

ICFRE

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INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION
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Patron:

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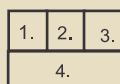
Front Cover:

- Honorable Minister MoEF & CC releasing the book "Pictorial Guide on Shola Trees" at IFGTB, Coimbatore
- RFRI exhibition stall at "Destination North East, 2016"
- Leaf pit galls on *Terminalia arjuna*
- Parasitized pupae of *Trioza fletcheri minor* Crawford with emergence holes, recovered from the gall
- Female of *Psyllaephagus arjuna* Singh, 2016



Back Cover:

- Training programme on "Climate Change and Carbon Mitigation"
- Inception workshop at Aizawl under the project REDD
- TFRI, Jabalpur celebrated International Yoga Day 2016
- National Workshop on "DPR on Forestry Interventions for Ganga"



Patron's Column

With the mandates of conducting research, promoting education and disseminating research outputs through various extension schemes, the Indian Council of Forestry Research and Education (ICFRE), Dehradun has contributed significantly by taking up several activities. One of its recent outstanding contributions was the release of "DPR on Forestry Interventions for Ganga" in New Delhi on 22 March 2016 under National Mission for Clean Ganga which was prepared through a series of consultation meetings held with the states i.e. Uttarakhand, U.P., Bihar, Jharkhand and W.B.



Official of ICFRE participated in 44th session of the Subsidiary Bodies (SBSTA/SBI) of UNFCCC from 16 to 26 May 2016 as a member of Government of India delegation at Bonn, Germany. A workshop on "REDD+ Monitoring, measurement, reporting and verification" was also attended from 25 to 27 May 2016 at Bangkok, Thailand.

FRI, Dehradun has discovered two new species of parasitoids of biological control importance i.e. *Psyllaephagus arjuna* Singh and *Paraphaenodiscus udayveeri* Singh. IFGTB, Coimbatore investigated a new insect pest problem on *Swietenia macrophylla* (Mahogany) in a farmer plantation in Tamil Nadu. Also, a new process of chemical modification of wood using isopropenyl acetate (IPA) has been developed by IWST, Bengaluru.

Under its endeavour to disseminate developed technologies, Council has granted license to a progressive farmer for commercial propagation of three clones of *Casuarina* (CJ9, CH 1 and CH 2) developed by IFGTB with payment of one-time license fee on non-exclusive basis to propagate these clones for a period of ten years.

ICFRE is providing consultancies in the field of hydro-power, reclamation of mines and other environmental aspects. It has entered into MoUs with Bihar State Forest Department and Himachal Pradesh State Forest Department for evaluation of plantation schemes under respective state CAMPA fund. It has also been entrusted with a project on ecological restoration at Tetulmari Sijua area by BCCL, Dhanbad.

The Council also participated in and organized a number of craft melas, exhibitions and conducted various extension programmes including Bamboo Craft Mela at ICFRE, participation in Indian Science Congress at Mysuru etc. RFRI, Jorhat represented ICFRE under MoEF&CC, in the Exhibition at "Destination North East, 2016" organized by Ministry of DoNER in collaboration with Ministry of Culture, Government of India from 12 to 14 February 2016 at Pragati Maidan, New Delhi.

I hope that this issue of ICFRE Newsletter will be helpful to the readers in providing a glimpse of the activities being performed in the Council.

Dr. Shashi Kumar
Director General

Workshops/ Seminars/ Meetings etc.

• ICFRE, Dehradun

- ❖ An inception workshop was organized on 28 and 29 January 2016 at Advance Research Centre for Bamboos and Rattan (ARCBR), Aizawl in collaboration with Mizoram Forest Department under the project "REDD⁺ in North-Eastern Himalaya" initiated by ICFRE in collaboration with International Centre for Integrated Mountain Development, Nepal.



Inception workshop by ICFRE at Aizawl under the project REDD⁺ on 28 and 29 January 2016

- ❖ National Medicinal Plant Board (NMPB) sponsored workshop on "High Altitude Medicinal Plants" was organized from 21 and 22 March 2016 at ICFRE, Dehradun.



Workshop on "High Altitude Medicinal Plants" at ICFRE, Dehradun

- ❖ A National Consultation for NMPB sponsored project "Study-cum-survey to assess the demand and supply of medicinal plants in India" was organized on 23 March 2016 at ICFRE, Dehradun.
- ❖ Stakeholders Consultation on "REDD⁺ Scoping Study in Kailash Sacred Landscape Region, India" with the village community and Van Panchayat members of village Naukina in Chandak-Aunla Watershed was organized on 05 May 2016 at Pithoragarh.

• Forest Research Institute (FRI), Dehradun

- ❖ A National Workshop on "DPR on Forestry Interventions for Ganga" was organized on 22 March 2016 to release the DPR on the National Mission for Clean Ganga (NMCG) at India Habitat Centre, Lodhi Road, New Delhi. The DPR was released by Sushree Uma Bharti, Hon'ble Union Minister of Water Resource, River Development & Ganga Rejuvenation in the presence of Shri Prakash Javadekar, Hon'ble Union Minister of State (Independent charge) Environment, Forest & Climate Change, Prof. Sanwar Lal Jat, Hon'ble Union Minister of State, Ministry of Water Resources, River Development and Ganga Rejuvenation.



National Workshop on "DPR on Forestry Interventions for Ganga" at New Delhi on 22 March 2016

- ❖ A five days Training-cum-workshop on "Essential Oils, Perfumery & Aromatherapy" was organized in collaboration with Fragrance and Flavour Development Centre (FFDC), Kannauj at FRI, Dehradun from 13 to 17 June 2016. Altogether 30 participants from various corners of India attended the programme.



Training-cum-workshop on "Essential Oils, Perfumery & Aromatherapy" at Dehradun organized by FRI-FFDC

- **Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore** organized a one day workshop on "Extraction of Genomic DNA from challenging dicot plants" on 19 February 2016. The workshop was co-hosted by Sai Genomics Solutions, Coimbatore.
- **Institute of Wood Science and Technology (IWST), Bengaluru** organized one day 'Wood Industry Meet' on 28 June 2016. A total of 85 participants including major wood plastic industries from all over the country, industries including start up industries, scientists and academicians participated in the meet.



Wood Industry Meet at IWST, Bengaluru on 28 June 2016

- **IFB, Hyderabad** conducted a national seminar on "Conservation, Restoration and Sustainable Management of Mangrove's Forest in India" from 15 to 17 June 2016 at Visakhapatnam.
- **Himalayan Forest Research Institute (HFRI), Shimla**
 - ❖ "Interactive meeting on protection technology for control of insect pest and diseases in medicinal plants" was organized at Kishtwar, Jammu on 4 February 2016 under NMPB funded project.
 - ❖ Three Consultative Meetings and Focused Group Discussion (FGD) was organized with the villagers falling in different agro-climatic zones of Himachal Pradesh for review and revision of National Forest Policy, 1988 by Indian Institute of Forest Management (IIFM) Bhopal:- 02 meetings simultaneously on 18 February 2016 at Kunihar, district Solan and at village, Nichar, district Kinnaur and the 3rd one on 19 February 2016 at village, Khatnol of Shimla district.
 - ❖ A camp workshop was organized on 'Cultivation of Himalayan Medicinal Plants' at Nichar, Kinnaur (H.P.) on 11 March 2016 under National Medicinal Plants Board, New Delhi funded project. It was attended by 40 participants.
- **Centre for Forest-based Livelihood and Extension (CFLE), Agartala**
 - ❖ A Liaison meet and participatory planning on

'On farm Innovation for Livelihood Development' was organized on 10 January 2016. 34 Beneficiaries of the Village Kanchanpur, Noagaon, Bazalghat etc. participated in the meet.

- ❖ An interactive meet was held with the Vaidyaraj Herbal Grower Society in Kanchanpur and Mars Socio Welfare society on 12 January 2016.
- ❖ Workshop on "Seed Grading and On-farm Trials for Productivity Enhancement in Jhum Crops" was organized on 3 March 2016. Beneficiaries of Noagaon, Bajalghat, Kanchanpur, Monu, Ambassa and Panchai Farmers club had participated in the training workshop.
- ❖ Workshop on "Management of Herbal Gardens and Documentation of Traditional Healing practices" in collaboration with Vaidyaraj Herbal Grower Society (VHGS), Kanchanpur was organised on 9 and 10 March 2016. A total of 55 traditional healers participated in the training workshop.
- ❖ Training- cum- workshops on "Technology extension through Field demonstration of Forest-based livelihood options (Bamboo Treatment, Community Livelihood Nursery management and Low-cost Vermicomposting)" was organised in collaboration with Panchai Farmers Club at West Tripura District on 12 March 2016, at Khowai District on 13 March 2016 and at Shipahijala district, Tripura on 14 March 2016. A total of 137 people participated in the workshops.



Training-cum-workshop on Technology extension through Field demonstration by CFLE, Agartala

- ❖ Training -cum- workshop on Technology Extension through Field Demonstration of Forest-based Livelihood Options in West Tripura District was organized on 12 and 13 March 2016 in collaboration with PFC (Panchai Farmers' Club) at Bamutia, Tripura West District. There were 56 participants in the workshop.

Training Programmes

- **ICFRE, Dehradun** organized following training programmes:

- ❖ "Role of Forests in Disaster Management" from 1 to 3 February 2016.
- ❖ "Climate Change: Vulnerabilities and Adaptation Strategies" for scientists and technologists working in Government sector from 8 to 12 February 2016 at ICFRE, Dehradun.
- ❖ "Climate Change and Carbon Mitigation" for scientists and technologists working in Government sector from 22 to 26 February 2016 at ICFRE, Dehradun.



Training programme on "Climate Change and Carbon Mitigation" organized by ICFRE, Dehradun

- **FRI, Dehradun** organized following training programmes:

- ❖ A five days training programme on "Conservation & Management of Coastal Ecosystem" from 11 to 15 January 2016 for the Indian Coast Guard. 13 Commandants participated in the programme.
- ❖ A short-term training course on Silviculture / Forestry from 25 to 30 January 2016. A total of 52 participants from Eco-Task Force of Territorial Army participated in the programme.



Short-term training course on Silviculture/Forestry at FRI, Dehradun

- ❖ A training programme for Self Help Group, Ramgarh Sikri from Talwara Block of Kandi region, Distt, Hoshiyarpur on "Handmade Paper from *Lantana camara*" from 8 to 12 February 2016. The programme was sponsored by DST under the project "Management of *Lantana camara* to improve livelihood in Kandi region of Punjab" in collaboration with PAU, Ludhiana under SEED/SARTHII programme of DST.
- ❖ A Certificate Training Programme on "Termite Management and Wood Preservation" in collaboration with the Pest Management Association (PMA), Pune on 26 and 27 February 2016. 135 delegates representing pest management industry and 50 delegates from FRI participated in the workshop.
- ❖ A training on "Preparation of Bamboo Handicrafts" for artisans and small scale manufacturers of Himachal Pradesh at Common Facility Centre, FRI from 29 February to 4 March 2016. The training was sponsored by Forest Department, Govt. of Himachal Pradesh. 25 participants from different regions of Himachal Pradesh participated in the training programme.
- ❖ A short-term training programme on 'Nursery Raising Techniques and Management' for the field staffs of Indian Farm Forestry Development Co-operative Ltd., Gurugram, Haryana from 27 to 30 June 2016.
- ❖ A training for 30 officials of BCCL, Dhanbad from 14 to 18 March 2016 at FRI, Dehradun on "Ecological Restoration of Mined Lands".



Training on "Ecological Restoration of Mined Lands" at FRI, Dehradun

- **IFGTB, Coimbatore** organized a training programme from 17 to 19 February 2016 in order to sensitize the faculty, scientists, research scholars working in universities/ colleges/ research institutions, officials of various plant



Training on Biological Diversity Act, 2002
organized by IFGTB, Coimbatore

based industries, Ayurvedic physicians on various implications of Biological Diversity Act, 2002. It was sponsored by the National Biodiversity Authority (NBA), Chennai.

- **IWST, Bengaluru** organized training programmes on "Wood Science and Technology" for State Forest Service Officers from Central Academy for State Forest Service, Coimbatore from 11 to 15 January 2016 and for forest staffs, CRFO, forest guard, JRF of SFRI, Chennai on 23 March 2016 and for Foresters, Rangers and Assistant Conservator of Forests on 28 and 29 March 2016.
- **Arid Forest Research Institute (AFRI), Jodhpur** in association with the State Forest Department, Rajasthan, organized training on "मरु प्रसार रोक हेतु पौधारोपण एवं जनभागीदारी" on the occasion of Combating Desertification Day on 17 June 2016. Total 184 members of different VFPMCs and 75 Foresters attended the training programme.
- **CFRHRD, Chhindwara** organized following training programmes:
 - ❖ A training programme on "NTFPs sustainable harvesting, processing and value addition" at Range office, Chhindi, East Forest Division, Chhindwara District on 20 January 2016 for SFDs, villagers and JFMC members.
 - ❖ One day training programme on "Pollinators/Farmer friendly insects and Bio-pesticides (IPM)" at Patpada village, Chhindwara on 17 February 2016 for farmers and villagers. 42 participants attended the training.
 - ❖ One day training programme on "Nursery techniques of Chironji" at Mordongri Khurd village, Chhindwara on 18 March 2016 for farmers and villagers. 33 participants attended the training.
 - ❖ One day training programme on "Collection, processing and value addition of Mahua/Bio-fertilizers and Bio-pesticides" at Amla village, Chhindwara on 29 March 2016 for farmers, villagers. 28 participants attended the training.
 - ❖ One day training programme on "Environmental Awareness" at Govt. Higher

Secondary School, Guraiya, Chhindwara on 29 June 2016 for teachers and students of the school.

- **Tropical Forest Research Institute (TFRI), Jabalpur** organized one day training programme on "Application of Bio-fertilizers in Forest Nurseries" under the project "Formulation of Bio-fertilizers consortium and their distribution to Forest Department" funded by MP State forest department in Malwa Demo Nursery of Research and Extension Circle at Indore on 24 June 2016.
- **HFRI, Shimla** organized following training programmes:
 - ❖ A training programme for the farmers of the Demo Village Lanabanka, district Sirmaur, Himachal Pradesh on 16 February 2016. The training revolved around Water Conservation, Sanitation, Hygiene and Organics and it was attended by 25 farmers.
 - ❖ A training programme on "Cultivation of Atish, Ban Kakri, Chora and other important temperate high valued Medicinal Plants" at Bhutti, Shimla, Himachal Pradesh on 17 February 2016, under NMPB, New Delhi funded project. About 40 participants attended the training.
 - ❖ A "Capacity Building Programme" from 24 to 26 February 2016 on plant identification and it was conducted in collaboration with Himachal Pradesh Forest Department (HPFSD). About 35 field functionaries participated in the training programme.
 - ❖ A training programme on "Eco-restoration of Wastelands" under the Scheme "Training of personnel of other services" of the MoEF&CC, Govt. of India, New Delhi at the institute from 2 to 3 March 2016. 31 participants took active part in the training.



Training programme on
"Eco-restoration of Wastelands" by HFRI, Shimla

- ❖ A training programme on the "Management of Insect Pest and diseases of Juniper" at Reckongpeo, District Kinnaur on 10 March 2016, which was attended by about 40 farmers & frontline staffs of HPFSD.

- ❖ A training programme on "Cultivation of Atish, Ban Kakri, Chora and other important high valued Temperate Medicinal Plants" at Krishi Vigyan Kendra (SKUAST, Jammu), Bhadarwah, Jammu on 4 February 2016 under the project funded by NMPB, New Delhi. About 40 participants attended the training programme.
- **RFRI, Jorhat** organized following training programmes:
 - ❖ A Training-cum-Workshop on "Bamboos Handicraft" from 1 to 13 February 2016 for trainees from Meghalaya and Assam.
 - ❖ A sponsored training from 4 to 6 February 2016 on "Nursery, Plantation management technique and artificial induction of Agar wood *Aquilaria malaccensis*" for 2 trainees from Maharashtra and Jorhat (Assam).
 - ❖ A Refresher training programme on Self Help Group-cum-Exposure visit for NGOs on 18 February 2016, sponsored by NABARD, Jorhat. Total participants were 25.
 - ❖ A training on "Propagation, Nursery Management, Commercial Cultivation and Value Addition of Bamboo" for five trainees of Gujarat and Maharashtra from 29 February to 4 March 2016 sponsored by "DHRUVA-BAIF, Navsari, Gujarat.
 - ❖ A training on "Bamboo- based Livelihood generation and other tree species" for 15 number of farmers, artisans from Tinsukia District of Assam from 14 to 15 March, 2016 at RFRI, Jorhat.
 - ❖ Two days farmers training on "Bamboo and Rattan Cultivation and preparation of Bamboo Charcoal" at ARCBR, Aizawl on 29 and 30 March 2016. A group of 30 farmers participated in this event.



Training on "Bamboo and Rattan Cultivation and Preparation of Bamboo Charcoal" by ARCBR, Aizawl

- ❖ A training programme on Silviculture from 25 April to 7 May 2016 for 29 trainee Forest Range Officers of 2016-17 batch, CASFOS, Byrnihat, Meghalaya. The participants were from the states of Gujarat, Arunachal Pradesh and Mizoram.

- **CFLE, Agartala** organized following training programmes:

- ❖ A training programme on Low-Cost Vermi-composting Techniques in collaboration with Noagaon Bamboo Growers' Society (NBGS) at Bazalghat on 11 January 2016. About 40 beneficiaries from the village participated in the training programme.
- ❖ A training programme on Low-Cost Vermi-composting Techniques in collaboration with "Society for People's Action in Rural Innovation and Research" on 18 January 2016. About 40 beneficiaries of the village Narayan Bari, Teliamura, participated in the training programme.



Training programme on Low-Cost Vermi-composting Techniques by CFLE, Agartala

- ❖ Two one-day training programmes on Bamboo Propagation, Preservation and Value addition for Skill Up-gradation & Entrepreneurship Development on 20 January 2016 and 23 January 2016 at CFLE, Agartala.
- ❖ A one day training programme on Bamboo handicrafts by "Society for People's Action in Rural Innovation and Research" on 26 January 2016 at CFLE, in collaboration with the Centre.
- ❖ A training programme on Bamboo Nursery Management and Bamboo Treatment on 16 February 2016. Beneficiaries from Noagaon, Bazalghat and Panchai Farmers club were present in the training programme.
- ❖ A training programme on Vermi-composting at CFLE and Bamboo and Cane Development Institute (BCDI) for the beneficiaries of Panchai Farmers Club on 18 February 2016. 11 participants attended the training programme.
- ❖ Training on Bamboo Propagation and Nursery Management for beneficiaries of Tripura Bamboo Mission at Khas Chowmuhani on 20 June 2016.

- ❖ Training programme on Bamboo propagation at Noni, Tamenglong district of Manipur from 21 to 23 June 2016.
- **IFB, Hyderabad** organized following training programmes:
 - ❖ Two trainings (NMPB funded) on "Successful Agro-forestry Models" on 2 and 3 February

2016 and on 24 and 25 February 2016.

- ❖ Two trainings for farmers on 14 and 15 March 2016 on Cultivation of Medicinal Plants in Agro-forestry model at IFB, Hyderabad.
- **Institute of Forest Productivity (IFP), Ranchi** organized a training-cum-exposure visit of a team of Agakhan Rural Society Programme, Pusa, Bihar from 1 to 3 March 2016.

Research Findings

● FRI, Dehradun

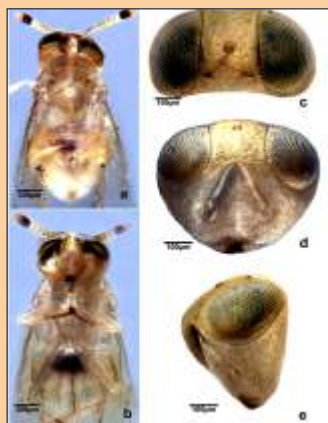
- ❖ Two new species of parasitoids of biological control importance such as *Psyllaephagus arjuna* Singh, 2016 and *Paraphaenodiscus udayveeri* Singh, 2016 were described as new species to the science.

Psyllaephagus arjuna Singh, 2016 is an important primary parasitoid of *Trioza fletcheri* minor Crawford, which causes leaf pit galls on *Terminalia arjuna*.



(a) Female of *Psyllaephagus arjuna* Singh, 2016;
 (b) Parasitized pupae of *Trioza fletcheri* minor Crawford with emergence holes, recovered from the gall;
 (c) Leaf pit galls on *Terminalia arjuna*

Paraphaenodiscus udayveeri Singh, 2016 is a primary parasitoid of scale insect (*Coccus* sp.) on leaves of *Pterygota alata* commonly called Buddha Coconut. Red weaver ant, *Oecophylla smaragdina* usually make their nest around infested leaf.



Female of *Paraphaenodiscus udayveeri* Singh

● TFRI, Jabalpur

- ❖ A new spider identified upto genus level: *Bomis* sp. under Family : Thomisidae.

● IWST, Bengaluru

- ❖ A new process of chemical modification of wood using isopropenyl acetate (IPA) has been developed. Modification with IPA resulted in increased hydrophobicity and improved dimensional stability of wood. Modified wood also exhibited fungal resistance and UV stability. The process is expected to have advantages over already commercialized process of acetylation of wood since there is no acid byproduct. Use of acetates for modification will also take care of handling issues encountered during acetylation by acetic anhydride.
- ❖ Twelve different blends using *Eucalyptus* hybrid oil 10%, 20% and 90 % with Germ clean, Sunflower and lavender oil have been developed in collaboration with FFDC, Kannauj.
- ❖ A total of 25 species of coccinellids were found very active in the sandalwood growing areas. Mixed cropping with diversified flora has been found to support more diversity of Coccinellids. Out of the 25 species of coccinellids identified, *Cryptolaemus montrouzieri* and *Chilocorus nigrita* have been identified as potential predatory coccinellids on sandalwood scales and mealybugs.
- ❖ Studies on marine fouling and wood boring organisms in five major ports on the east coast of India, viz., Tuticorin, Chennai, Paradeep, Haldia and Kolkata revealed that at Tuticorin port; sponges, sea anemones, ectoprocts, sabellids, serpulids, balanids, bivalves and ascidians were present in fouling complexes. Biofoulers encountered at Chennai port were also same except ascidians. Only ectoproct fouling groups together with green algae were observed at Kolkata. The fouling groups, ectoprocts, sabellids, serpulids and balanids were identified at Haldia. Two fouling groups, viz., ectoprocts and spirorbids along with green algae were noticed at Paradeep.

● IFGTB, Coimbatore

- ❖ A new insect pest problem on *Swietenia macrophylla* (Mahogany) in a farmer plantation at Anakatty, Coimbatore, Tamil Nadu has been investigated. The investigation revealed the attack of a species of Bostrychid beetle. The beetles measuring about 1.5 cm were dark brown (Fig.1) and were observed to move faster over the bark and bore into the main stem. Maximum 8 to 10 bore holes were seen on surface of the stem starting from bottom to top of

a tree. Oozing of gum from the entry holes (Fig.2) and heaps of wood dust poured out of



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Investigation of Bostrychid beetle problem on *Swietenia macrophylla* by IFGTB, Coimbatore

Publications

- **ICFRE** published a book "*Poplar: Samridhi ka Vriksh*" in Hindi under a project entitled "*Samudai Adharit Samanvit Van Prabandhan Evam Sanrakshan Yojana* in Bihar State".
- **FRI, Dehradun** published the following reports/proceedings:
 - ❖ "DPR on Forestry Interventions for Ganga", in two volumes.
 - ❖ Proceedings of the 13th Silviculture Conference (held on 24 to 28 November 2014), in two volumes.
- **IFGTB, Coimbatore** has published following books/brochures etc.:"Pictorial Guide on Shola Trees".
 - ❖ Training Manual on Biological Diversity Act, 2002.
- ❖ A Brochure on Celebration of International day for Biological diversity-Mainstreaming Biodiversity: Sustaining People and their livelihoods.
- ❖ An awareness poster based on the theme of the year 2016, 'Forests and Water' on 21 March 2016.
- ❖ A poster on Bioprospecting of Forest Resources for Protection and Production Forestry.
- ❖ 'Go Wild for Life' an awareness poster by ENVIS on World Environment Day 2016.
- **IWST, Bengaluru** published a Technical Bulletin on "Cultivation Prospects of Edible Bamboo Shoots in South India".

Consultancies

- A MoU was signed on 8 March 2016 with Bihar State Forest Department for Evaluation of plantation schemes under Bihar State CAMPA fund.
- Consultancies were awarded for studying effect of pre and post- exploratory drilling on terrestrial Flora, Fauna and Aquatic lives under Marki Barka East Block (1000 ha) and West Block (800 ha) of Singrauli Coalfield Area falling under Mahan Reserve Forest, Singrauli, Madhya Pradesh by Central Mine Planning and Design Institute (CMPDI), Ranchi.
- A consultancy for carrying out "Monitoring & Evaluation of plantations raised under CAMPA" has been awarded to HFRI, Shimla by HPSFD, Shimla.
- A consultancy was awarded by BCCL, Dhanbad for "Enhancement of biodiversity and its conservation in the ecological restoration site at Tetulmari Sijua area of BCCL, Dhanbad.

Tree Growers' Mela/ Kisan Mela/ Bamboo Craft Mela

- A Bamboo Craft Mela was organized by IWST, Bengaluru on the side lines of the National Seminar on "Bamboo Resource Management and Advances in Utilization Options" under the aegis of Bamboo Technical Support Group-Indian Council of Forestry Research and Education (BTSG-ICFRE), Dehradun from 23 to 25 February 2016.
- FRI, Dehradun participated and showcased its activities through exhibition in:
 - ❖ Basant Mela-2016 at ITBP, Seema Dwar, Dehradun from 7 to 9 February 2016.



FRI Stall at ITBP Basant Mela

- ❖ Uttarakhand State Council of Science and Technology (UCOST) Exhibition on 10 February 2016 at Jhajhara, Dehradun.
- ❖ Doon Valley Spring Bird Festival from 11 to 14 February 2016 at Asan Barrage, Dehradun.
- ICFRE participated in Indian Science Congress Exhibition held at Mysore University, Mysuru from 3 to 7 January 2016. The ICFRE activities were showcased by IWST, Bengaluru.



ICFRE stall in Indian Science Congress Exhibition at Mysore University



India Wood 2016 held at Bengaluru

- IWST, Bengaluru participated in India Wood 2016 held at International Exhibition Centre, Bengaluru from 25 to 29 February 2016.
- TFRI, Jabalpur participated in following Melas/ Meets:
 - ❖ Farmers-Industry meet on Bamboo at Majitha organized by State Bamboo Mission, Bhopal on 11 January 2016.
 - ❖ Farmer's Melawa at Krishi Vigyan Kendra, Ghatkhed, Amravati on 19 February 2016 and guided the farmers on social forestry under Networking of VVK with KVK programme.
 - ❖ Public Information Campaign organized by Ministry of Information and Broadcasting, GoI at Bal Vihar Ground, Old Collectorate Compound, Sehore during 24 to 26 February 2016.
 - ❖ Shetkari's Melawa at Krishi Vigyan Kendra, Gondia, Maharashtra on 5 March 2016 and guided the farmers on social forestry under Networking of VVK with KVK programme.
- CFLE, Agartala organized Livelihood-Forestry Mela at Nazrul Kalakshetra on 26 March 2016. The Mela was inaugurated by Sri Naresh Jamatia, Honorable Minister for Forest and Rural Development, Govt of Tripura.



Livelihood-Forestry Mela at Nazrul Kalakshetra organized by CFLE, Agartala

- RFRI, Jorhat participated in the Exhibition of "MSM Expo Jorhat 2016" on 9 and 10 February 2016 organized by MSME Development Institute, Guwahati, Govt. of India in association with NESSIA, Jorhat and DICC, Jorhat.
- RFRI, Jorhat represented ICFRE in the Exhibition at "Destination North East, 2016" organized by Ministry of DoNER in collaboration with Ministry of Culture, Government of India from 12 to 14 February 2016 at Pragati Maidan, New Delhi.



RFRI exhibition stall at "Destination North East, 2016" at Pragati Maidan, New Delhi

- AFRI, Jodhpur participated in the following events by putting stalls depicting technologies and research activities through posters, along with distribution of related brochures, folders and leaflets at the stall:

- ❖ Paschimi Rajasthan Udhog Hastshilp Utsav 2016, organized at Jodhpur under the aegis of District Industries Centre, District administration, Jodhpur and Industries Association from 7 to 17 January 2016.
- ❖ Arogyam - 2016 Mela organized by Ayurveda Department, Jodhpur at Jodhpur from 28 to 31 January 2016.
- ❖ Field Day on Mustard Production organized by Krishi Vigyan Kendra, CAZRI, Jodhpur on 14 January 2016 at Lavera-kala Village of Panchayat Samiti, Bavdi under National Mission on Oilseeds and Oilpalm, in which around 300 farmers participated.
- ❖ "District Level Farmers Fair" organized at Agricultural Research Centre, Mandore, Jodhpur under ATMA on 9 February 2016.
- ❖ "Jan Suchna Abhiyan" organized by Press Information Bureau at Saansad Adarsh Gram Kalyan Singh ki Sid from 18 to 20 February 2016.
- ❖ "Krishak Prashikshan" (Farmers Training Programme) at Krishi Vigyan Kendra, Maulasar, Nagaur, organized by Assistant Director Agriculture (Extension), Kuchaman City, Nagaur on 24 February 2016.
- ❖ "Pradhanmantri Fasal Bima Yojna, Jagrukta Abhiyan Evam Kisan Mela" held at Lunawas Khara village, Jodhpur which was organized by K.V.K. CAZRI, Jodhpur on 3 April 2016.

Miscellaneous

● International Day of Forests/World Forestry Day

- ❖ International Day of Forests was observed on 21 March 2016 at IFGTB, Coimbatore. An awareness poster based on the theme of the year 2016 'Forests and Water' was released. The function concluded with the planting of tree saplings by the dignitaries. At FRI, Dehradun an exhibition was organized which included posters and models depicting the achievements of the Institute.



Celebration of International Day of Forests at IFGTB, Coimbatore

● Earth Day

- ❖ The 46th edition of Earth Day was celebrated at HFRI, Shimla at its upcoming Western Himalayan Temperate Arboretum (WHTA) at



World Earth Day 2016 celebration at HFRI, Shimla

Potter Hill, near Shimla on 22 April 2016 in collaboration with the WWF (Shimla Office). About 100 students, teachers and scientists from the Institute participated in event.

- ❖ Observance of Earth Day & Briksha Ropan Mahotsava were organized by CFLE, Agartala at Shri Krishna Mission School, Bamutia in collaboration with Panchai Farmers' club of Bamutia under West Tripura district.

● **International Day for Biological Diversity**

- ❖ International Day for Biological Diversity was observed on 22 May 2016 at ICFRE, Dehradun; IFGTB, Coimbatore; HFRI, Shimla; AFRI, Jodhpur; TFRI, Jabalpur; RFRI, Jorhat; CFRHRD, Chhindwara and CFLE, Agartala. The theme of the day was "Mainstreaming Biodiversity: Sustaining people and their livelihood". Various activities including competition for students on theme, lectures, nature walk etc. were organized to mark the occasion.



Celebration of International Day for Biological Diversity, 2016 at ICFRE, Dehradun

● **World Environment Day**

- ❖ World Environment Day & FRI Day was celebrated on 5 June 2016 with great



Celebration of the World Environment Day at FRI, Dehradun



Celebration of World Environment Day at RFRI Jorhat

enthusiasm in FRI, Dehradun. The day was observed by releasing an awareness poster and other activities at IFGTB, Coimbatore and IWST, Bengaluru. The celebration was marked with honouring the 'Forest Man of India', Padmashree Dr. Jadab Payeng at RFRI, Jorhat. The day was also observed at AFRI, Jodhpur and CFLE, Agartala.

● **World Day to Combat Desertification**

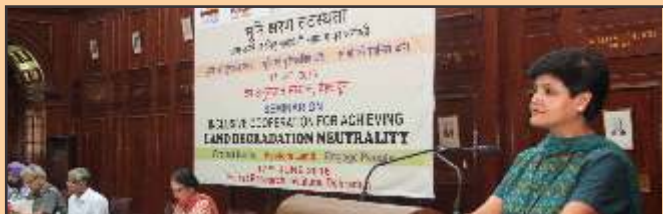
- ❖ To mark the occasion, MoEF&CC, Government of India organized a series of events, involving school children, members of village forest protection and management committees, practitioners, various research organizations, political leaders and private sector at AFRI, Jodhpur. Hon'ble Member of Parliament, Jodhpur, Shri Gajendra Singh Shekhawat graced the occasion as the chief guest of the function. One day training was also organized on the occasion in association with SFD, Rajasthan on 17 June 2016 which was attended by total 184 members of different VFPMCs & 75 Foresters. In addition, a workshop on Desertification and Land Degradation: Assessment and Rehabilitation Measures was organized as the technical part of the daylong celebrations of the World Day to Combat Desertification.



Releasing of book entitled "Desertification and Land degradation Atlas of India" at AFRI, Jodhpur



Releasing of book entitled "Cacti in Desert Botanical Garden" at AFRI, Jodhpur



Celebration of World Day to Combat Desertification at FRI, Dehradun

- ❖ FRI, Dehradun celebrated World Day to Combat Desertification on 17 June 2016 in the convocation hall of Main Building. On the occasion, a seminar on "Inclusive Cooperation for Achieving Land Degradation Neutrality" was organized.

Visit Abroad

- Dr. Mathish. N. V. Scientist - E, IFGTB, Coimbatore visited University of Osnabruck, Germany from 13 to 26 February 2016 to carry out research.
- Sh. Jawaid Ashraf, Scientist - B, FRI, Dehradun visited Kyoto, Japan to participate as a statistical expert in the symposium from 24 February to 25 March 2016.
- Shri V.R.S. Rawat Scientist-F, ICFRE, Dehradun visited Bonn, Germany to participate in the 44th session of the Subsidiary Bodies (SBSTA/SBI) of UNFCCC from 16 to 26 May 2016 as a member of Government of India delegation.
- Dr. T.P. Singh, ADG (BCC), ICFRE, Dehradun visited Bangkok, Thailand to participate in the REDD⁺ Monitoring, measurement, reporting and verification workshop from 25 to 27 May 2016.
- Dr. V.P. Tewari, Director, HFRI, Shimla visited Germany for one month from 1 to 30 June 2016 under EU-funded Erasmus Mundus Action 2 SmartLink project fellowship to undertake a "Administrative Staff" mobility at George-August University, Göttingen, Germany.

Academic Audit

- MoEF&CC, Government of India had assigned the responsibility to carry out the academic audit to a team of experts namely, Dr. Ram Prasad, IFS (Retired), Former PCCF, Madhya Pradesh; Dr. J.K. Rawat, IFS (Retired), Former PCCF, Haryana and Professor MSM Rawat, Ex-Vice Chancellor, HNB Garhwal University. Accordingly, Academic audit of ICFRE and its Institutes was conducted

during May and June 2016 as per the following schedule:

ICFRE & FRI	23- 26 May 2016
HFRI, Shimla	17-18 June 2016
IFP, Ranchi	22-23 June 2016
RFRI, Jorhat	24-26 June 2016
AFRI, Jodhpur	30 June - 2 July 2016

Annual Review

- The annual review meeting was held on 22 and 23 January 2016 with all the Directors, GCRs, DDGs, Director (IC), ADGs, scientists of Research Directorate of ICFRE in the Board Room of ICFRE. A total of 80 new proposals submitted by the institutes with the budget outlay of Rs 3.42

crore were discussed and approved by the review committee to be taken up in 2016-17. A total of 121 ongoing projects were reviewed by the committee out of which 64 projects with budget outlay of Rs. 2.91 crore were approved for continuation.

Accreditation of Universities

- Evaluation Team of ICFRE visited 3 universities i.e., Uttar Banga Krishi Vishwavidyalaya, Cooch Behar (WB), Dr. Balasaheb Konkan Krishi Vidypeeth, Dapoli (MS) and Tamil Nadu Agricultural University, Mettupalayam (TN) to verify and validate the self Appraisal Reports submitted by the Universities.
- Funds were released to the 4 Universities i.e. Sher-E-Kashmir University, Srinagar (J&K), Navsari Agricultural University, Navsari (Guj.), HNB Garhwal Central University, Srinagar (UK) and Tamil Nadu Agricultural University, Coimbatore (TN) under "Networking Project on NTFP".

National and International Cooperation

- 144 Externally aided projects are ongoing at the ICFRE Institutes with the budget outlay of 58.65 crore. ICFRE institutes have also submitted 161 New Projects to External Funding Agencies with budget outlay of 111 crore.
- Following projects and MoUs were processed for approval of the competent authorities at ICFRE/MoEF&CC:-
 - ❖ RFRI, Jorhat with ICAR-National Bureau of Soil Survey and Land Use Planning, North-eastern Regional Centre at Jorhat regarding strengthening existing scientific capabilities of RFRI.
 - ❖ IWST, Bengaluru and M/s Spectrus Informatics Pvt. Ltd., which is specialized in providing advanced engineering solutions.
 - ❖ IWST, Bengaluru and National Research Development Corporation (NRDC), a company established by the Government of India with the objectives of promotion, development, licensing and commercial exploitation of indigenous technology, know-how and inventions, including the technical and engineering know-how generated by R&D laboratories and institutions.
- ❖ MoU between ICFRE and Department of Forest and Park Services, Ministry of Agriculture and Forest Royal Government of Bhutan has been submitted to MoEF&CC for approval.
- ❖ MoU between ICFRE and Kasetsart University (KU), Bangkok has been submitted to MoEF&CC for approval for collaboration of KU and ICFRE in the field of biotechnology, tree improvement and conservation of forest genetic resources and value-added forest products.
- To put in place a firm instrument for collaborative research, education and extension on medicinal plants of the Trans-Himalayan Cold Deserts of the region and other related subjects, a Memorandum of Understanding (MoU) was signed between ICFRE and Central Council for Research in Ayurvedic Sciences (CCRAS), Department of AYUSH, Ministry of Health, Govt. of India on 5 June 2016.

Technology Transfer

- IFGTB has developed 25 fast growing clones of *Casuarina* and *Eucalyptus* capable of increased pulpwood production in a short rotation of 3 to 5 years. License has been granted to a progressive farmer, Shri T. Umamaheshwar Rao for commercial propagation of three clones of *Casuarina* (CJ9, CH 1 and CH 2) developed by the institute. The Farmer has paid a one-time license fee for the non-exclusive license to propagate these clones for a period of ten years.
- A Memorandum of Understanding (MoU) was signed between IWST, Bengaluru and Spectrus Informatics Private Limited (Spectrus), Bengaluru at IWST on 29 April 2016 to develop innovative technologies and to commercialize bamboo fibre reinforced thermoplastic composites materials for

mass production and high value applications.



Signing of MoU between IWST, Bengaluru and Spectrus Informatics Private Limited (Spectrus), Bengaluru

Visit of Dignitaries

- Shri Prakash Javadekar, Hon'ble Minister of State (Independent Charge) for Environment, Forest & Climate Change, Government of India visited Advanced Research Centre for Bamboo and Rattan (ARCBR), Aizawl, Mizoram on 9 January 2016.
- Shri Prakash Javadekar, Hon'ble Minister of State (I/C), MoEF&CC, New Delhi visited IFGTB, Coimbatore on 2 February 2016. The Hon'ble Minister released a book entitled "Pictorial Guide on Shola Trees" and a product "Vermico-IPM", an



Visit of Shri Prakash Javadekar, Hon'ble Minister of State (Independent Charge), MoEF&CC at Aizawl, Mizoram

organic growth enricher- cum- Biobooster-An Instant Potting Medium.



Shri Prakash Javadekar, Hon'ble Minister of State (Independent Charge), MoEF&CC releasing the book "Pictorial Guide on Shola Trees" at IFGTB, Coimbatore

- Forestry Team of IKEA headed by Shri. Mikhail Tarasov, Global Forestry Manager, IKEA of Sweden visited ARCBR on 7 April 2016 and attended a meeting with the scientists. They discussed the feasibility of setting up a production unit of IKEA in Mizoram.
- Prof. Ramesh Chand, Member of Niti Aayog, New Delhi visited ARCBR, Aizawl on 22 April 2016.



Visit of Prof. Ramesh Chand, Member of Niti Aayog to ARCBR, Aizawl

- The Principal Chief Conservator of Forests (RE & T), Maharashtra Forest Department visited IWST, Bengaluru on 6 May 2016 and discussed various activities which MFD and IWST, Bengaluru can take up collaboratively.

- Shri Ajay Narayan Jha, Secretary to Govt. of India, MoEF&CC visited ICFRE & FRI,



Visit of Shri Ajay Narayan Jha, Secretary to Govt. of India, MoEF&CC to FRI, Dehradun



Visit of Shri Naresh Jamatia, Hon'ble Forest Minister, Govt. of Tripura to CFLE, Agartala

Demonstrations Organized

- TFRI, Jabalpur and CFRHRD, Chhindwara organized 17 demonstration programmes to the visitors including students and officials of state forest departments from January to June 2016.
- CFLE, Agartala organized a one day demonstration programme on Seed Grading and vegetative propagation of Broom Grass at CFLE campus on 23 May 2016. Beneficiaries from Noagaon, Berimura, Bazalaghat, Jhumias from Kanchanpur and students of Department of Forestry, Tripura University attended the demonstration programme.



Demonstration programme on Seed Grading and Vegetative Propagation of Broom Grass at CFLE, Agartala

Other Important Activities

- The first phase of digitization of Fischer Herbarium of IFGTB, Coimbatore (FRC) has been completed and the digital herbarium was web-hosted during a function organized on 12 April 2016.
- FRI, Dehradun and CISF team working with ONGC organized a joint Fire Safety Drill at the convocation hall of FRI on 3 May 2016.



Organizing a joint Fire Safety Drill at FRI, Dehradun

- Director General, ICFRE, Dr. Ashwani Kumar & Smt. Vijaya Sharma W/o Late Prof. Som Dev



Inauguration of Prof. Som Deva Sharma Herbarium collections at FRI, Dehradun

Sharma inaugurated Prof. Som Deva Sharma Herbarium collections at Systematic Botany Discipline, Botany Division, FRI on 1 June 2016.

- Department-related Parliament Standing Committee on Science & Technology, Environment & Forests visited Himachal Pradesh on 10 and 11 June 2016 to discuss recent forest fires and its effect on environment, forest, biodiversity and wildlife and remedial/ preventive measures. As per the instructions of MoEF& CC, New Delhi, HFRI coordinated with the officials of the State Government, Central Ministries, various institutions, NGOs and Civil Society Organization and ensured their participation. The institute also coordinated the visit of the Committee on way to Shimla, showed the recent fire affected areas in and around Kasauli of district Solan. Dr. S.P. Vasudeva, IFS, PCCF, Himachal Pradesh and his team of Forest Officers of Himachal Pradesh Forest Department were present during this visit.



Visit of Parliament Standing Committee on Science & Technology, Environment & Forests to the state of Himachal Pradesh

Activities of BTSG-ICFRE, Dehradun (National Agro-forestry and Bamboo Mission)

● Training Programmes

- ❖ A Five Days Training Programme for Farmers of Jharkhand and adjoining States in Raising, Managing and Marketing Bamboo' was organized at IFP, Ranchi from 1 to 5 February 2016.

● National Bamboo Database

- ❖ Under the first stage, National Bamboo Database Web Portal / Software was designed and developed by BTSG - ICFRE, Dehradun for collection, collation, retrieval and management of information in the digital format. The web portal was launched for pilot testing on 25 March 2015 and is under continuous observation and updation on the basis of practical experience of operating on day-to-day basis.

- ❖ Under second phase of this programme during 2015-16, training workshops have been organized for capacity building and human resource development (HRD) of Division Level Officers of State Forest Departments and their equivalents as follows:

- * Training Workshops on 'National Bamboo Database for the Division Level Users (DLUs) generally DFOs of West Bengal, sixth in the series, was held at Aranya Bhawan, West Bengal Forest Department, Salt Lake, Kolkata on 9 February 2016.
- * Training workshop on 'National Bamboo Database for the Division Level Users (DLUs) generally DFOs of North-eastern States viz., Assam, Arunachal Pradesh, Sikkim, Nagaland, Meghalaya, Manipur, Mizoram and Tripura, seventh in the series,



National Seminar on "Bamboo Reserve Management and Advances in Utilization Options" by IWST, Bengaluru

was held at RFRI, Jorhat (Assam) on 11 and 12 February 2016. Participants from Tripura only could not make to this training programme.

- * National Seminar on "Bamboo Reserve Management and Advances in Utilization Options" organized by IWST, Bengaluru under the aegis of BTSG-ICFRE, Dehradun

from 23 to 25 February 2016. During the seminar "Abstract-cum-Souvenir of the National Bamboo Seminar", "IWST Technical Bulletin on cultivation prospects of edible bamboo shoots in South India" and "A CD containing 20 minute documentary movie on *Dendrocalamus stocksii* (Marihal bamboo), an endemic species of Central Western Ghats" were released. More than 100 delegates from all over India attended the Seminar.

● Exposure Visit

- ❖ Exposure visit under BTSG-ICFRE was organized for the master craft persons from Uttarakhand to the North-eastern part of India from 23 February to 3 March 2016.
- ❖ Exposure Visit under BTSG-ICFRE for delegates of the National Seminar on "Bamboo Reserve Management and Advances in Utilization Options" was organized at IWST, Bengaluru on 25 February 2016
- ❖ Exposure visit under BTSG-ICFRE, Dehradun was organized to Bengaluru from 12 June to 18 June 2016. Seven (7) master crafts persons of bamboo from North East and one official from RFRI, Jorhat participated in the visit.
- ❖ An exposure visit of 21 members of ICIMOD delegation of Forest Service officers from Nepal to adopted Demo Village, Shyampur, Dehradun on 12 June 2016 was organized to showcase extension activities being carried out by FRI.

Popularizing Forestry through All India Radio/ Doordarshan

- Dr. S. Chakrabarti, Scientist-F delivered two talks which were broadcasted by All India Radio under programme "*Chalti Rahe Zindagi*" from Vividh Bharati (Bhopal, Indore and Jabalpur). The topics were (i) Utilization of spider silk through biotechnology research (18 March 2016 at 9.30 AM), (ii) Prospects of spiders as bio-control agent of pest insects in organic farming (25 March 2016 at 9.30 AM).
- Radio talk was given by Shri N D Khobragade, Scientist-C on "Cultivation of medicinal plants" on

16 May 2016 at All India Radio, Chhindwara.

- Radio talk was given by Shri A.J.K. Asaiya, Research Officer on "Agroforestry and disease management" on 16 May 2016 at All India Radio, Chhindwara.
- Shri P. K. Kaushik, Scientist - E and Shri Atanu Saha, DCF, CFLE delivered TV Talk on "Role of low-cost vermi-composting in livelihood development" on 16 June 2016 at Headlines Tripura - (ATV Channel of repute), Agartala.

Awards

● FRI, Dehradun

- ❖ Following officials from FRI, Dehradun were awarded "Young Scientist Award" during 10th Uttarakhand State Science & Technology Congress at Vigyan Dham, Dehradun from 10 to 12 February 2016:-

- i) Dr. Hukum Singh, Scientist-B
- ii) Ms. Pallavi Dubey, Dr. Pradeep Sharma & Dr. Vineet Kumar
- ❖ Dr. Arvind Kumar, Scientist-D, FRI, Dehradun received Scientist of the year, 2015 award by the Society for Upliftment of Rural Economy, Varanasi-2016.

- Dr. Vipin Prakash, Scientist-D received "Young Scientist of the Year Award- 2015" on 7 March 2016 by the International Foundation for Environment and Ecology (IFEE), Kolkata and

Confederation of Indian Universities, New Delhi. He was awarded in recognition of his outstanding contribution in the field of Mycology and Soil Microbiology.

International Day of Yoga

- The day was observed across the ICFRE Institutes on 21 June 2016. Officers, scientists, staffs and their families participated in the yoga sessions organized at respective institutes/ centres. Simultaneously, a workshop was also organized at HFRI, wherein Yoga Trainers explained and emphasized the importance of Yoga.



Celebration of International Yoga Day 2016 in various Institutes under ICFRE



Visit of DG, ICFRE to the Institutes



Visit of DG, ICFRE at IWST, Bengaluru



Visit of DG, ICFRE at AFRI, Jodhpur

- Dr. Ashwani Kumar, Director General, ICFRE visited ICFRE institutes and interacted with scientists and officers of the institutes as per the following schedule:
 - ❖ RFRI, Jorhat on 30 January 2016.
 - ❖ IFP, Ranchi on 4 and 5 May 2016.
 - ❖ HFRI, Shimla and its Field Research Stations from 26 to 29 May 2016.

- ❖ AFRI, Jodhpur from 4 and 5 June 2016.
- ❖ IFGTB, Coimbatore on 10 June 2016. A poster entitled: "Bio-prospecting of Forest Resources for Protection and Production Forestry" was released. The Director General inaugurated newly constructed Auditorium building.
- ❖ IWST, Bengaluru on 11 and 12 June 2016.

Rajbhasha News

- In order to achieve the targets set for implementation of Rajbhasha Hindi, various activities have been conducted in ICFRE and its institutes. ICFRE, Dehradun organized two Rajbhasha training workshops on 19 January

2016 and on 17 May 2016. ICFRE, Dehradun also participated in half yearly meeting of TOLIC, Dehradun on 17 June 2016. HFRI, Shimla attended TOLIC meeting at Shimla on 9 February 2016.

HR NEWS

Dr. Shashi Kumar is the new Director General, ICFRE

Dr. Shashi Kumar, IFS (AGMUT:1980), Director, IGNFA, Dehradun assumed the additional charge of the post of the Director General, Indian Council of Forestry Research and Education (ICFRE), Dehradun in the forenoon of 25 June 2016.



Name & Designation

Date

Appointments

Deputation:

Dr. Savita, IFS, Director, FRI, Dehradun	06.01.2016
Shri Surendra Kumar, IFS, Director, IWST, Bengaluru	11.01.2016
Shri R. Thanga Pandian, IFS, DCF, FRI	13.01.2016
Shri A.S. Rawat, IFS, DDG (Admin.), ICFRE	09.02.2016
Shri Chandra Sharma, R.O.-I, ICFRE	15.02.2016
Shri Akhilesh Kumar Sharma, DCF, TFRI, Jabalpur	18.02.2016
Shri M.Z. Singson, DCF, ARCB, RFRI, Jorhat	27.05.2016

Promotions:

Dr. S.P. Subramani, R.O.-I,	15.02.2016
Shri A.K. Sarmah, R.O.-I, RFRI, Jorhat	25.02.2016
Smt. Jinti B. Borthakur, R.O.- I, RFRI, Jorhat	25.02.2016
Smt. Runumee Devi Borthakur, R.O.- I, RFRI, Jorhat	29.02.2016
Shri V.K. Dhawan, Scientist-B, FRI, Dehradun	02.06.2016
Shri Suresh Chandra, Scientist-B, FRI, Dehradun	02.06.2016
Shri M.V. Durai, Scientist-B, IFGTB, Coimbatore	23.06.2016

Repatriation/Relieving from ICFRE:

Dr. S.P. Singh, DDG (Admin.), ICFRE	04.01.2016
Shri Abhilash Damodaran, DCF, ICFRE	20.06.2016
Dr. Ashwani Kumar, DG, ICFRE	24.06.2016

Retirement:

Shri Mahendra Singh, R.O. -I, FRI, Dehradun	31.01.2016
Dr. Paramjeet Singh, Scientist-F, FRI, Dehradun	29.02.2016
Shri. S.H. Jain, Scientist-D, IWST, Bangalore	29.02.2016
Shri Pitamber Tamta, PS, FRI, Dehradun	29.02.2016
Shri G. Thakuria, R.O. -I, RFRI, Jorhat	29.02.2016
Shri D. Gurung, Scientist-C, RFRI, Jorhat	31.03.2016
Dr. Vivekanandan, Scientist-E, IFGTB, Coimbatore	30.04.2016
Shri Mohinder Singh Chauhan, F.R.O., HFRI, Shimla	31.05.2016
Shri Neena Khandekar, ADG (Admin.), ICFRE	30.06.2016

Promotions under FCS

As on 1 January 2016

From Scientist-C to Scientist-D

Dr. V.K.W. Bachpai, IFGTB, Coimbatore
Dr. S.K. Sharma, ICFRE, Dehradun
Dr. Devendra Kumar, FRI, Dehradun
Dr. J.M.S. Chauhan, FRI, Dehradun
Dr. Tara Chand, FRI, Dehradun

From Scientist-D to Scientist-E

Dr. Charan Singh, FRI, Dehradun
Smt. Seema Kumar, AFRI, Jodhpur

From Scientist-E to Scientist-F

Dr. V. Sivakumar, IFGTB, Coimbatore
Dr. Yogeshwar Mishra, TFRI, Jabalpur
Shri Jagdish Singh, HFRI, Shimla
Dr. A.N. Arun Kumar, IWST, Bengaluru
Dr. S. Pattanaik, IFB, Hyderabad
Dr. Sharad Tiwari, IFP, Ranchi
Dr. V. Jeeva, ICFRE, Dehradun

From Scientist-F to Scientist-G

Dr. Sushma Mahajan, ICFRE, Dehradun
Dr. A.K. Pandey, FRI, Dehradun
Dr. H.S. Ginwal, FRI, Dehradun
Dr. N.K. Upreti, FRI, Dehradun

Transfer:

<u>Name of Officer</u>	<u>From</u>	<u>To</u>
Shri Nisar Alam, R.A. -I	RFRI, Jorhat	IFP, Ranchi
Shri Om Prakash Rawtey, MTS	AFRI Jodhpur	TFRI, Jabalpur
Shri Jitesh Meena, MTS	TFRI, Jabalpur	AFRI, Jodhpur
Shri R. Raja Rishi, Scientist-C	RFRI, Jorhat	IWST, Bengaluru
Dr. T.S. Rathore, Scientist-G	IWST, Bengaluru	AFRI, Jodhpur
Shri Pravin H. Chawhann, Scientist-F	AFRI, Jodhpur	IFB, Hyderabad
Dr. Abha Rani, Scientist-E	AFRI, Jodhpur	IFB, Hyderabad

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Obituary

The ICFRE family deeply condoles the sudden and sad demise of Shri Devi Prasad, M.T.S., Extension Division, FRI, Dehradun on 05.05.2016 and prays for the peace of the departed souls.



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