



# ICFRE NEWSLETTER

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## INDIAN COUNCIL OF FORESTRY RESEARCH & EDUCATION



Flowering of *Dillenia pentagyna*, a tree species found in dry-forest and open grassland, in Jerrila, a Bauxite rich hill area, Andhra Pradesh.

Photo: EIA Division, ICFRE, Dehradun

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## Germplasm collection of *Terminalia chebula*



A bunch of fruits from a candidate plus tree of *T. chebula* at Talwadi, Tamil Nadu

*Terminalia chebula* Retz. (Combretaceae) is an important tree of pharmaceutical and trade value. It is a moderate sized deciduous tree, ascends up to 1500 m in the outer Himalayas and up to 900 m on dry slopes in the Western and Eastern Ghats. Fruits of this species are a major constituent of famous Ayurvedic preparation "Triphala" and "Chyavanprash" which find use in wide array of areas ranging from rejuvenating, astringent, cardioprotective, antacid and antibacterial properties. The fruits of *T. chebula* are also valued for preparation of dye used in dyeing leather and handloom clothes.

In Tamil Nadu *T. chebula* is a major NTFP species. Fruits, which find use in pharmaceutical and tannin industries, are major income source in poverty stricken eastern ghat hilly tribal belts. Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore has undertaken efforts to conserve and utilize available germplasm in Tamil Nadu under a project funded by MoEF. The institute identified several candidate plus trees in various places in Tamil Nadu. Fruits of these selected trees analysed for major medicinally active compounds like phenols, tannins and ellagic acid. Seed handling, nursery and vegetative propagation techniques have been standardized. Efforts are being taken up to establish a germplasm bank of these CPTs.

## Moisture level for maximum oil yield from *Jatropha*

IFGTB, Coimbatore determined appropriate lowest safe moisture content level for *Jatropha curcas* seeds in order to recover maximum oil with good physico-chemical properties. It was found that seeds need to be dried at a constant moisture content to obtain maximum oil percentage for desirable oil properties.

## Evaluation of *Eucalyptus* clones

Institute of Wood Science and Technology (IWST), Bangalore evaluated 15 clones of *Eucalyptus tereticornis* from Nagroor, near Bangalore and 10 clones from IFGTB, Coimbatore for the growth strain. It was observed that clones from Coimbatore had more strains than that of Bangalore region. Green density of the clones from Bangalore was

found to be almost constant while the basic density varied.

## Impact of Forest Fire on the regeneration of Forest in Andhra Pradesh

IWST, Bangalore observed that though fire had no significant effect on changing the species richness i.e., total number of species in the given plant community, it has significantly alerted the abundance of the species. In fire affected areas, community was pushed to more unevenness thereby reducing the species diversity of the community. It was observed that on fire effected areas pioneer species of *Cyperus*, *Panicum* and *Phyllanthus* were dominating. Fire indicator species like *Sida*, *Cassia* species are appeared. In protected forests where the fencing or the protects from grazing was provided there was significant regeneration of the tree species, especially *Tectona grandis*,



## Participation of ICFRE delegation in the 28<sup>th</sup> SBSTA/SBI meeting of UNFCCC (United Nations Framework Convention on Climate Change) held in Bonn (Germany) from 2<sup>nd</sup> to 13<sup>th</sup> June 2008

The ICFRE delegation, comprising Shri Jagdish Kishwan, DG, ICFRE, Dr Renu Singh, Head, Biodiversity and Climate Change Division, Mr. V.R.S. Rawat, Scientist, Biodiversity and Climate Change Division, and Dr. A. Ramachandran, Director, Centre for Climate Change and Adaptation Research, Anna University Chennai, Tamil Nadu participated in the meeting alongwith the Government of India Delegation.

The delegation was fully involved in negotiations in respect of SBSTA Agenda item 5 on Reducing Emissions from Deforestation in Developing Countries (REDD): Approaches to stimulate action; AWG KP Agenda item 3(b) on Land Use, Land Use Change and Forestry (LULUCF) and SBSTA Agenda item 8 (c) Good Practice Guidance for Land Use, Land Use Change and Forestry activities under articles 3.3 and 3.4 of Kyoto Protocol during the Conference.



Participation of ICFRE delegation in the 28<sup>th</sup> SBSTA/SBI meeting of UNFCCC

India in its opening statement reiterated support for adoption of a holistic approach while discussing outstanding methodological issues relating to various policy approaches including conservation, sustainable management of forests, reducing deforestation and increase in forest cover, under REDD. It also stressed on development of a common methodology for assessment and monitoring of forest carbon stocks suitable to all policy approaches being followed by different countries. India was able to highlight and get included phrases of interest to India like “estimating and monitoring changes in forest cover”, “incremental changes due to sustainable management of the forest,” “Options for.....forest inventories, ground based, and remote sensing approaches”, “...role of conservation, sustainable management of forests, and enhancement of forest carbon stocks...” in the draft text for further considerations.

*Lagerstroemia*, *Azadirachta* and *Anogeissus* species were observed. *Dendrocalamus* regeneration was also promising in protected forests.

### Meetings

**The Biodiversity and Climate Change Division (BCC)** of the Indian Council of Forestry Research and Education (ICFRE), Dehradun organized a two-day inception meeting of the Second National Communication (SNC) project on Assessment of Soil Carbon Stock and Dynamics in Forest Soil of India for the period 1995-2007 on 9<sup>th</sup> and 10<sup>th</sup> May 2008 at Dehradun under the Chairmanship of Shri Jagdish Kishwan,



Inception Meeting of the NATCOM II Project

Director General, ICFRE Dehradun. The nodal officers from ICFRE regional Institutes, and Indian Institute of Remote Sensing (IIRS), Dehradun attended the meeting to finalize the sampling plan and methodological details of the project.



**ICFRE Board of Governors Meeting** was held on 21<sup>st</sup> May 2008 at Paryavaran Bhawan, New Delhi.

**Rain Forest Research Institute (RFRI), Jorhat** organized a meeting under the chairmanship of Dr. G.S. Rawat, Deputy Director General, ICFRE on “Programme to enhance the national and local capacities to maximise the opportunities offered by bamboo flowering in India” on 22<sup>nd</sup> May 2008 at Indian Institute of Entrepreneurship, Beltola, Guwahati. The meeting was attended by representative of International Network of Bamboo and Rattan (INBAR), MoEF, and PCCFs from all North-East States including Sikkim. The ICFRE Dehradun, in association with INBAR has entrusted the RFRI, Jorhat to implement the programme in the North-eastern States. The INBAR will fund the project to enhance the National and Local capacity to maximize poverty alleviation and environmental amelioration opportunities in north-eastern India after bamboo flowering.



Mr. Andrew Bentom, Manager of INBAR inaugurating the meeting

**HFRI, Shimla** organized a meeting at Demo Village Lanabanka, Sirmour (H.P.) to showcase and demonstrate the technologies in forestry research and practices on 21<sup>st</sup> June 2008.

### Workshops/Conference

**RFRI, Jorhat** organized a National Conference on “All India Coordinated

Project on Bamboo” at Indian Institute of Entrepreneurship, Guwahati on 23<sup>rd</sup> May 2008. Hon'ble Chief Minister of Assam Shri Tarun Gogoi, Hon'ble Director General of ICFRE, Shri Jagdish Kishwan, Director, RFRI Jorhat, Scientists, Officers, staff of RFRI, Jorhat and other dignitaries of all India level attended the conference.



Hon'ble Chief Minister of Assam Shri Tarun Gogoi, Shri Jagdish Kishwan and Dr. M.S. Negi, releasing the booklets on Van Vigyan Kendra, Assam

**Himalayan Forest Research Institute (HFRI), Shimla** were organized three workshops titled “e-Governance Initiative by ICFRE and Development of Indian Forestry Research Information System (IFRIS)” to enthuse a sense of modern trends in e-Governance on 21<sup>st</sup> to 23<sup>rd</sup> May and 2<sup>nd</sup> June 2008.

### Short Term Training Courses

**Forest Research Institute (FRI), Dehradun** organized a short term training course on “Plant Identification and Management of Herbarium” from 12<sup>th</sup> to 16<sup>th</sup> May 2008.

**FRI, Dehradun** organized a short term training course on “Identification of timbers through field and lab orientation” from 26<sup>th</sup> to 30<sup>th</sup> May 2008. Officers from RITES Ltd., Eastern regions, Kolkata; Western regions, Mumbai; Durgapur Steel Plant, Durgapur and Bhilai Steel Plant, Durg attended the training.

**FRI, Dehradun** organized short term training courses on “Bamboo Development” sponsored by BTSG,



ICFRE, Dehradun for farmers/ field functionaries of Rajasthan Horticulture Department from 7<sup>th</sup> to 11<sup>th</sup> April 2008, for Forester and Forest Guards of Uttarakhand Forest Department from 19<sup>th</sup> to 23<sup>rd</sup> May 2008, for field staff of H.P. from 16<sup>th</sup> to 20<sup>th</sup> June 2008 and for farmers/ field functionaries of Agriculture Department and Forest Guards of J&K State from 23<sup>rd</sup> to 27<sup>th</sup> June 2008 at Shatabdi Van Vigyan Kendra. The course focused on Importance, Management and Conservation of Bamboo, Nursery and Plantation Techniques, Testing and storage of bamboo seed, Infrastructure development for propagation of bamboos, insect and pest, diseases and its management, seasoning, preservation and bamboo products.



Short term training on "Bamboo Development" at FRI, Dehradun

**Tropical Forest Research Institute (TFRI), Jabalpur** organized a short term training course on "Afforestation of stress sites" for the executives of National Thermal Power Corporation (NTPC) from 3<sup>rd</sup> to 5<sup>th</sup> April 2008. The training was organized at Pench National Park.



Executives of NTPC attending the training programme on "Afforestation of stress sites at Pench National Park, Seoni

**TFRI, Jabalpur** organised a training on "Root trainer Technology for Timber Yielding Species of Central India" at Van Vigyan Kendra, Koraput, Orissa on 20<sup>th</sup> and 21<sup>st</sup> May 2008.

**TFRI, Jabalpur** organized two days training programme on "Bamboo Plantation at Farmers Field and their Uses" for selected farmers of different villages of Chhindwara district of Madhya Pradesh under National Bamboo Mission funded project on 21<sup>st</sup> and 22<sup>nd</sup> May 2008.

**RFRI, Jorhat** organized an excursion for farmers of Demo Village Koliapani to Bamboo Co-operative society, Majuli. Training-cum-demonstration programme was also held on Chemical Treatment of Bamboo for Furniture making on 31<sup>st</sup> May 2008 for the farmers. Institute also organized two one-day training programmes on "Vermicomposting for Organic farming" and "Farmers training on Nursery and Plantation Techniques of *Acacia mangium*" for farmers of Demo Village Koliapani on 30<sup>th</sup> May and 26<sup>th</sup> June 2008, respectively.

**Institute of Forest Productivity (IFP), Ranchi** conducted an awareness Workshop on "Development and Implementation of IFRIS-Long Term Information Technology (IT) Vision" on 22<sup>nd</sup> and 23<sup>rd</sup> May 2008.

**IFP, Ranchi** conducted a training programme on "Information Technology and Basics of Computers" for Ministerial and Technical Staff of IFP from 29<sup>th</sup> May to 11<sup>th</sup> June 2008.

**IFP, Ranchi** conducted a training on "Scientific Cultivation of Lac" to the Forest Guards of SFD, Jharkhand from 5<sup>th</sup> to 9<sup>th</sup> May 2008. Training on "Modern Nursery Techniques" was also imparted to FROs of SFD, Jharkhand from 12<sup>th</sup> to 16<sup>th</sup> May 2008.



## National Technology Day Celebrated

**FRI, Dehradun** celebrated the “National Technology Day” on 11<sup>th</sup> May 2008. Entry to all six museums was free on this day.

## International Biodiversity Day Celebrated

**FRI, Dehradun, TFRI, Jabalpur and AFRI, Jodhpur** celebrated “International Biodiversity Day” on 22<sup>nd</sup> May 2008. FRI, organized a field trip to the sylvan surroundings of the FRI campus for the visitors and children of different age.

## World Environment Day Celebrated

**FRI, Dehradun, IFGTB, Coimbatore, AFRI, Jodhpur, RFRI, Jorhat, HFRI, Shimla and CSFER, Allahabad** celebrated the “World Environment Day” on 5<sup>th</sup> June 2008. FRI, Dehradun celebrated FRI Day too on this day. At AFRI, Jodhpur a pamphlet and a booklet on biodiversity were released and a painting competition on “Biodiversity: an invaluable asset” involving school children of various school was organized.



World Environment Day and FRI Day was celebrated at FRI, Dehradun

## Combating Desertification Day Celebrated

**AFRI, Jodhpur** celebrated Maru Prasar Rok Divas (Combating Desertification Day) on 17<sup>th</sup> June 2008. Plantation of one hundred eighty plants of Silvicultural and

horticultural species of Guggul, Khejari, Nimbu, Gunda was undertaken in the Forest Ecology field of the institute under NMPB funded project on Silva-Ayurveda. A pamphlet on desertification, its effects and ways to arrest it, was released on this occasion.



Plantation activity on the occasion of Combating Desertification Day at AFRI, Jodhpur

## Publication

**IWST, Bangalore** published a Technical Bulletin in English on “Sap displacement techniques on treating small girth timber and bamboo”.

## Visit of dignitaries

Mr. Felice Padovani, Forestry Officer (Statistics), Forestry Policy and Planning Division Forestry Department, Rome, visited ICFRE from 17<sup>th</sup> to 21<sup>st</sup> May 2008 to give the inputs to the forestry statistical reporting system being developed by the Division of Statistics, Directorate of Extension, ICFRE under the project sponsored by International Tropical Timber Organization. Mr. Padovani reviewed the project activities and gave inputs to the development of the reporting system as followed by the international community. He also explained the data validation mechanism followed by the FAO of the UN and gave spread sheet solution demonstration for development of a sound validation process. He also explained the mechanism of development of the FAO year book on Forest Products. He expressed his satisfaction over the implementation of the ITTO ICFRE project.



His Excellency K. Sankara Narayanan, Governor of Nagaland visited FRI, Dehradun on 25<sup>th</sup> May 2008.



His Excellency K. Sankara Narayanan, Governor of Nagaland at FRI, Dehradun

Mr. Anil Oberoi, Addl. PCCF, Madhya Pradesh visited IFGTB, Coimbatore and made presentation on the facilities developed from Information and Communication Technology on 13<sup>th</sup> June 2008.

Hon'ble Minister Shri S. Regupathy, Minister of State for Forests, Ministry of Environment & Forests, Govt. of India visited IFGTB, Coimbatore on 16<sup>th</sup> June 2008.



Hon'ble Minister Shri S. Regupathy, Minister of State for Forests, MoEF, Govt. of India visited IFGTB, Coimbatore

Shri J.C. Kala, Former DG (Forests), Secretary to Govt. of India and Member, ICFRE Society visited IWST, Bangalore on 11<sup>th</sup> April 2008.

Mr. Victor G. Buryndin, Professor, Leader of Department and Mr. Tatiana I. Tarasova, Head of Department of International Corporation and External

Affairs, Ural State Forest Engineering University, Sibirski trakt, Ekaterinburg, Russia visited IWST, Bangalore on 15<sup>th</sup> May 2008.

## Consultancies

**Environmental Impact Assessment Division**, Directorate of Extension completed the consultancy on the Rapid Environmental Impact Assessment for New Delhi Municipal Corporation Limited (NDMCL) to up-graduate the Talkatora Indoor Stadium for fourth coming Common Wealth Games, 2010.

**IFGTB, Coimbatore** awarded a NATCOM project on "Assessment of soil carbon stocks and dynamics in forest soils in India" for the period 1995-2007.

## IFP, Ranchi signed MoU with DVC

MoU was signed with Damodar Valley Corporation (DVC) for providing consultancy services on "Plantation and green belt development around Chandrapura Thermal Power Station, DVC". Shri Rameshwar Das, C. F. visited Chandrapura Thermal Power Station, DVC on 17<sup>th</sup> and 18<sup>th</sup> April 2008 for preliminary site inspection.

## Award

Dr. O.K. Remadevi, Scientist-F, IWST, Bangalore was awarded "ICFRE Award for Excellence" in Forest Protection for the year 2005-2006.

## Calendar of RAG Meetings 2008

Name of the Institute	Dates
IFGTB, Coimbatore	28-29 Aug.2008
TFRI, Jabalpur	04-05 Sept.2008
IFP, Ranchi	15-16 Sept.2008
AFRI, Jodhpur	29-30 Sept. 2008
IWST, Bangalore	13-14 Oct. 2008
HFRI, Shimla	23-24 Oct. 2008
FRI, Dehradun	06-07 Nov. 2008
RFRI, Jorhat	17-18 Nov. 2008

## Staff News

### Joining:

Shri S. R. Baloch, R.O., FRI, Dehradun	07.04.08
Shri S.K. Sharma, Scientist-B, FRI, Dehradun	21.04.08
Shri Promod Kumar, Scientist-B, FRI, Dehradun	21.04.08
Shri Amit Asthana, IFS, FRI, Dehradun	21.05.08

### Transfer:

Dr. Ajay Thakur Scientist-C, CSFER, Allahabad	02.04.2008
Dr. N.K. Bohra, R.O., AFRI, Jodhpur	02.05.2008
Dr. I.D. Arya, Scientist-F, AFRI, Jodhpur	23.05.2008
Sh. E. Venkat Reddy, IFS, DCF, TFRI, Jabalpur	30.05.2008

### Repatriations:

Dr. M. Surya Prakash, IFS (AGMUT:85) Director, IFGTB, Coimbatore	23.05.2008
Sh. N. P. S. Nain, SFS (A&NI) DCF, TFRI, Jabalpur	08.05.2008
Sh. A. Anil Kumar, SFS (A&NI) DCF, IFGTB, Coimbatore	10.05.2008
Sh. Sushil Kumar Kapta, IFS (HP:99) DCF, HFRI, Shimla	31.05.2008
Dr. S. K. Sinha, CMO, NFH, FRI, Dehradun	06.06.2008

### Deputation:

Sh. Omkar Singh, IFS (AGMUT:82) Conservator of Forests, FRI, Dehradun	20.06.2008
Sh. Sudhashu Gupta, IFS (TN:89) ADG (RP), ICFRE	23.06.2008
Sh. R.K. Dogra, IFS (TN:91) ADG (Education), ICFRE	11.06.2008

Sh. Pankaj Agarwal, IFS (MP:91) ADG (PF), ICFRE	19.05.2008
Sh. Sandeep Sundriyal, IFS (WB:91) ADG (Stat), ICFRE	16.05.2008
Ms. Imtenla Ao, IFS (MS:92) Conservator of Forests, RFRI, Jorhat	14.05.2008
Sh. Manoj Bhaik, IFS (HP:89) Conservator of Forests, HFRI, Shimla	19.05.2008
Sh. Rajesh, IFS (AGMUT:88) Conservator of Forests, AFRI, Jodhpur	18.06.2008
Sh. M. R. Baloch, IFS (WB:90) Conservator of Forests, AFRI, Jodhpur	20.06.2008
Sh. S. R. Reddy, SFS (UP) DCF, FRI, Dehradun	24.06.2008
Dr. D. S. Pangtey, CMO, NFH, FRI, Dehradun	14.05.2008
Dr. N. S. Chauhan, CMO, NFH, FRI, Dehradun	05.06.2008

### Retirements:

Dr. Jasbir Singh, Scientist-E, RFRI, Jorhat	30.06.2008
Smt. Jamuna Devi, Khalasi, FRI, Dehradun	30.04.2008
Shri R.K. Dhiman, R.A.I (ALI), ICFRE	31.05.2008
Shri Chandra Mani Pant, Mali, FRI, Dehradun	31.05.2008
Shri Som Nath, Head Mali, FRI, Dehradun	31.05.2008
Shri S.S. Rana, R.A.I, FRI, Dehradun	30.06.2008
Shri Umed Singh, R.A.I (Foreman), FRI, Dehradun	30.06.2008
Shri Dalwara Singh, LDC, ICFRE, Dehradun	30.06.2008

## OBITUARY

**ICFRE family deeply condoles the sudden and sad demise of Shri M. Prabhakar, T.A. Gr.C, IWST, Bangalore on 30.05.2008, and prays for the peace of the departed soul.**

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Shri Jagdish Kishwan, DG

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