



ICFRE NEWSLETTER

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Morus serrata (Hill Mulbury) a sacred tree with a girth of 18 m, growing in Sankaracharya Math Joshimath (Uttaranchal) (The bole is partly hollowed)

Photo : Dr. H.B. Naithani

INSIDE

- 2** ❖ Meeting of Stakeholders on "Proposed policy reforms to remove the barriers to CDMA/R Projects"
❖ Conservation strategy for *Betula utilis* D. Don
- 3** ❖ Fruit colour and germination behaviour in *Withania somnifera* L. Dunal
❖ Documenting Forest Fungi of Central India
❖ Internal Monitoring and Evaluation
- 4** ❖ International Symposium/ Seminar/Workshop
❖ Jatropha Network
❖ Seminars organized
❖ Workshops organized
- 5** ❖ Short Term Training Courses
- 7** ❖ Awards
❖ Consultancies
❖ Visit of dignitaries
- 8** ❖ Staff News

Meeting of stakeholders on “Proposed policy reforms to remove the barriers to CDM A/R Projects” under the EU-ICFRE Project on 14th and 15th September 2006

Biodiversity and Climate Change (BCC) Division, ICFRE, Dehradun organized a two days meeting of Stakeholders on 'Proposed Policy reforms to remove the barriers to CDM Afforestation and Reforestation (A/R) Projects' on 14th and 15th September 2006 under the European Union project titled 'Beyond Kyoto: EU-India CDM partnership: Promoting Stakeholder Dialogue and Analysis of Barriers to Forestry Mitigation Projects'.



Dr. B. S. Burfal, PCCF, Uttarakhand as a Chief Guest of the function delivering the Inaugural Address

Seventy six delegates representing various Stakeholders from different State Forest Departments, Institutes, NGOs and Farmer Associations participated. Dr. Shashi Kumar, Director (Research), ICFRE welcomed the participants; Shri Jagdish Kishwan, Director General, ICFRE delivered the keynote address; Dr. B. S. Burfal, Principal Chief Conservator of Forests, Uttarakhand as a Chief Guest of the function delivered the Inaugural Address. The vote of thanks was delivered by Shri Sandeep Tripathi, Head, BCC Division, ICFRE.

The Study carried out by BCC Division, ICFRE was discussed in the above meeting. The identified barriers

along with recommendation will be communicated to Government of India for speedy implementation of CDM A/R Projects in India.

Conservation strategy for *Betula utilis* D. Don

Betula utilis D. Don (Betulaceae) - Himalayan Silver Birch - commonly known as Bhojpatra, has its global distribution across Afghanistan, Pakistan, Nepal, China and Japan. As far as its distribution in India is concerned, it is found in temperate Himalayas covering both tree-line and sub-alpine regions.

The species is present as a pure patch and at times is also associated with *Rhododendron campanulatum* and *Abies spectabilis*. During recent field studies conducted, a pure and undisturbed patch of the *Betula* forests was recorded and detailed plant diversity studies were conducted in both the sites in Churdhar and Rakcham-Chitkul Wildlife Sanctuaries.



Betula forest of Rakcham-Chitkul Wildlife Sanctuary

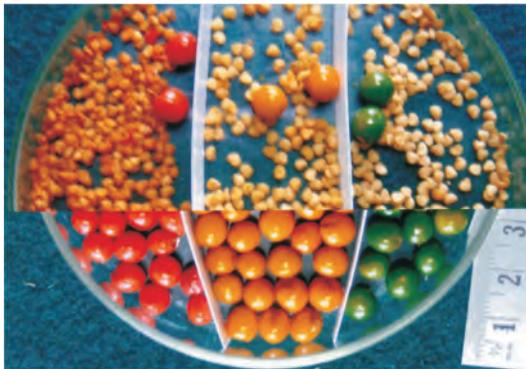
Medicinally, the bark is acrid, pungent, tonic, useful in convulsion, bronchitis, diseases of blood and of the ear. The decoction of the bark is used as a wash in otorrhoea and poisonous wounds. It is also used in jaundice and bilious fevers.

The IUCN threat status of this species is endangered in Himachal Pradesh. It is traded in the name, Bhojpatra and its trade in Amritsar market has increased from 30 qtls in 1996 to 60 qtls in 2003. Therefore, it is suggested by Himalayan Forest Research Institute (HFRI), Shimla that

these two areas needs to conserved under *in-situ* conservation and ban should be imposed on wild collection urgently.

Fruit colour and germination behaviour in Withania somnifera L. Dunal

Withania somnifera L. Dunal was introduced as an intercrop in 7 years old teak plantation and the crop was harvested after a period of five months. The collected fruits from this crop were segregated into three types on the basis of colour of the fruits viz., green, yellow and red. The segregated seeds based on the colour were sown in soil media without any pre-sowing treatment. The results revealed a greater difference in mean germination percentage. Seeds extracted from red coloured fruit registered greater mean



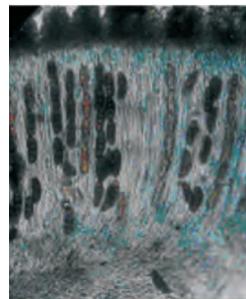
Variation in pigmentation in seeds from three categories of fruits -Red, Yellow and Green - of *Withania somnifera*

germination percentage as compared to seeds from yellow and green coloured. On the contrary, when the same sets of seeds were put on filter paper in a Petri-dish at Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore the germination behaviour was altogether different. The shift in germination behaviour with different fruit colours needs further investigation to improve germination in *Withania*, particularly under field conditions.

Documenting Forest Fungi of Central India

Tropical Forest Research Institute (TFRI), Jabalpur has documented forest

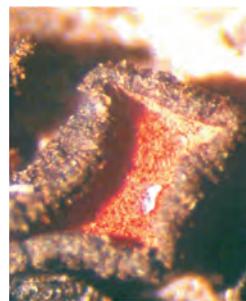
fungi occurring in forests of Madhya Pradesh and Chhattisgarh. Total 649 specimens of plant parts and 140 soil samples were collected and examined. About 181 documents of forest fungi were prepared in a format developed at this institute, which covers 113 genera of different fungi. During the study two new genera belonging to ascomycete, 17 new species belonging to genera *Corynespora* (1), *Denticularia* (1), *Hypoxylon* (2), *Hysterium* (1), *Kameshwaromyces* (1), *Mysterosporiella* (1), *Paathramaya* (1), *Phomopsis* (1), *Pseudocercospora* (2), *Sirosporium* (2), *Stenella* (4) were documented, described and illustrated. In addition 3 new records of fungi from India and 35 new host records were also recognized.



Hysterium jabalpurensis



Antrodia albida



Hysterium lantanae



New ascomycete

Internal Monitoring and Evaluation

The Council has an Internal Monitoring and Evaluation mechanism of ongoing projects for both plan and externally aided project. A total of 289 including 159 plan and 130 external aided projects were evaluated in six ICFRE Institutes for effectiveness by Shri Balbir Singh, IFS, Asst. Director General, M&E, ICFRE.



International Symposium/ Seminar/Workshop

The Forest Research Institute (FRI), Dehradun in collaboration with International Union of Forestry Research Organization, Vienna and Indian Society of Tree Scientists, UHF, Solan organized an International Symposium on 'Breeding and Improvement of Asian Conifers during 21st Century' from September from 11th to 13th September 2006.



International Symposium of IUFRO on 'Breeding and Improvement of Asian Conifers during 21st Century' at FRI, Dehradun

During the conference about 100 participants from different Asian countries participated and presented the research works carried out in their respective countries. There were as many as six technical sessions on genetics and breeding, molecular markers and reproductive biology, advances in silviculture, conservation and management and industrial utilization and economics. A field trip to the coniferous forests of Himalayas at Dhanaulti was also organized.

Jatropha Network

Progeny trial of *Jatropha* was established in Centre for Social Forestry and Eco-Rehabilitation (CSFER), Allahabad nursery under NOVOD Project. Candidate Plus Trees (CPTs) of *Jatropha* were marked in Eastern U.P. Out of twenty three plus trees of *Jatropha curcas*, CGKP 5 marked at Gorakhpur, Razi Camp performed best among other trees. The recorded germination percentage was 95%. The survival percent of plants even after ninety days was 100%. This CPT was 5 years old with

height of 3.33 m. At nursery stage, this tree of Gorakhpur is most suitable in agro-climatic conditions of Allahabad.

Seminars organized

Rain Forest Research Institute (RFRI), Jorhat organized a regional seminar on 'Recent Trends in Biological Control of Insect Pests and Diseases of Forestry Importance' on 18th September 2006, which was sponsored by Department of Science and Technology (DST), Government of India. Sixty participants from North-eastern Agricultural University, Dibrugarh University, Regional Research Laboratory, Research and Training Institute, Colleges and other Academic Institutes participated.



Seminar on 'Recent Trends in Biological Control of Insect Pests and Diseases of Forestry Importance' at RFRI, Jorhat

Workshops organized

RFRI, Jorhat organized a Regional Workshop on 'Forestry Extension' on 18th July 2006. A total of fifty delegates including representatives from Forest Departments, Research Organizations, Agriculture University, Tea Research Association, Central Silk Board, National Bureau of Soil Survey and Land Use Planning, Public Sector Units, Oil and



Technical Session in progress during Workshop

Natural Gas Commission, Hindustan Paper Corporation, Non-Government Organizations. The Energy and Research Institute and Academic Institutes participated in the deliberation.

Short Term Training Courses

FRI, Dehradun conducted a short term training on 'Wood Seasoning' from 3rd to 7th July 2006. Twelve trainees from Naval Dockyard, Mumbai, Vanil Udyog, Gujarat State Forest Development Corporation and furniture designer, Delhi attended the training course. Practical difficulties faced by the participants at their work places on Wood Seasoning were addressed during the training course.



Short term training course on 'Wood Seasoning' at FRI, Dehradun

FRI, Dehradun conducted a short term training course on 'Development of Green Belts' from 21st to 25th August 2006. Thirty one participants from IPCL-MGCC, NTPC, Maharashtra Institute of Technology Transfer for Rural Areas, West Coast Paper Mill Ltd., Chhattisgarh Mineral Development Cooperation Ltd., NABARD, Tata Steel, Haryana State Pollution Control Board, HINDALCO India Ltd., DVC, Gujarat and Uttaranchal Forest Department attended the training programme.

IFGTB, Coimbatore organized training to the Farmers of Puducherry and the staff of Puducherry Forest Department on 1st and 2nd August 2006. Twenty nine persons have participated in the training programme.

Institute of Wood Science and Technology (IWST), Bangalore conducted short term training course on 'Wood Biodegradation and Preservation' from 17th to 21st July 2006. Sixteen participants representing from organizations like Asian Paints, Johnson fumigation, Rubber board and individuals participated in the training.

IWST, Bangalore conducted a short term training on 'Modern Nursery Practices of Sandalwood' from 21st to 25th August 2006 for farmers of Gujarat.

RFRI, Jorhat conducted a trainers training on 'Bamboo Propagation and Cultivation' from 21st to 24th August 2006, sponsored by Department of Agriculture, Jorhat Government of Assam. Trainees from various Government organizations such as Department of Agriculture, Assam Agricultural University, Soil Conservation and District Rural Development Agency, Self Help Groups and others stakeholders participated in the training programme and were given practical training on various aspects of bamboo propagation techniques, nursery techniques cultivation and silvicultural operations etc. so that they in turn can train the farmers. Trainees were also provided with a training manual covering all the aspects of the training programme. Dr. Tapan Chandra Dutta, Adviser (Agriculture) to the Hon'ble Minister, Assam attended the training programme as Chief Guest.



Dr. Tapan Chandra Dutta, Adviser (Agriculture) to the Hon'ble Chief Minister, Assam as a Chief Guest

RFRI, Jorhat organized a training on 'Bamboo Propagation and Cultivation' for

Self Help Groups and NGOs from 19th to 21st September 2006 to promote large scale bamboo cultivation. Thirty three trainees of three Self Help Groups from Jorhat District and NGOs from Rangia and Kamrup District were trained on bamboo propagation techniques, nursery techniques, silvicultural operations etc. The trainees were also provided with useful handouts.



Training in Field for bamboo propagation

TFRI, Jabalpur organized training on 'Nursery and Plantation Technology' from 17th to 19th July 2006 for Chhattisgarh State Forest Development Corporation Ltd.

TFRI, Jabalpur organized training on 'Strategy for Production, Processing and Development of Biofields' from 16th to 18th August 2006 for NGOs.

TFRI, Jabalpur organized training on 'Collection, Processing and Storage of NWFPs and Medicinal Plant' from 11th to 15th July 2006 for VFC Members and forest officials of Sarguja circle CG.

TFRI, Jabalpur organized interaction meeting on 'Lac Culture' held on 18th August 2006 with the Gond Women dominated Self Help Groups (SHGs) of Kundam block, Jabalpur.



Gond woman dominated Self Help Groups (SHGs) of Kundam Block, Jabalpur (M.P.)

HFRI, Shimla organized one day training programme on 'Awareness and Cultivation of Medicinal Plants' at Forest Rest House Nogli on 13th September, 2006 for Mahila Mandals alongwith representatives from PFM Committees and farmers.

Arid Forest Research Institute (AFRI), Jodhpur conducted one week Indian Forest Service (IFS) refresher training course from 21st to 25th August 2006 sponsored by Ministry of Environment and Forests, Government of India. Besides the regular interaction on various recent development in forestry, the eighteen IFS were taken to cross-site visits to Zizyphus horticulture agroforestry to have better interaction with various stakeholders such as farmers, researchers to improve the productivity and income generation in arid region.

AFRI, Jodhpur in collaboration with the School of Desert Sciences (SDS), Jodhpur jointly organized Brain storming session on 'Floods in Thar and Challenges of Natural Disaster : Prevention, Relief and Rehabilitation'. Issues such as Response to Flood; Satellite Support in Disaster Management; Climatic and Geological Oscillations and Human Health, Biological and Ecological Challenges were discussed. Including the experts and Director from various organizations Principal Secretary Dr. Lalit K. Panwar, IAS, Divisional Commissioner Shri B.L. Arya, IAS, Chief Engineer, Shri V.N. Mathur, Ground Water Department, Director, Dr. Pratap Narian, CAZRI actively participated in the session.

AFRI, Jodhpur conducted a training programme on 'Watershed Development' sponsored by Zilla Parishad Jodhpur under Hariyali-2003 programme of Ministry of Rural Development, Government of India attended the programme during 12th to 16th September 2006. Forty two participants, including Technical members, Agricultural Experts, Animal Husbandry experts and Social Workers.

Institute of Forest Productivity (IFP), Ranchi imparted five days training cum demonstrations on 'Improve technique of Lac Cultivation' to Staff of State Forest Department / members of State Forest Protection Committee of Chhattisgarh State. In total 102 participants participated on the above training organized on different dates between 3rd to 28th July 2006.

IFP, Ranchi organized field training from 1st to 3rd September 2006 on 'Lac Cultivation to the Master Trainers and Asst. Master Trainers of Pathergaon, Tapkara and Arayanpur Range under Jashpur Forest Department of Chhattisgarh State.

Centre for Forestry Research and Human Resource Development (CFRHRD), Chhindwara conducted one day training course on 'NWFP value addition with special reference to Medicinal and Aromatic Plants' on 25th July 2006 for farmers of the district.

CFRHRD, Chhindwara conducted one day training course on 'Forest pests and their management and cultivation of Jatropha/Karanj' on 5th September 2006 for Range Forest Officers, Foresters and NGOs.



Training course on 'Forest pest and their management and cultivation of Jatropha/ Karanj' at CFRHRD, Chhindwara

Awards

Dr. Ajay Thakur, Scientist-C and Head, TIP Division, RFRI awarded Ph.D. from University of Wales, Bangor, UK in August 2006.

Consultancies

Forest Research Centre (FRC), Hyderabad successfully completed the consultancy undertaken for Mahatma Gandhi (Kalwakurthy) lift irrigation project in Achampet Wildlife Division, Mahaboobnagar District of Andhra Pradesh to assess the Impact on Wildlife in Nagarjunasagar, Srisailem Tiger Reserve (NSTR) due to diversion of forest area.

Visit of dignitaries

Shri Krishnamurthy, MD, Huber Chemical (India) visited IWST, Bangalore regarding finding possibilities of sponsored or collaborative project in the field of wood science on 12th July 2006.

Shri Steen Moldrup, MD, Moldrup System, Singapore visited IWST, Bangalore regarding consultancy on testing wood preservative and collaboration work on 13th July 2006.

Hon'ble Minister, Department of Forest, Environment, Ecology and Wild life, Government of Nagaland visited IWST, Bangalore on 13th July 2006.

Shri J.C. Kala, DG (Forests) and Special Secretary, MoEF, Government of India visited the IWST, Bangalore and addressed the scientists on 4th September 2006.



Shri J.C. Kala, DG (Forests) and Special Secretary, MoEF, Government of India addressing the scientists of IWST, Bangalore

- Ms. Minni Mathew, IAS, Chairman, Coconut Development Board visited IWST, Bangalore regarding work on coconut wood and other related aspects on 5th September 2006.

Staff News

Promotions:

ICFRE, Dehradun

Smt. Nagma Khan, UDC	18.08.2006
Shri Satya Prakash Sharma, UDC	18.08.2006
Shri Raj Kumar, Driver (Gr.-I)	12.09.2006

FRI, Dehradun

Shri K.K. Rajvanshi, Head Clerk	17.08.2006
Shri P.K. Kapoor, Head Clerk	17.08.2006
Shri Sultan Singh Rawat, RA-I (Gen.)	18.08.2006
Shri M.K. Sharma, Head Clerk	22.08.2006
Shri Hari Chand, UDC	22.08.2006
Shri Vijay Mal, UDC	22.08.2006
Shri Narayan Chand, RA-II (Electrical)	13.09.2006
Shri Raghubir Singh Negi, TA Gr. D (F/Man)	22.08.2006
Shri Ashok Kumar, Ward Boy	23.08.2006

Repatriation

Dr. Mehar Singh, IFS (KL : 82)	31.07.2006
Shri Naresh Pal Dhaulta, Forest Range Officer, SFD, Himachal Pradesh	14.09.2006
Dr. M. George, Scientist-F, IFGTB, Coimbatore	26.09.2006

Joining

ICFRE, Dehradun

Shri Jagdish Kishwan, IFS (J&K : 75), DG	25.07.2006
Shri Sandeep Sundriyal, IFS, (WB : 91), DCF (Admin.)	24.07.2006
Dr. G.S. Rawat, IFS (TN : 78), DDG (Research)	04.09.2006

Shri K. Kar, SFS, DCF, RFRI, Jorhat	31.07.2006
Dr. Vishav Jit Kumar, Scientist-B, RFRI, Jorhat	31.07.2006
Shri R.S. Pal, IFS (NL : 86), CF, TFRI, Jabalpur	07.09.2006
Shri Shashi Malik, IFS (MP : 93), DCF, FRI, Dehradun	25.09.2006
Dr. S. Kumar, R.A.-I (SG), HFRI, Shimla	09.10.2006

Recruitments:

Shri Vishav Nath, TA (M.O.), FRI, Dehradun	11.09.2006
Km. Reena, Staff Nurse, FRI, Dehradun	16.10.2006

Retirements:

Shri Hori Lal, Scientist-E, TFRI, Jabalpur	31.07.2006
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FRI, Dehradun

Shri R.K. Arora, E&AO	31.07.2006
Shri S.S. Chauhan, E&AO	31.07.2006
Shri B.P. Singh, Chief Pharmacist	31.07.2006
Shri J.K. Bagga, RA-I	31.07.2006
Shri Fakir Chand, RA-I	31.07.2006
Shri S.S. Rawat, TA (Turner)	31.07.2006
Shri Kirat Singh, Head Clerk	31.07.2006
Shri M.R. Badoni, RA-II	31.07.2006
Shri Mahboob Ali, Mali	31.07.2006
Shri Amar Nath, R.A.-II (Ast. FM)	31.08.2006
Shri Madan Mohan Lal, TA (Mason)	31.08.2006
Shri T.C. Pharasi, Head Store Keeper	30.09.2006
Smt. Sumaarti Devi, Safaiwali	30.09.2006

OBITUARY

ICFRE family deeply condoles the sudden and sad demise and prays for the peace of the departed soul of:

Shri Ashok Sharma, Head Clerk, FRI, Dehradun	-	27.08.2006
Shri Rattan Swaroop, Safaiwala, FRI, Dehradun	-	01.08.2006
Shri Devi Das, Khalasi, FRI, Dehradun	-	14.09.2006

Patron :

Shri Jagdish Kishwan, DG, ICFRE

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