



ICFRE NEWSLETTER

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INDIAN COUNCIL OF FORESTRY RESEARCH & EDUCATION



Photo : Dr. H.B. Naithani

Valley of Flowers National Park, Uttarakhand
A World Heritage Site

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Editorial

The quarter ending 30th September, 2005 has been a momentous quarter for ICFRE and institutes. Our scientists and officers ably assisted by the dedicated staff have been in the fore front of forestry research through out the length and breadth of country. The frontiers of knowledge have been expanded and sharpened in the service of the people of this great nation. New finds such as Cypress forest patch and a new associations of plants by the scientists of HFRI, Shimla are worth mentioning in this regard. Dr. Jamaluddin of TFRI, Jabalpur continued to shine by dint of his unstoppable efforts and was awarded 'Vishisht Vaigyanik Puraskar' for the year 2001-02 by the Hon'ble Minister of State, Environment and Forests, Sri Namonarin Meena.

Research Activities

Natural patch of Cypress forest found in Himachal Pradesh

A team of scientists from Himalayan Forest Research Institute during their floristic survey in Kol Dam Catchment area at Majhana at an altitude of 2150 m above sea level in Dharampur beat of Theog Forest Division in Shimla District stumbled upon a patch of natural Cypress (*Cupressus torulosa* D. Don) forest. This species of



A Patch of Cypress Forest in Himachal Pradesh

Cypress is only one of the twenty species of the genus, which is found in Himachal Pradesh. It is considered a better timber than Deodar based on its quality of accepting paint and polish well and for not exuding any oil during wood working.

The trees in this patch were of all age classes including seedlings and saplings. The height and girth of the trees was found to be more than 15 m and 45 cm, respectively. Though most of the trees were loped, there were plenty of seeds available for regeneration.

New plant association

Dactylorhiza hatagirea locally called Salam Panja has been found in association with *Equisetum* sp., *Trifolium ripens*, *Ranunculus hirtellus*, *Phlomis bracteata*, *Caltha palustris* along with sedges and rushes - near Khangsar in Lahaul and Spiti valley at an altitude of 3200 m above sea level. The species of this association are of immense medical importance. This association has been detected for the first time.



Salam Panja Plants in Lahaul and Spiti valley

Oak defoliation

On receiving a request from Himachal Pradesh Forest Department the HFRI has initiated the work on analyzing the causes of large scale defoliation of Oaks in Rajgarh Forest Division. Preliminary investigation showed that the defoliation is most pronounced in

the age group of 45 to 50 years trees compared to the trees older than 60 years. Larva and egg masses have been collected from the trees and further investigation is in progress.

Tamarind clone bank established

The studies conducted at Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore in a 15 years old tamarind clone bank established by Karnataka Forest Department at Hoskote, revealed that all the 42 clones were fertile. However, the fertility varied between clones and ramets. Some of the ramets of productive clones like NBN1 and NBN4 produced upto 12000 fruit per tree. Similarly in a tamarind plantation at Hosur, fertility was found to vary considerably between trees and the maximum fruit production was 600 per tree.

Three compounds were isolated from the acetone and methanol extractives of seeds of *Achyranthes aspera*

Forest Research Institute (FRI), Dehradun conducted a study on three compounds, which were isolated from the acetone and methanol extractives of *Achyranthes aspera* seeds. Their structures were elucidated by spectral data (IR, NMR, 2D-NMR, MS) and hydrolysis studies. All of these were found to be triterpenoid glycosides.

Seminar and workshops organized and attended

Dr. A.M. Kanfade, IFS Coordinator (Facilities) and Dr. S. Viswanath, Scientist-D of IWST, Bangalore attended CDM Workshop at RRII,

Kottayam from 11th to 13th August, 2005.

One day Indo-Italian seminar on "Quality Issues in Forestry and Forest Products" was organised on 20th September, 2005 at IWST, Bangalore.



Dr. R. Sundararaj of IWST, Bangalore attended the Regional conference on "Science Technology society on 17th September, 2005 held at Bangalore organized by Karnataka Regional branch of Indian Institute of Public Administration, New Delhi.

Shri N.V. Mathish, Scientist-C and Mrs. R. Anandalakshmi, Scientist-C of IFGTB, Coimbatore attended a technical seminar on "Innovative HPLC and Analytical Solution" held on 12th September, 2005 at the Residency Hotel, Coimbatore.

Dr. S. Murugesan, Scientist-E and Dr. Modhumita Dasgupta, Scientist-C of IFGTB, Coimbatore attended a seminar on "Intellectual Property Rights in Bio-informatics and Bio-technology" sponsored by Department of Bio-technology, Government of India and Pondicherry University held at Bio-informatics Centre, Pondicherry University on 15th and 16th September, 2005.

Dr. V. Mohan, Scientist-D of IFGTB, Coimbatore participated and presented a research paper entitled "Diversity of ecto-mycorrhizal fungi in the Nilgiri Biosphere Reserve area of South India and their future potential"



in the National Conference on “Frontiers in Environmental Sciences and Engineering in India” organized by the Department of Environmental Sciences and held at Bharathiar University, Coimbatore from 15th to 17th September, 2005.

Shri N.V. Mathish, Scientist-C of IFGTB, Coimbatore attended a seminar on “Database and its Applications in Agriculture” held on 26th and 27th September, 2005 at Tamil Nadu Agriculture University, Coimbatore.

Dr. K.S. Kapoor, IFS, HFRI, Shimla attended an International Workshop on “Conserving Hill and Mountain Ecology” from 24th to 26th August, 2005 at Shimla organized by United States Educational Foundation in India in collaboration with Institute of Integrated Himalayan Studies, Himachal Pradesh University, Shimla and Forest Survey of India, Shimla.

Shri K.S. Thakur, DCF of HFRI, Shimla attended 3 days training programme from 20th to 23rd September, 2005 on “Overview for Decision Makers” organized by Indian Institute of Remote Sensing, Dehradun.

All scientists, research officers of CFRHRD, Chhindwara attended 15th RAG meeting held at TFRI, Jabalpur on 23rd August, 2005.

Dr. P.B. Meshram, Scientist-E and Shri. R.S. Sahoo, Scientist-B of CFRHRD, Chhindwara attended and participated in the workshop entitled “Regional Workshop on Management of Extension Activities in Forestry Sector” held at TFRI, Jabalpur on 14th and 15th September, 2005.

Trainings organized

A Low Cost Training Course on Nursery and Plantation Technology was organized by Silviculture

Division, Forest Research Institute, Dehradun from 4th to 8th July 2005. The course content included Seed Technology, Nursery and Plantation Technology, Cultivation of Medicinal Plants, Plantation on difficult sites, Vegetative propagation techniques, Agroforestry models, Use of fertilizers in different types of soils, Role of tree plantation in greening India in different sites and Protection of Nursery and Plantations from diseases and pests. Field visits to Nursery, Seed Lab, Medicinal Plant Nursery at Muni-Ki-Reti were also arranged.

A Short Term Training Course on Plywood Manufacture was organized by Composite Wood Discipline, Forest Research Institute, Dehradun from 8th to 12th August, 2005.

One Week IFS Compulsory Training Course on Management of NWFP for Sustainable Development sponsored by the Ministry of Environment and Forests, New Delhi was organized by the Non-Wood Forest Products Division, FRI, Dehradun from 8th to 12th August, 2005.



Trainees at IFS Compulsory Training at FRI, Dehradun

A Short Term Training Course on Hi-Tech Nursery and Plantation Management was organized by Silviculture Division, Forest Research Institute, Dehradun from 29th August to 07th September, 2005. Inputs were given on various aspects of seed, nursery, soil, vegetative propagation,

tissue culture, molecular markers, tree improvement, JFM, early selection, vermiculture, legal issues in plantation forestry and many others new topics which were incorporated for the first time in nursery course. Major emphasis was given on raising of high quality plantations. Visits to nursery and field were also conducted to demonstrate the techniques to the participants. Field visits to Mussoorie plantation area and Hardwar plantation area and Herbal Garden at Rishikesh.

A Short Term Training Course on Development of Green Belts was organized by Botany Division, Forest Research Institute, Dehradun from 22nd to 26th August 2005.



Trainees with Director and staff at FRI, Dehradun

A Short Term Training Course on Urban Forestry & Landscaping was organized by Botany Division, Forest Research Institute, Dehradun from 26th to 30th September, 2005.

Two Training Programmes under Project on Eco-sensitization programme were organised by FRI, Dehradun on 9th and 20th September at village Bishanpur, Kandoli and Tibetan Colony, Manduwala, Dehradun, respectively.

HFRI, Shimla organized a Two Days Farmer's Training Programme on Wild Apricot on 2nd and 3rd September,

2005 at Narag falling in Rajgarh Forest Division of district Sirmour, Himachal Pradesh. The project was funded by the National Oilseeds and Vegetable Oils Development (NOVOD) Board, Government of India, New Delhi. During the training farmers were apprised of the importance of the species including their propagation and cultivation techniques for easy adoption by the farmers.

Two Days Training Programme was organized at IFGTB, Coimbatore for the farmers and forest staff of Pondicherry on 15th and 16th July, 2005 on various themes such as: Seed collection, processing, storage and pre-treatment of important agroforestry species and Commercially important medicinal plants; nursery techniques for raising quality seedlings; principles and practices of agroforestry plantation; cultivation of medicinal plants in agricultural lands and disease and pest control in agroforestry plantations.

IWST, Bangalore organized a Training Course on Computer Application and Statistical Analysis from 25th to 30th July, 2005 and from 1st to 6th August, 2005, respectively for the Ph.D. (students) under FRI Deemed University Research Centre, IWST, Bangalore.

Training on Preservation of Rubber Wood and Silver Wood for Industrial Packaging Application was organized from 31st August to 2nd September, 2005 for 7 trainees from M/s Wheels India Limited, Chennai by IWST, Bangalore.

CFRHRD, Chhindwara organized One Day Training on "Cultivation of Jatropha and Karanj" on 29th July, 2005. Twenty five SFD, officials,

farmers and NGO's representatives participated.



Trainees at CFRHRD, Chhindwara

CFRHRD, Chhindwara organized One Day Training on Agroforestry with Medicinal and Aromatic Plants on 26th August, 2005. Twenty eight SFD, officials, farmers and NGO's participated.

CFRHRD, Chhindwara organized One Day Training on Forest Pests and Diseases Management on 20th September, 2005. Twenty eight SFD, officials, farmers and NGO's participants participated.

Demonstrations organized

A Demonstration Programme on Forestry and Wood Science Technologies was organized by IWST, Bangalore at Forest Technical and Administration Training Institute (FTATI) Kadugodi, Karnataka on 2nd September, 2005. A total of 6 technologies (Portable distillation unit



Demonstration at FTATI, Kadugodi

to extract essential oil from aromatic plants; Sap displacement technique to treat freshly felled bamboo's and poles; Alternative timber species for different end uses; Technique for raising good quality seedlings; Pest and disease management in nurseries; Ammonia fumigation) were demonstrated. A total of 45 participants participated in the programme. Shri B. Basappa, Shri M.S. Gouder from FORTI, and all the DCFs and RFOs from research and technical wing participated in the programme. Dr. K.S. Shashidhar gave a brief note of the Institute activities and emphasized the importance of extension.

Second Demonstration Programme on Forestry and Wood Science Technologies was organized at Hassan on 16th September, 2005. A total of 6 technologies (Portable distillation unit to extract essential oil from aromatic plants; Sap displacement technique to treat freshly felled bamboos and poles; Alternative timber species for different end uses; Technique for raising good quality seedlings; Pest and disease management in nurseries; Ammonia fumigation) were demonstrated. About 78 participants participated in the programme. Shri M.V. Krishnagowde, CF, Hassan, Shri H.P. Mohan, Wildlife Warden, Hassan, and Director, IWST were also present during the programme.



Demonstration Programme at Hassan

Other Activities

MoU has been signed between Central Coffee Research Institute (CCRI) Coffee Research Station, Chikamagalur district and IWST, Bangalore for Rs 5.35 lakhs. IWST Scientists will collaborate with scientists of CCRI in carrying out research studies on the properties of coffee wood as indicators of white stem borer for resistance. The collaborative project period is for 3 years.

IWST, Bangalore organized a Hindi Workshop on the topic of Hindi Noting and Drafting on 17th August, 2005 for ministerial staff in connection with implementation official language.

Consultancies

To guide and to provide all necessary inputs, cooperation and technical assistance to M/s Gujarat Ambuja Cements Ltd., Darlaghat, District Solan, H.P., HFRI, Shimla signed a Memorandum of Understanding with the Company initially for a period of 5 years beginning from July 2005 for carrying out eco-rehabilitation activities in its mined out areas at Kashlog. An amount of Rs. 3,97,347.00 has already been advanced to HFRI for taking up the related works during 2005-2006.

RFRI, Jorhat successfully completed the consultancy on evaluation of Afforestation and Tree Planting activities in Darang District, Assam sponsored by National Afforestation and Ecodevelopment Board (NAEB), Ministry of Environment & Forests (Govt. of India), under Integrated Afforestation and Ecodevelopment

Obituary

The ICFRE family deeply condoles the sad demise and pray for the peace of the departed souls of :

1. Shri S.K. Dangwal, R.A.II, FRI, Dehradun - 15.08.2005
2. Shri G. Narayanaswamy, Chowkidar, IWST, Bangalore - 10.08.2005
3. Shri Ramachandra, Khalasi, IWST, Bangalore - 17.09.2005

Projects (IAEP) during September, 2005.

Awards

Dr. Jamaluddin of TFRI, Jabalpur has been awarded "Vishisht Vaigyanik Puraskar" for the year 2001-2002 by the Hon'ble Minister



of State, Environment and Forests, New Delhi on the occasion of International Ozone Day on 16th September, 2005 at India Habitat Centre, Lodhi Road, New Delhi.

From the Visitors Book

Dr. Prodipto Ghosh, Secretary, MoEF, Govt. of India visited IFP, Ranchi and its research center at Mandar on 7th July, 2005. During the visit he has recorded his comments in the visitor's book which are being reproduced as under :

"I visited the IFP and the field station this afternoon. The scientists are highly motivated and competent and the institute has the potential to evolve into a research organization in the forestry sector with a world wide reputation. The MoEF will give all necessary support to the institute to build its infrastructure facilities for research and necessary amenities for the staff".



Dr. Prodipto Ghosh along with Shri G.K. Prasad, planting a sapling at IFP, Ranchi



Staff News

Promotions

Km. Seema, Private Secretary, ICFRE, Dehradun	30.08.2005
Shri S.S.L. Gupta, Office Supdt., ICFRE, Dehradun	09.09.2005
Shri V.K. Sharma, Office Supdt., ICFRE, Dehradun	09.09.2005
Shri M.K. Bisht, R.A. I, ICFRE, Dehradun	09.09.2005
Shri Rajendra Kumar, R.A.II, FRI, Dehradun	09.09.2005
Shri Promod Kumar, R.A.II, FRI, Dehradun	09.09.2005
Smt. Seema Rana, Steno Gd. II, ICFRE, Dehradun	09.09.2005
Shri Laxmi Chand, Sr. Store Keeper, FRI, Dehradun	09.09.2005
Shri Kumb Karan, Head Clerk, FRI, Dehradun	09.09.2005
Shri Narendra Kumar, Head Clerk, ICFRE, Dehradun	16.09.2005
Shri Anil Rawat, L.D.C., ICFRE, Dehradun	09.09.2005
Shri Mohan Singh, Head Chowkidar, FRI, Dehradun	09.09.2005
Shri Chander Dev, Head Chowkidar, FRI, Dehradun	12.09.2005
Dr. (Smt.) Mridula Negi, Scientist-B, FRI, Dehradun	26.09.2005
Dr. S.P. Singh, Scientist-B, IWST, Bangalore	22.08.2005

Transfers

Shri Birendra Chaudhary, DCF, CSFER, Allahabad	12.09.05
Dr. A.N. Singh, Scientist-C, F.R.I., D. Dun	12.09.05

Dr. Ombir Singh, Scientist-C, F.R.I., D. Dun	19.09.05
Shri Dhyan Singh, Scientist-B, F.R.I., D. Dun	22.08.05

Repatriation

Dr. Rajiv Kumar, DCF (AGMUT-86)	31.07.2005
Shri M.S. Negi, DCF	05.08.2005

Joining

Shri T. Johri, SFS, DCF, Arunachal Pradesh	02.09.2005
Dr. K. Paneer Selvam, Scientist-B, IWST, Coimbatore	12.09.2005
Shri Suneesh Buxy, DCF (AGMUT : 98), CFRHRD, Chhindwara	01.09.2005
Smt. Shalini Bhowate, R.A.-I, CFRHRD, Chhindwara	05.09.2005

Retirements

Shri Ajab Singh, Scientist-B	31.07.2005
Shri M.S. Bisht, R.A. I	31.07.2005
Shri M.S. Kothari, R.A.II	31.07.2005
Shri Jeeva Nand, TA (Carpenter)	31.07.2005
Smt. Uma Singh, Scientist-C	31.08.2005
Shri K.S. Chauhan, RA.I (SG)	31.08.2005
Shri Gopal Singh Mehta, Khalasi	31.08.2005
Shri V.K. Jain, Scientist-F	30.09.2005
Shri Navtej Singh, Security Officer	30.09.2005
Shri N.K. Karanwal, R.A.II	01.10.2005
Shri Rattan Singh, Khalasi	30.09.2005
Shri P. Govindaswamy, Mali, IFGTB, Coimbatore	31.07.2005
Shri C.R. Ananthasayanam, Asstt.	

Book Post

To,

Patron :

Shri G K Prasad, DG

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