilip Kumar, IFS, DGF and SS, MoEF, GoI. The VRC unanimously recommended the release of the 4 clones each of *Eucalyptus* and *Casuarina*.

#### Trainings

**FRI, Dehradun** organized a short term training course on “Disaster Management for Forestry Sector” from



18<sup>th</sup> December 2009 to 2<sup>nd</sup> January 2010 for Forest officers up to the level of CF and CCF.

**FRI, Dehradun** organized a training programme on "Bamboo Development" under BTSG, ICFRE, Dehradun from 8<sup>th</sup> to 12<sup>th</sup> February 2010 for the forest guards and farmers of Punjab at Shatabdi Van Vigyan Kendra, City Centre of the institute.

**FRI, Dehradun** organized a training programme on Nursery and planting techniques of medicinal plants for farmers in Shyampur village near Dehradun from 15<sup>th</sup> to 17<sup>th</sup> February 2010.

**FRI, Dehradun** organized a four-days' training on "Afforestation Techniques" for the officers, JCO's and NCO's of Eco Task Force of the Territorial Army from 20<sup>th</sup> to 23<sup>rd</sup> April 2010. A total of 39 personnel from Eco Task Force of Territorial Army attended the training programme.

**FRI, Dehradun** organized a short term training course on the Management of Herbarium and Arboretum from 10<sup>th</sup> to 14<sup>th</sup> May 2010. The training was attended by the researchers from GBPIHED, Almora, RNR-RDC Yusipang, DoFPS, MOAF, Bhutan, CCRUM, Janakpur, New Delhi and Chandigarh.

**FRI, Dehradun** conducted five- days' training programme on "Handmade paper from *Lantana camara*" from 7<sup>th</sup> to 11<sup>th</sup> June 2010. The programme was sponsored by DST under the project "Utilization of economic potential of *Lantana camara*". 12 participants from different parts of India attended the training programme. During the training course, the participants were given hands on training for handmade paper manufacturing using *Lantana camara* and its value addition to fetch high income.

**IFGTB, Coimbatore** organized a two-days' training programme on rust fungi in weed management on the 4<sup>th</sup> and 5<sup>th</sup> January 2010 under the project, "New biocontrol opportunities for prickly Acacia : exploration in India". About 21 Research Scholars and Research Assistants of the institute took part in the training. The training was conducted by Dr. Roger Shivas, Principal Plant Pathologist, Department of Primary Industries, Queensland, Australia.

**IFGTB, Coimbatore** organized a training on Integrated pest and disease management for Tamil Nadu State Forest Department officials on 30<sup>th</sup> March 2010.

**IFGTB, Coimbatore** organised a training on Biofertilizers and Biomanures for farmers on 31<sup>st</sup> March 2010.

**IFGTB, Coimbatore** organised five training programmes through VVK, Port Blair from 1<sup>st</sup> to 4<sup>th</sup> June 2010 at Port Blair, Baratang, Rangat, Mayabunder and Diglipur on issues ranging from quality planting stock production, plantation management, climate change and forestry, biofertilizers and biomanures, mangrove management, floral biology, etc. A total of 250 front- line staff of the concerned departments benefited from the training programmes.

**IWST, Bengaluru** conducted a training programme on "Wood Protection" from 4<sup>th</sup> to 8<sup>th</sup> January 2010.

**IWST, Bengaluru** conducted a training programme on "Designing Green landscapes to provide multiple services" from 4<sup>th</sup> to 8<sup>th</sup> January 2010. A total of 14 trainees participated.

**IWST, Bengaluru** organized a training cum demonstration programme for 26 Foresters/Forest Guards of Karnataka Forest Department on 5<sup>th</sup> February 2010.

**IWST, Bengaluru** conducted a training programme on "Nursery practices of sandal" from 15<sup>th</sup> to 19<sup>th</sup> February 2010. A total of 15 participants attended the training.

**IWST, Bengaluru** conducted a training programme on nursery practices of important tree species, wood/bamboo preservation and use of plantation timber for different end uses at VVK, Karnataka on 4<sup>th</sup> March 2010. A total of 60 participants including VFC members, and farmers participated in the program.

**IWST, Bengaluru** conducted a training- cum- demo programme on "Non Timber Forest Products, Pests and Disease Management, Nursery Practices and Wood Seasoning" for VVK, Karnataka on 5<sup>th</sup> March 2010. 25 VFC members participated in the training.

**TFRI, Jabalpur** organized a training programme for officials of Chhattisgarh SFD on "Tissue culture of Bamboos" in two batches on 11<sup>th</sup> to 15<sup>th</sup> January 2010 and 18<sup>th</sup> to 23<sup>rd</sup> January 2010.

**TFRI, Jabalpur** conducted a five-days' training programme on "Non destructive harvesting, processing and value addition of NTFPs." from 25<sup>th</sup> to 29<sup>th</sup> January 2010 for officials of Orissa State Forest Department.

**TFRI, Jabalpur** conducted a three-days' training programme at Rayagada and Udaygiri for SFD officials under Orissa Forest Development scheme in two batches from 20<sup>th</sup> to 22<sup>th</sup> February 2010 and from 23<sup>rd</sup> to 25<sup>th</sup> February 2010.



**TFRI, Jabalpur** organized a training programme for Forest Guard Trainees (50 Nos) of Van Vidhyalaya, Govindgarh, Rewa (M.P.) on 12<sup>th</sup> January 2010.

**TFRI, Jabalpur** organized a training programme on "Insect pests and diseases of Aonla and their control measures" on 10<sup>th</sup> March 2010 for the officials of SFD of Madhya Pradesh at Wamandehi (M.P.).

**TFRI, Jabalpur** organized training on "Integrated development of Jatropha and Karanj" for the forest officials of M.P. on 10<sup>th</sup> and 11<sup>th</sup> March 2010 and for farmers on 8<sup>th</sup> to 9<sup>th</sup> March 2010 at Indore (M.P.).



Training on "Integrated development of Jatropha and Karanj" to the forest officials of M.P.

**TFRI, Jabalpur** conducted a training on Vermicompost/Biofertilizers at Bhasajhar Nursery, Bilaspur (CG) on 17<sup>th</sup> and 18<sup>th</sup> May 2010 to the trainees of Chhattisgarh Rajya Van Vikas Nigam (CGRV) Ltd., Bilaspur (CG).

**TFRI, Jabalpur** imparted training to the Range Officer trainees (47 Nos.) from Forest Rangers Training College, Balaghat (M.P.) on 13<sup>th</sup> May 2010.

**TFRI, Jabalpur** imparted training to the trainee Forest Guards (39 Nos.) from Van Vidyalaya, Govindgarh, District Rewa (M.P.) on 18<sup>th</sup> May 2010.

**TFRI, Jabalpur** imparted training to the trainee Forest Guards (86 Nos.) from Van Vidyalaya, Betul (M.P.) on 24<sup>th</sup> May 2010.

**TFRI, Jabalpur** organized a training for forest officials of Chhattisgarh on "Recent advances in nursery techniques" from 27<sup>th</sup> to 29<sup>th</sup> May 2010.

**RFRI, Jorhat** organized a training on "Bamboo Value Addition" and "Bamboo: An Opportunity for Livelihood Need" at the 10<sup>th</sup> Jorhat Trade Fair at Jorhat, Assam on 12<sup>th</sup> February 2010.

**RFRI, Jorhat** organized a training cum workshop on the topic "Role of Ethno Botany in Herbal Drug Research in North East India" on 23<sup>rd</sup> March 2010.

**RFRI, Jorhat** organized a training cum demonstration on nursery and plantation management, preservation to Forester Trainees of Assam Forest School, Jalukbari, Guwahati (Assam) on 23<sup>rd</sup> March 2010.

**HFRI, Shimla** organized a one-day training programme cum workshop on "Eco-restoration of Degraded Areas through Forestry Interventions" at Dhaula Kuan (Poanta Sahib), District Sirmour on 22<sup>nd</sup> January 2010 for field functionaries of the State Forest Department and the farmers of Himachal Pradesh. About 60 participants comprising Forest Guards and Deputy Range Officers of Renuka, Poanta Sahib and Nahan Forest Divisions and local farmers participated in the training.

**HFRI, Shimla** organized a one-day training programme on "Application of Technological and Research Interventions for Enhancement of Productivity" at SFRI, Jammu on 17<sup>th</sup> February 2010.

**HFRI, Shimla** organized a one-day training cum demonstration programme on "Commercial Cultivation of Patish and Chora" at FRH, Bruhandhar (Manali) on 21<sup>st</sup> February 2010 under National Medicinal Plants Board (NMPB) funded project. The training programme was attended by 55 participants belonging to local communities and field functionaries of State Forest Department of H.P.

**HFRI, Shimla** organized a workshop- cum- training on GPS, population assessment, identification of medicinal plants and methodology for sample collection of selected medicinal plants etc., under NMPB sponsored network project for all the officers and staffs involved in execution of the project on 3<sup>rd</sup> May 2010.

The team of UNDP Cell of **IFP, Ranchi** conducted a field visit in the project sites of Khunti district of Jharkhand on 6<sup>th</sup> July 2010 for providing field demonstration- cum- training to the farmers of Janumpiri, Bari and Kotna villages.

**IFP, Ranchi** conducted a two-days' farmers training on "Vermicomposting" under the NAIP funded project titled "Up- scaling livelihood of forest communities through enhanced farm productivity and efficient support systems in Godda District of Jharkhand" at Forest Research Centre, Mandar on 22<sup>nd</sup> and 23<sup>rd</sup> February 2010. Twenty seven farmers of Godda district attended training.

**IFP, Ranchi** organized a two-days' awareness training on "Dissemination/ Awareness training on cultivation and



marketing of important medicinal plants" at Environmental Research Station, Sukna, West Bengal on 23<sup>rd</sup> and 24<sup>th</sup> February 2010 in which farmers/ stakeholders and other end users in different fields of marketing participated.

**IFP, Ranchi** conducted a two-days' training programme on "Lac Cultivation through Scientific Method" in Ranka Block, Garhwa district of Jharkhand on 16<sup>th</sup> and 17<sup>th</sup> June 2010 in which 185 numbers of farmers and cultivators participated.

#### **Van Vigyan Kendra / Demo Village**

**FRI, Dehradun** organized a training programme on "Nursery and Plantation Technique" from 28<sup>th</sup> to 30<sup>th</sup> January 2010 at VVK, Hoshiarpur for foresters and farmers.

**FRI, Dehradun** organized a training programme on "Nursery and Plantation Technique" from 8<sup>th</sup> to 10<sup>th</sup> February 2010 at VVK, NCT Delhi for foresters and farmers.

**FRI, Dehradun** organized a training programme on "Colletion, Storage and Plantation of seeds" from 28<sup>th</sup> to 30<sup>th</sup> June 2010 at VVK, Hoshiarpur for foresters and farmers.

**IWST, Bengaluru** conducted a demonstration programme on Portable Distillation Unit and Non Wood Forest Products at VVK, Goa on 21<sup>st</sup> January 2010. A total of 30 participants participated in the demo.

**TFRI, Jabalpur** organized a two-days' training programme for State Forest Department officials, NGOs and farmers on "Development of wasteland through Agro forestry" at VVK, Maharashtra on 19<sup>th</sup> and 20<sup>th</sup> January 2010 at Jalna.

**TFRI, Jabalpur** organized training programmes for State Forest Department officials, on identification of insect pests and diseases in nurseries and bamboo plantations and its management on 10<sup>th</sup> and 11<sup>th</sup>, 17<sup>th</sup> and 18<sup>th</sup> February 2010 and on 24<sup>th</sup> and 25<sup>th</sup> February 2010 at VVK, Chhattisgarh.

**TFRI, Jabalpur** organized a two-days' training programme for State Forest Department officials, on "Identification, control and management of diseases in Agro forestry species" in VVK, Chhattisgarh on 4<sup>th</sup> and 5<sup>th</sup> March 2010 at Raipur.

**TFRI, Jabalpur** organized a two-days' training programme for State Forest Department officials, NGOs and farmers on "Development of wasteland through Agro forestry" in VVK, Maharashtra on 21<sup>st</sup> and 22<sup>nd</sup> March 2010 at Shapura.

**TFRI, Jabalpur** organized a two-days' training programme for State Forest Department officials, NGOs and farmers on "Nursery technique, management and marketing of bamboo" in VVK, Madhya Pradesh on 21<sup>st</sup> and 22<sup>nd</sup> March 2010 at Mandla.

**RFRI, Jorhat** organized a Bee Keeping demonstration programme at Demo village from 10<sup>th</sup> to 12<sup>th</sup> March 2010.

**RFRI, Jorhat** organized a training on plantation management, nursery raising and bamboo value addition in VVK, Tripura on 25<sup>th</sup> and 26<sup>th</sup> February 2010 at Agartala.

**RFRI, Jorhat** organized a training on bamboo at Phek District, Nagaland under VVK programme on 25<sup>th</sup> and 26<sup>th</sup> March 2010.

**HFRI, Shimla** organized a Workshop-cum-Villagers' meeting to showcase the activities of the institute on 13<sup>th</sup> March 2010 at Model Village Lanabaka, Distt. Sirmour, Himachal Pradesh. About 60 participants comprising of farmers and field functionaries of the State Forest Department, Himachal Pradesh attended this workshop.

**AFRI, Jodhpur** conducted a three-days' training for farmers and field functionaries from 13<sup>th</sup> to 15<sup>th</sup> February 2010 under VVK Rajasthan at Kisan Bhawan, Bikaner, Rajasthan. Total 82 participants (36 farmers and 46 forest field staff) from various villages/ Ranges/ Division attended this training programme.



Class Room lecture during VVK training at Bikaner



### World Environment Day

**FRI, Dehradun** organized Environment Awareness programme on the occasion of "World Environment Day & FRI Day" in Convocation Hall of FRI on 5<sup>th</sup> June 2010. Dr. S.S. Negi, Director, FRI appealed for clean, plastic and polythene free surroundings.

**IFGTB, Coimbatore** celebrated the World Environment Day 2010 with a planting programme involving Farmers, Foresters, Officer Trainees and public at the institute. A total of 400 seedlings were planted in the campus. The tree planting programme was inaugurated by Dr. G. Kumaravelu, IFS (retd.) Member, Tamil Nadu State Planning Commission.



World Environment Day celebrations at IFGTB, Coimbatore

**TFRI, Jabalpur** organized a Sit & Draw competition on 5<sup>th</sup> June 2010 for school children of staff/ workers of the institute studying at various levels as a part of celebration of 38<sup>th</sup> World Environment Day. An Essay competition was also organized on 8<sup>th</sup> June 2010 for the staff of the institute as a part of celebrations.

**AFRI, Jodhpur** celebrated World Environment Day on 5<sup>th</sup> June 2010. Planting ceremony was initiated by Director, AFRI followed by HOD's and staff of the Institute. A banner in English and pamphlet in Hindi and English on the theme declared by UNEP: "Many Species. One Planet. One Future." were released on the occasion.

**HFRI, Shimla**, has been assigned the responsibility of establishment of Temperate Arboretum Botanical Garden (TABG) in close collaboration with State Forest Department (Wildlife) under overall direction of an Advisory Committee. The 3<sup>rd</sup> Meeting of this Advisory Committee was organized by HFRI, Shimla on 5<sup>th</sup> June 2010 on World Environment Day at the Eco-tourism Camp, Potter's Hill, Shimla. The institute also

organized an "Awareness Generation Workshop of School Children and Local Villagers" on World Environment Day on 5<sup>th</sup> June 2010 at Potter's Hill, near Himachal Pradesh University, Summer Hill, Shimla. Competitions like Quiz Competition, Slogan writing and Drawing/Painting Competition were also conducted by the institute for encouraging the school children.

### International Biodiversity Day / Year

**AFRI, Jodhpur** celebrated International Day for Biological Diversity on 22<sup>nd</sup> May 2010. Activities like tree planting etc. were conducted at the institute to mark the occasion.



Celebration of Biodiversity day in AFRI, Jodhpur

**At TFRI, Jabalpur** lectures on "Challenges in Biodiversity Conservation and illegal trade" and "Criteria and indicator for sustainable forest management for biodiversity conservation" were organized as a part of the International year of Biodiversity celebrations on 4<sup>th</sup> June 2010.

### World Forestry Day

**FRI, Dehradun** celebrated the World Forestry Day on 21<sup>st</sup> March 2010 with an exhibition organized in the information center of the main building. Speaking on the occasion Dr. S.S. Negi Director, FRI stated that FRI was doing research on the adverse effect of climate change on Nanda Devi. The research achievements were displayed through charts and models. The technologies displayed were explained to the visitors by the staff of the respective divisions. On this occasion Dr. V.R.R. Singh, Head Silviculture, Shri Piar Chand, Registrar FRI, Mrs. Jayshree Ardey Chauhan, Head, Extension Division and other senior officers were present.



### World Day to Combat Desertification

**AFRI, Jodhpur** celebrated World Day to Combat Desertification on 17<sup>th</sup> June 2010. Besides planting ceremony, a banner in English and pamphlets in Hindi and English on the theme declared by UNEP: "Enhancing soils everywhere enhancing life everywhere" were released on the occasion.

### National Technology Day

**FRI, Dehradun** celebrated "National Technology Day" on 11<sup>th</sup> May 2010 at Shatabdi Van Vigyan Kendra. The celebration was inaugurated by Dr. S.S. Negi, Director, FRI. On the occasion, about 800 students from different schools of Uttarakhand visited photogallery at Shatabdi Van Vigyan Kendra, City Campus, Dehradun.

### Technology transfer

An MoU between FRI and State Forest Department (SFD), Punjab was signed and technology for production of compost from water hyacinth (*Eichhornia crassipes*), commonly known as Jal Khumbi, was transferred to the department by a team of scientists on 15<sup>th</sup> and 16<sup>th</sup> February 2010. Technology was demonstrated before the forest officials in presence of Shri R.C. Nayyar, IAS, Financial Commissioner and Principal Secretary, Forests and Wildlife, Punjab, Shri B.C. Bala, IFS, PCCF, Punjab, Shri Jitendra Sharma, IFS, CCF (Hills), Punjab and the devotees of environmentalist Baba Balbir Singh Seechewal, Punjab.

## RESEARCH FINDINGS

### Release of *Ganoderma lucidum* Accession at NCBI Gene Bank

*Ganoderma lucidum* is a serious root rot pathogen of trees and its arrival in a plantation sounds the beginning of the end of that plantation. At the same time it is a magical mushroom known as 'King of Herbs' and is being worked extensively for its nutraceutical properties. It is for neurasthenia, nervousness, dizziness, insomnia, high blood pressure, high cholesterol, chronic hepatitis, cancer, AIDS/ARC, nephritis, bronchial asthma,, allergies, pneumonia, stomach disease, coronary heart disease, diabetes, angina, mushroom poisoning fatigue, and for enhancing longevity. Ganoderma nutraceuticals are used as a remedy to treat more than 20 different illnesses, including migraine and headache, hypertension, arthritis, bronchitis, asthma, gastritis,

hypercholesterolemia, hepatitis, cardiovascular problems including leukemia. Such is the vast usage of this fungus in treatment of various ailments that a new therapy known as ganotherapy has come in practice and is gaining fast access in modern day medicines. Today, an estimated 4,300 tons of Ganoderma is produced annually in the world, with China producing 3,000 tons followed by Korea, Japan, Thailand, USA, Malaysia, Vietnam, Indonesia and Sri Lanka.

**FRI, Dehradun** is working on exploring the diversity of this wonderful fungus in North India and has collected more than 75 specimens from Haryana, New Delhi, Punjab, Uttarakhand and Uttar Pradesh for conservation and utilization. The work is on for sequencing Internal Transcribed Spacer (ITS) region of nuclear ribosomal DNA of these collections and 52 ITS sequences have been submitted to Gene Bank (National Center for Biotechnology Information), USA.

Fifteen sequences have been released for north Indian isolates of *Ganoderma lucidum* at NCBI website (<http://www.ncbi.nlm.nih.gov/>) under Accession numbers GU726933, GU726932, GU726931, GU726930, GU726929, GU726928, GU726927, GU726926, GU726925, GU726924, GU726923, GU726922, GU726921, GU726920 and GU7269319. The sequences were simultaneously released by other gene banks viz. European molecular Biology Laboratory Nucleotide Sequence Database, UK (<http://www.ebi.ac.uk/embl/>) and DNA Data Bank of Japan (<http://www.ddbj.nig.ac.jp>)

**IFGTB, Coimbatore** - Extraction, fractionation, purification and identification of bioactive compounds of 10 groups of 13 individual compounds (identified from 3 tissues of *A. marmelos*: half fruit, pulp and seeds) were screened for bioassay conformation, and were evaluated both in the laboratory and systematic field trials against teak insect pests in state forest nurseries at Nilambur and Kulathupuzha at different concentrations (250 to 1000 to 10,000 ppm). Data analysis and confirmatory test against teak insects recorded 70% larval mortality against *H. puera* and lower than 30% in case of *S. litura*.

In IFGTB, Coimbatore, ten Genomic DNA sequences were obtained from *Casuarina equisetifolia* leaf needles. Six sequences were deposited in the Gene bank of NCBI. Gene Bank Accounts:- HN149917, HN149918, HN149919, HN149920, HN149921, HN149922. Four SSR targeted primers were designed.



**IFGTB, Coimbatore** - enhancing planting stock production of selected high yielding clones of Eucalyptus through Micro & Mini cutting technique (IFGTB/RP79/2009-2012) were undertaken. Rooting of clones using juvenile shoot technique for 13 clones was enhanced compared to conventional cutting method.

## PUBLICATIONS

**IFGTB, Coimbatore** published the following books:

- "A manual on Economically Important Forestry Species in South India" edited by Dr. N. Krishnakumar, Dr. K. Palanisamy, Dr. Maheswar Hegde, Shri Kannan Warriar and Shri M. Krishnamoorthy.
- "Tree Borne Oilseeds of Tamil Nadu" in Tamil edited by R.S.C. Jayaraj; A. Anandalakshmi and Dr. N. Krishnakumar.

**IWST, Bengaluru** published the following technical bulletin

- "Application of AM fungi as bio-fertilizer for better growth and production of healthy plants of forestry species".
- "Whitefly pests in forestry and their management".

**IFP, Ranchi** published the Souvenir & Abstract of National Seminar on "Productivity Enhancement & Value Addition of Bamboos" held on 9th and 10th March 2010. The same was released by Dr. G. S. Rawat, DG, ICFRE on 22<sup>nd</sup> February 2010 at Dehradun.



Dr. G. S. Rawat, DG, ICFRE, Dehradun releasing the book titled "Conservation and Management of Bamboo"

**HFRI, Shimla** published the following brochures in Hindi

चिलगोजा (*Pinus gerardiana* Wall.)

बेल (*Aegle marmelos*)

जंगली खाद्य पौधे, जिला किन्नौर 'हि0प्र0 (Wild Edible Plants).

कशमल (*Berberis aristata*)

## KISAN MELA /EXHIBITION/TRADE FAIR ETC.

IFGTB, Coimbatore participated in "Pride of India Expo" and put up a stall of ICFRE during 97<sup>th</sup> Indian Science Congress, University of Kerala, Thiruvananthapuram, Kerala from 3<sup>rd</sup> to 7<sup>th</sup> January 2010.

**IFGTB, Coimbatore** along with Tamilnadu Forest Department participated in the exhibition organized as part of the World Classical Tamil Conference at Coimbatore from 21<sup>st</sup> to 30<sup>th</sup> June 2010. Bows, arrows, axes, implements and ornaments used by the ancient and Medieval Tamil people were on display.

**IWST, Bengaluru** participated in Bamboo Mela, organised by Karnataka Forest Department, Sirsi on 13<sup>th</sup> and 14<sup>th</sup> March 2010. A total of 1000 farmer participated in Mela.

**RFRI, Jorhat** participated in the exhibition organized on the occasion of 8<sup>th</sup> Elephant Festival held at Kaziranga National Park, Assam from 3<sup>rd</sup> to 6<sup>th</sup> January 2010.

**RFRI, Jorhat** participated in the exhibition for technology demonstration for entrepreneurs organized by Assam Science, Technology & Environment Council, Guwahati (Assam) from 3<sup>rd</sup> to 7<sup>th</sup> February 2010 at the Assam Engineering Institute's play ground, Chandmari, Guwahati.

**RFRI, Jorhat** participated in the "State Level Agri-Horti Show" jointly organized by Department of Agriculture, Government. of Assam and Assam Agricultural University, Jorhat from 25<sup>th</sup> to 27<sup>th</sup> February 2010 at Golaghat. RFRI's stall was awarded 3<sup>rd</sup> position amongst 58 participants.

**IFP, Ranchi** participated in the Regional Agriculture Fair 2010 sponsored by Directorate of Extension, Department of Agriculture & Cooperation, Ministry of Agriculture, Government of India and organized by Indian Institute of Natural Resins and Gum (ICAR), Namkum, Ranchi (IINRG), from 22<sup>nd</sup> to 24<sup>th</sup> February 2010. The IFP's stall was adjudged the best and awarded 1<sup>st</sup> Prize.

## AWARDS

**Dr. Rashmi**, Scientist- C, FRI, Dehradun was awarded "Women Scientist Award" for best oral presentation in 2<sup>nd</sup> Rashtriya Yuva Vaigyanik Sammelan-2010.



**Anita Tomar**, Scientist- C, FRI Dehradun was awarded “Young Women Scientist Award” in 2<sup>nd</sup> Rashtriya Yuva Vaiganik Sammelan 2010 for best oral presentation under the theme Basic Sciences.

**Kshitij Malhotra**, FRI Dehradun was awarded “Young Scientist Award” in 2<sup>nd</sup> Rashtriya Yuva Vaiganik Sammelan 2010 for best oral presentation under the theme Basic Sciences and Cutting Edge Technology.

## Expositions

**IWST, Bengaluru** organized launching- cum distribution of catamarans program at Kovallam, Chennai. A total of 24 catamarans were distributed to the fisherman on 30<sup>th</sup> March 2010. The fishermen were explained about the treated technology of catamarans.

## CONSULTANCIES

### Public consultation under Kuther, HEP Chamba, HP

Himachal Pradesh State Pollution Control Board conducted a two-days public hearing for Kuther Hydroelectric Power Project at Chamba District of Himachal Pradesh on 16<sup>th</sup> April 2010 at Dalli Village and on 17<sup>th</sup> April 2010 at Garola village. The meeting was attended by District Magistrate, Sub-divisional Magistrate, Director (Environment, S&T), Department of Environment; Chairman, Zilla Parishad, Chamba District, The Engineer-in-chief (PWD), US-Club, Shimla; The Engineer-in-chief (I&PH), US-Club, Shimla; The Director, Fisheries Deptt., Bilaspur; Forest officers, State Forest Department; JSW the project proponent and EIA consultants from ICFRE and HFRI. A presentation was made by ICFRE on the baseline status of the project and the management plan proposed to overcome the negative impact on physical, biological and social environmental. A detailed plan proposed for tribal area



Public consultation in progress for Kuther, HEP Chamba, Himachal Pradesh

development with proposed tentative financial target was discussed in depth with the public. An overwhelming participation by the villagers affected by the proposed hydropower project was observed.

The EIA Division of ICFRE has undertaken following new EIA consultancies:

- Bio-diversity Impact Assessment study for Kanera lift irrigation scheme in Bhind district of Madhya Pradesh awarded by Water Resources Department, Gwalior.
- Preparation of Bio-diversity Assessment study for Unnao Land Parcel, Unchahar Land Parcel and Wetland study of Patiyali Land Parcel for infrastructural improvement awarded by M/s Jaypee Ventures P. Ltd., Noida.
- Environmental Impact Assessment and Environmental Management Plan for Surgani Sundla (42 MW) Hydroelectric project in Chamba District, Himachal Pradesh awarded by Himachal Pradesh Power Corporation Ltd.
- Environmental Impact Assessment and Environmental Management Plan for Tosh Parvati (400 MW) Hydroelectric Project, District Lahul Spiti, Himachal Pradesh awarded by Himachal Pradesh Power Corporation Ltd.

**HFRI, Shimla** has been awarded a consultancy on, “Assessment of khair trees in non-forest land in six districts of Jammu region of J&K” amounting to ₹ 57.50 Lakh by the State Forest Department, J&K.

**HFRI, Shimla** has been awarded a consultancy for Preparation of CAT Plan for Phinan Medium Irrigation Project in Chuwari of Dalhousie Forest Division, Distt. Kangra at a cost of ₹ 15.00 Lakh.

**IFP, Ranchi** and Jharkhand State Forest Development Corporation Limited (SFDCL), Ranchi have signed Terms of Reference for the project on “Estimate of Kendu (*Diospyros melanoxylon*) leaves production in Jharkhand” on 19<sup>th</sup> January 2010. The Budget for this SFDCL, Ranchi funded 6 month project is ₹ 29.00 lakh.

## VISITS OF DIGNITARIES

Shri C. Sivasankar Reddy, IFS, PCCF, Andhra Pradesh Forest Department, visited IFGTB, Coimbatore on 26<sup>th</sup> February 2010.



Ms. Meera Saxena, IAS, Principal Secretary, Department of Forests, Ecology and Environment, Govt. of Karnataka visited IWST, Bengaluru on 12<sup>th</sup> January 2010 and interacted with the officers and scientists of the Institute.

Shri C. Sivasankar Reddy, IFS, PCCF, Andhra Pradesh Forest Department, visited IFGTB, Coimbatore on 26<sup>th</sup> February 2010.

Shri Luckose Velluthurai, IAS, Managing Director, Karnataka State Handicrafts Development Corporation

visited IWST, Bengaluru on 13<sup>th</sup> January 2010 and interacted with the officers and scientist of the Institute.

Dr. P. B. Gangopadhyay, IFS, Additional DGF (FC), MoEF, New Delhi, visited HFRI, Shimla on 19<sup>th</sup> February 2010 and discussed the research issues with the scientists and officers of the institute.

Prof Esbjoran Anderson from Swedish University of Agricultural Sciences, SLU visited ICFRE to develop MoU on capacity building in June 2010.

### **XVIII All India Forest Sports Meet**

XVIII All India Forest Sports Competition was held from 2<sup>nd</sup> to 6<sup>th</sup> February 2010 in Bhopal (Madhya Pradesh). Around 2000 participants belonging to 40 teams took part in this event. 40 members of the Council took part in this competition. ICFRE stood 18<sup>th</sup> position with a score of 31. The Council got 2 gold, 3 silver and 3 bronze medals and got 4<sup>th</sup> position in five other competitions. The Council took part in 6 competitions in Lawn Tennis and got medals in each. Shri Amit Asthana participated in Veteran Tennis Doubles, and got gold medal. Mrs. Jaishree Ardey Chauhan participated in Mixed Double in Lawn Tennis and Veteran Single and got 1 silver and 1 bronze medal and she also got 4<sup>th</sup> position in Veteran Doubles. Dr. Sanjay Srivastava got silver in Billiards. He got 4<sup>th</sup> position in snooker. Shri Pankaj Aggarwal participated in Men's Single, Men's Double and Mixed Double and got 1 gold and 2 bronze medals. Dr. D.S. Pangti participated in Lawn Tennis Men's Double, Men's Veteran Single and Men's Veteran Doubles and got 1 gold and 2 bronze medals. Shri Mridul Saikiya of Rain Forest Research Institute, Jorhat participated in power lifting and got 1 silver, got 4<sup>th</sup> position in weight lifting.

### **DG, ICFRE, Dehradun inaugurated College of Forestry at Navsari Agricultural University, Navsari**

The first College of Forestry at Navsari Agricultural University (NAU), Navsari, Gujarat, established with the financial aid of ICFRE, was inaugurated on 7<sup>th</sup> May 2010. Shri Mangu Bhai Patel, Minister for Forests, Environment and Tribal Development, Gujarat was the Chief Guest and Dr. G.S. Rawat, DG, ICFRE, Dehradun was the Chairman of the inauguration ceremony. The function started with tree plantation in the campus of the newly built building of College of Forestry. Addressing the



**Newly inaugurated building of College of Forestry at NAU, Navsari**  
Inset- Dr. G.S. Rawat, DG, ICFRE being welcomed by Vice- Chancellor, NAU (left),  
Dr. Rawat inaugurating the building of the College of Forestry at NAU, Navsari (right)

scientists and teachers of NAU, Dr. Rawat urged to disseminate the forestry technologies developed by ICFRE to the farmers and common people for the sake of development of forestry and agroforestry. Prof. A.R. Pathak, Vice Chancellor, NAU, Navsari expressed gratitude for the support provided by the Council.



## DG, ICFRE, Dehradun inspects the preservation works in Cambodia

Dr. G.S. Rawat, DG, ICFRE, Dehradun inspected the pretreatment and preservation works being conducted by FRI, Dehradun at Ta phrom temple in Cambodia during 2<sup>nd</sup> to 7<sup>th</sup> March 2010. He along with the team of experts met Mr. Bun Narith, DG, APSARA National Authority and



Dr. G.S. Rawat, DG, ICFRE, Dehradun along with Dr. N.S.K. Harsh, Head Pathology Division, FRI, Dehradun inspecting the preservation work at Ta phrom temple in Cambodia

other senior officers and assured them of complete co-operation from the Council. He also met Shri R.K. Sachdev, Ambassador of India to Cambodia and apprised him on the works being done by the Council in Cambodia.



Dr. G.S. Rawat, DG, ICFRE, Dehradun with Shri R.K. Sachdev, ambassador of India in Cambodia

## Indian Forestry Congress 2011

We are all aware that UN General Assembly has proclaimed the year 2011 as the UN International Year of Forests (Forests 2011). In this regard, suggestions have been received from many quarters and it has been advised that the integration of annual event of Indian Forestry Congress should be part of our celebration of the International year of Forestry, 2011. After due consideration and discussion with the Ministry of Environment and Forests, New Delhi, it has now been decided that the 1<sup>st</sup> Indian Forestry Congress will be organized in 2011 tentatively in September/October (instead of 15<sup>th</sup> to 18<sup>th</sup> December 2010). The exact dates of the Congress will be communicated in due course. In this scenario, the following is resolved:

- i. There might be modification in the themes and sub- themes,
- ii. The abstracts received will remain valid and will be tried to be accommodated in the new schedule to the best possible extent,
- iii. Those who have already paid the participation fee, their nomination (subject to change in fee structure) will remain valid for participation in the proposed Forestry Congress in 2011. However, if someone decides to withdraw his/her nomination, then the fee already paid would be refunded in full on such a request.

### For any further query, please contact

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## STAFF NEWS

Name & Designation	Date
<b>Appointments:</b>	
Dr. Parul Bhatt, Scientist- C, FRI, Dehradun	18.01.2010
Dr. T.N. Manohra, Scientist- C, RFRI Jorhat	18.01.2010
Dr. Triyugi Nath, Scientist- C, RFRI, Jorhat	18.01.2010
Km. Seema Joshi, Research Officer, HFRI, Shimla	22.01.2010
Shri Hukum Singh, Research Officer, IFGTB, Coimbatore	02.03.2010
Dr. Grish Chandra, Scientist- C, TFRI, Jabalpur	05.03.2010
Km. Desha Meena, Research Officer, IFGTB, Coimbatore	12.03.2010
Dr. C.M. Mathavan, Scientist- C, FRI, Dehradun	15.03.2010
Dr. Arvind Kumar, Scientist- C, IFP, Ranchi	26.03.2010
Shri Manoj Kumar, Research Officer, FRI, Dehradun	08.04.2010
Dr. Shilpa Gautam, Scientist- C, FRI, Dehradun	25.06.2010
<b>Promotions:</b>	
Dr. R.V. Rao, Scientist- G (FCS), IWST, Bengaluru	01.01.2010
Smt. Seema Thakur, P.S., Directorate of Administration, ICFRE, Dehradun	09.03.2010
Shri Rambir Singh, Scientist- B, FRI, Dehradun	05.04.2010
Shri N.D. Khobragade, Scientist- B, IFP, Ranchi	07.04.2010
Dr. S.C. Biswas, Scientist- B, TFRI, Jabalpur	21.04.2010
Smt. A. Shanthi, Scientist- B, CFR&HRD, Chhindwara	26.04.2010
Shri H.C. Sinduveerandra, Scientist-B, IFP, Ranchi	06.05.2010
<b>Transferred to:</b>	
Shri K.S. Venkataraman, Research Officer, IFGTB, Coimbatore	05.05.2010
Shri Sudhir Kumar, Scientist- C, ICFRE, Dehradun	24.05.2010
Dr. Vishavjit Kumar, Scientist- B, FRI, Dehradun	14.06.2010
<b>Deputation:</b>	
Shri Har Prasad, SFS (A&N Islands), DCF, CFRHRD, Chhindwara	30.01.2010
Shri N.P. Singh Nain, SFS (A&N Islands), DCF, RFRI, Jorhat	01.02.2010
Shri S.K. Shanmugasundaram, IFS (TN:92), Conservator of Forests, IFGTB, Coimbatore	25.02.2010
Shri U.Rama Krishnaraju, FRO, TFRI, Jabalpur	25.02.2010
Shri R. Muthu, FRO, IFGTB, Coimbatore	25.02.2010
Shri Roshan Singh Loitan, FRO, RFRI, Jorhat	02.03.2010
Shri Pramod Pant, IFS(MT:86), ADG (Admin.), ICFRE, Dehradun	11.03.2010
Shri T.S. Dange, IFS (TN:87), Conservator of Forests, FRC, Hyderabad	15.03.2010
Dr. K.Murugesan, IFS (OR:94), DCF, IWST, Bengaluru	14.05.2010
Shri G.C. Pant, SFS (UA), DCF, Van Vigyan Bhawan, New Delhi	25.05.2010
Shri Shashikar Samanta, IFS (JHK:89), Conservator of Forests, FRI, Dehradun	17.06.2010
<b>Repatriation:</b>	
Shri S.D. Singh, FRO, FRI, Dehradun	02.01.2010
Shri T.C. Nautiyal, SFS (A&N Islands), Registrar, FRI University	09.03.2010
Shri M.Z. Singson, SFS (Mizoram)	31.03.2010
Shri P.K. Dobhal, SFS (UA), DCF, IWST, Bengaluru	01.04.2010
Shri Salabuddin Ahamed, FRO, SASVPSY Project, Patna	17.05.2010
Shri T.T. Jacob, FRO, FRI, Dehradun	09.06.2010
<b>Retirement:</b>	
Dr. R.V. Rao, Scientist- G, IWST, Bengaluru	31.01.2010
Dr. S.B. Singh, Scientist- F, FRI, Dehradun	31.01.2010
Shri B.D. Kanswal, Scientist- B, FRI, Dehradun	31.03.2010
Dr. Sumer Chand, Scientist- D, FRI, Dehradun	31.05.2010
Shri R.L. Rao, P.S., EIA, ICFRE, Dehradun	31.05.2010
Shri M.G. Ahmed, Scientist- D (L&I), FRI, Dehradun	30.06.2010

## OBITUARY

ICFRE family deeply condoles the sudden and sad demise of Smt. T.R. Hemavati, Scientist- D of IWST, Bengaluru on 31.03.2010 and prays for the peace of the departed soul.

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### **Morphological variations in *Ganoderma lucidum***

*Ganoderma lucidum* is a serious root rot pathogen of trees and its arrival in a plantation seals the beginning of the end for that plantation. At the same time it is a magical mushroom known as 'King of Herbs' and being worked extensively for its nutraceutical properties. Today, an estimated 4,300 tons of *Ganoderma* is produced yearly in the world, with China producing 3,000 tons followed by Korea, Japan, Thailand, USA, Malaysia, Vietnam, Indonesia and Sri Lanka.

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