



Indian Council of
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ICFRE NEWSLETTER



Tree Growers Mela



TFRI, Jabalpur organized Kisan Mela in collaboration of NABARD & ICFRE at KVK, Mandla (M.P.)



RFRI, Jorhat organized "Second National Seminar on Agarwood cum Tree Growers' Mela for Agarwood Farmers"

- TFRI, Jabalpur organised "Kisan Mela" in collaboration of NABARD & ICFRE at Krishi Vigyan Kendra, Mandla on 11 March 2022. The fair focused on assisting farmers with readily transferable technologies developed by various government institutes and non-government organizations. It also provided platform to acquaint farmers, tribals and other forest dependent populations including non-wood forest produce and medicinal plant dealers with financial schemes and support in Agroforestry & Forestry activities.
- RFRI, Jorhat organized "Second National Seminar on Agarwood cum Tree Growers' Mela for Agarwood Farmers" held at RFRI, Jorhat, Assam on 24 and 25 March 2022.

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Azadi Ka Amrit Mahotsav

- FRI, Dehradun organized One day Virtual Seminar on "Standards for Certification of Forestry Seeds".
- FRI, Dehradun organized International Seminar on "Advances in Wood Science for Natural Resources Sustainability" on 25 March 2022.



FRI, Dehradun organized One day Virtual Seminar on "Standards for Certification of Forestry Seeds"

- IFGTB, Coimbatore celebrated the International Day of Forests 2022 on 21 March 2022 to create awareness among students and general public about the significance of sustainable forestry.

- HFRI, Shimla celebrated Programme on theme “Jal Hi Jeevan” on 11 March 2022. Scientists, Officers and staff participated in this programme.
- AFRI, Jodhpur celebrated International Women's Day 8 March, 2022.
- AFRI, Jodhpur celebrated World Forestry Day on 21 March, 2022 under the theme of "Restoration of Degraded Lands through Forestry Interventions".
- IFP, Ranchi organized training programme on “Living Livelihood Generation through Lac Farming” on 4 March 2022 in Demonstration Village Kutam, Torpa Khunti, in which 40 participants of the village participated.
- IFP, Ranchi celebrated International Women's Day under the theme of "Empowerment of Women Against Gender Discrimination" on 8 March 2022 at field level at Sirkah, MPI, Ramgarh in which about 50 participants participated.
- IWST, Bengaluru organized a Webinar on “Augumenting Teak timber in India: Way Forward” on 21 to 22 march 2022. About 95 members representing state forest departments, universities and forestry colleges attended the programme.
- IWST, Bengaluru organized webinar on “Sandalwood farming and management of its health” on 25 March 2022 for students, researchers, academicians, farmers and other end users. About 150 participants benefited from the programme.
- IWST, Bengaluru organized webinar on “Need an act to revive agro wood based sector in India” on 28 March 2022.
- TFRI, Jablapur celebrated International Forests Day, 2022 on 21 March 2022.
- IFB, Hyderabad celebrated International Forests Day, 2022 on 21 March 2022 under the theme of "Forests and sustainable production and consumption”. A total of 28 members of officials from IFB participated in the programme.
- IFB, Hyderabad organized a programme on Forest Soil Management on 25 March 2022 the objective of this program is to spread the message of soil conservation and management practices. A total of 15 Officers/ Scientists and Technical staff participated in this programme.
- IFB, Hyderabad organized a programme on Insulin plants as intercropping in agroforestry- A success story on 28 March 2022. A total of 18 Officers/ Scientists and Technical staff participated in this programme.



HFRI, Shimla celebrated programme on “Jal Hi Jeevan”



AFRI, Jodhpur celebrated International Women's Day



IFP, Ranchi celebrated International Women's Day



IWST, Bengaluru organized webinar on “Need an act to revive agro wood based sector in India”

Significant Research Findings

Forest Research Institute, Dehradun

- A draft manual was prepared on Seed Handling and Collection for 30 Tree species listed by Odisha State Forest Department under project “Development of Standard Operating Procedures for Developing Quality Planting material for State Forest Department, Odisha”.
- To know the richness of forest flora survey was conducted in Arakot, Balcha, Lambathach, Tiuni & adjacent areas in Uttarakhand & following sps. were reported *Taxus baccata*, *Abies pindrow*, *Aesculus indica*, *Rhododendron arboretum*, *Ilex odorata*, *Viburnum cotinifolium*, *Ficus scandens*, *Spiraea canescens*, *Maoutia puya*, *Pieris ovalifolia*, *Rubus biflorus*, *Zanthoxylum alatum*, *Glochidion velutinum*, *Rosa moschata*, *Prinsepia utilis*, *Hedera helix*, *Sarcococca saligna*, *Quercus floribunda*, *Origanum vulgare*, *Cotoneaster bacillaris*, *Persicaria amplexicaulis*, *silene vulgaris*, *Oenothera rosea*, *Ziziphus oenoplia*, *Jasminum officinale*, *Betula alnoides*, *Lonicera angustifolia*, *Rhus semialata*, *Alnus nitida*, *Sarcococca saligna*, *Hedychium coronarium*, *Deutzia staminea*, under the project on Revision of Kanjilal's flora.
- In a survey conducted in Bageshwar Forest Division viz. Glacier, Kapkot, Bageshwar Range 32 trees, 27 shrubs and 09 climbers were identified. Nomenclature updates and species description is being carried out.
- *Ageratina adenophora* (Crofton weed) is native of Mexico and introduced into India as an ornamental plant. Now it has become a serious weed in agriculture and also in forest ecosystem. It replaces the native species or desirable vegetation. The gall inducing fly, *Procecidochares utilis* Stone (Diptera: Trypetidae) was reported from Dehradun, Mussoorie, Kalsi, Tons and Upper Yamuna Division. Moderate to serious incidence of stem gall were found on *A. adenophora*, which can be exploited as a biological control of Crofton weed.



Ageratina adenophora



Adult of *Procecidochares utilis* Stone

Institute of Forest Genetics and Tree Breeding, Coimbatore

- In a study on “Transcriptome analysis of the salt excluding roots of *Rhizophora mucronata*”, the salt induced transcriptome responses of the salt-tolerant species *R. mucronata* and the salt susceptible *R. apiculata* were compared. The transcriptome data were generated by de-novo RNA-Seq using the Illumina platform. The data revealed 3573 differentially expressed genes (DEGs) in 250mM-NaCl treated roots of *R. apiculata*, 3573 DEG's in 250 mM-NaCl treated roots of *R. mucronata*, and 9309 of DEGs between untreated *R. apiculata* and *R. mucronata*.
- Growth performance of *Neolamarckia cadamba* accessions viz., 105, 111, 112, 115, 116, 139 and 144 was found to be better in field as compared to other accessions.
- In second generation *Eucalyptus camaldulensis* clonal trial clones viz., 308, 235, 318 had better growth performance than all other clones.
- The nano encapsulated entomopathogenic endophytic fungi (13 Nos, sequences deposited in NCBI GenBank) isolated from the leaves of *Tectona grandis*, *Ailanthus excelsa*, *Pterocarpus santalinus* and *Gmelina arborea* were observed to have significant biopesticidal efficacy against targeted insect with no toxicity against beneficiary organisms and found promising for the development of nano biopesticide.

Tropical Forest Research Institute, Jabalpur

- Mosquito repellent Agarbatti sticks were developed. Total 10 different formulations were tested for their mosquito repellency and found more than 90% repellency.
- Energy Bars were developed from dried *Madhuca longifolia* (Mahua) flowers and found acceptable by the consumers.



Mosquito repellent agar-batti sticks

Institute of Wood Science and Technology, Bengaluru

- Installed Automatic Weather Station at Baghawathi Nature Camp, Kudremukh National Park.
- Phenology of 350 plants at Anshi Dandeli Tiger Reserve and 400 plants Kudremukh National Park of marked tree sps was observed & data recorded and soil moisture percentage along the phenology track was determined.

Himalayan Forest Research Institute, Shimla

Study on estimation of biomass and soil carbon stock was carried out in selected different land use systems of Lahaul valley of Himachal Pradesh. In general, biomass carbon stock was highest for forest system (Kail, Deodar, Juniper) followed by plantation system (Poplar, Salix) and lowest for degraded areas, whereas, soil carbon stock was maximum for agriculture system in comparison to other land use systems.

Institute of Forestry Productivity, Ranchi

- Total of 56 rhizomes were added in the *Bamboosetum* of IFP, Ranchi collected from Northern West Bengal, which includes 11 of *Bambusa tulda*, 04 of *Bambusa balcooa*, 05 of *Dendrocalamus giganteus*, 04 of *Gigantochloa minor Amoenus*, 04 of *Bambusa chungii*, 10 of malin bamboo, 05 of grass bamboo, 05 of *Thyrsostachys oliveri*, 07 of *Sheranji makla*, 03 of *Githa bamboo*.
- A new *Bamboosetum* has been established in the campus of IFP, Ranchi with 108 numbers of rhizomes Bamboo.
- Selected 46 new CPTs of Neem from Bihar in Genetic improvement of Neem.

Consultancy

Indian Council of Forestry Research and Education, Dehradun

- Collected data on floral diversity and other aspects at Chitradurga, Karnataka under M&E of R&R Plan for John Mine (ML No. 2294), ERM Group of Companies Chitradurga district, Karnataka.

Forest Research Institute, Dehradun

- By Preservative treatment/testing, Moisture content and Timber testing a Total Rs. 56241.00 revenue was generated.
- By identification of 11 Nos wood sample from various Govt. Departments and private timber merchants Rs. 1,21,000/- was earned as revenue.

Participation in Exhibiton

- AFRI, Jodhpur participated in KVK at Gudamalani, Barmer at Padru, Siwana, Barmer.
- AFRI, Jodhpur participated in Kisan mela at Padris village at Barmer on 19 March 2022.
- RFRI, Jorhat participated in the exhibition of "Regional Agriculture Fair 2022". RFRI, Jorhat and showcased the research and development activities of the Institute on 12 to 14 March 2022.

Workshops

S.No.	Topic	Duration	Beneficiaries
Forest Research Institute, Dehradun			
1.	Workshop on Threat perception of R&T Species	22 March 2022	-

Rain Forest Research Institute, Jorhat

2.	Workshop on Bamboo Charcoal Production and Briquetting	1 March 2022	Villagers of Karbi Anglong district, Assam
3.	Workshop on REDD+ Capacity Building	28 and 29 March 2022	Forest officials of Manipur Forest Department, Chief Secretary, Forest & Environment, Govt. of Manipur and PCCF & HoFF, Manipur.



RFRI, Jorhat conducted workshop on Bamboo Charcoal Production and Briquetting



RFRI, Jorhat conducted workshop on REDD+ Capacity Building

Training Programmes

S.No.	Topic	Duration	Beneficiaries
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Forest Research Institute, Dehradun

1.	Training on Forest Fire Monitoring and Damage Assessment	3 to 4 March 2022	-
2.	Training on Management of Forests for Water Quality Improvement	7 to 11 March 2022	Officers of Indian Forest Service
3.	Training on Advance technology for extraction of Bhimal (<i>Grewia optiva</i>) fibre through ecofriendly methods	23 March 2022	Farmers, NGOs and State Forest Department of Uttarakhand

4.	Training on Dhoopbatii Making	8 March 2022	Mahila Dhatri Self Help Group and Bangalow ki Kandi Self Help Group of Mussoorie region
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5.	Training on Dhoopbatii Making	8 March 2022	Students and faculty members of the Mahavidyala.
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Institute of Forest Genetics and Tree Breeding, Coimbatore

6.	Training on Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013	10 to 11 March 2022	ICFRE Staff
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FRI, Dehradun conducted training on Management of Forests for Water Quality Improvement



IFGTB, Coimbatore conducted training on Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013

Institute of Wood Science and Technology, Bengaluru

7.	Training on Wood seasoning, preservation and composite wood under HRD programme.	7 to 11 March 2022	Scientist from various ICFRE institute.
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8.	One week compulsory training Training on Advances in Wood Production and Utilization through physical mode.	14 to 18 March 2022	In-service IFS officers nominated by MoEF&CC
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Himalayan Forest Research Institute, Shimla

9.	Training on Eco-restoration of Wastelands (Online)	2 to 3 March 2022	Various departments and organizations including Agriculture, Horticulture, Education, Panchayati Raj Institution, Revenue, Technical Personnel of the research institutes and Bank officials etc.
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10.	बान ओक एवं उच्च परिवर्ती पर्वतीय वनों के कीटों के प्रबंधन पर प्रशिक्षण	6 मार्च 2022	झुंगी वन परिक्षे, पंचायत प्रतिनिधि, महिलाएं, वनमंडलाधिकारी, सुकेत वन मण्डल, संयुक्त निदेशक, हिमाचल प्रदेश वन विभाग अकादमी, सुंदरनगर तथा वन विभाग के अधिकारी एवं कर्मचारी
11.	बान ओक एवं उच्च परिवर्ती पर्वतीय वनों के कीटों के प्रबंधन पर प्रशिक्षण	9 मार्च 2022	कुल्लू वन मण्डल से वन अधिकारी एवं कर्मचारी
12.	Training on Capacity Building of Forest Department of Jammu and Kashmir, UT for preparation of State REDD+ Action Plan	9 to 10 March 2022	J&K UT Forest Department, other organizations and HFRI, Shimla
13.	Training on Management of forest fire	14 March 2022	Farmers and staff of HFRI, Shimla

Rain Forest Research Institute, Jorhat

14.	Training on "Use of Global Positioning System"	1 to 3 March 2022	Technical staff from different institutes of ICFRE
15.	Skill Development Training on "Bamboo Handicrafts"	2 to 12 March 2022	Artisans
16.	Skill Development Training on "Bamboo Shoot Processing and Value Addition"	7 to 9 March 2022	Unemployed youth from different district of Assam.
17.	Skill Development Training on "Bamboo Shoot Processing and Value Addition"	14 to 16 March 2022	Unemployed youth from different district of Assam.



RFRI, Jorhat conducted Skill Development Training on "Bamboo Handicrafts"



RFRI, Jorhat conducted Skill Development Training on "Bamboo Shoot Processing and Value Addition"

Forest Research Centre for Livelihood Extension , Agartala

18.	Training on Vermicomposting and Animal Farming	10 March 2022	Farmers, students and members of SHGs
19.	Training on Low Cost Vermicomposting Techniques and Livelihood Generation	25 March 2022	Farmers and members of SHGs
20.	Training on Low Cost Vermicomposting Techniques and Livelihood Generation	28 March 2022	Farmers and members of SHGs

Tropical Forest Research Institute, Jabalpur

21.	Training on Advance Training in Molecular Biology Techniques and Its Application	21 to 25 March 2022	Scientists of ICFRE
22.	Training on Bamboo: processing & management	24 to 25 March 2022	Farmers of MSME, Maharashtra



FRCLE, Agartala conducted training on Vermicomposting and Animal Farming



TFRI, Jabalpur conducted training on Bamboo: processing & management

Prakriti Programme

- 45 students of BSc (Interior Design) from Nitte School of Fashion Technology and Interior Design, Bangalore visited UTM Lab, Xylarium, workshop, wood museum and Advance Woodworking Training Centre, at IWST, Bengaluru on 25 March 2022
- About 6 students of BArch (II Sem) from Impact School of Architecture, Bengaluru visited UTM Lab, Xylarium, workshop, wood museum and Advance Woodworking Training Centre, at IWST, Bengaluru on 28 March 2022.

Demonstration Programme

- IFGTB, Coimbatore organized demonstrations on the bioproduct Tree Rich Biobooster a waste based potting mixture developed using coir pith waste compost along with bio waste compost, flower waste and vegetable waste composts for application in kitchen garden, terrace garden and other similar applications to the tribes and farmers on 22 March 2022.
- RFRI, Jorhat organized demonstrations on Bamboo Cultivation, Propagation, Nursery Management, Value addition & bamboo preservation techniques on 10 March 2022.
- RFRI, Jorhat organized demonstrations on Bamboo Cultivation, Propagation, Nursery Management, Value addition & bamboo preservation techniques to the students of JIST, Jorhat on 28 March 2022.
- TFRI, Jabalpur demonstrated Sandalwood based agroforestry system and research activities to the group of FRO, 2021-22 batch of State Forest Service, Coimbatore (Tamil Nadu) on 21 March 2022.
- TFRI, Jabalpur demonstrated Bamboo Slicer and Bamboo plantation to the members of Foundation of MSME Cluster, New Delhi and Maharashtra on 24 to 25 March 2022.
- TFRI, Jabalpur demonstrated research activities of TFRI to the Trainees Rangers from Haldwani on 29 March 2022.

Visit of Dignitaries

- Shri Prem Kumar Jha, I.F.S., Inspector General of Forests, MoEF & CC visited IFGTB, Coimbatore on 2 March 2022.
- Chief Secretary, Himachal Pradesh and the Addl. Chief Secretary (Forests, GoHP) HFRI, Shimla on 23 March 2022.
- Shri Chowna Mein, Deputy Chief Minister of Arunachal Pradesh visited HFRI, Shimla on 4 March 2022. During his visit, he interacted with Scientists about research and development activities of the institute and inaugurated "Vacuum Pressure Impregnation Unit" as well as "Herbarium Unit" at RFRI, Jorhat.
- Head, Bio research Development, Dabour research development center Gaziyabad visited TFRI, Jabalpur.



Shri Prem Kumar Jha, I.F.S., Inspector General of Forests, MoEF & CC visited IFGTB, Coimbatore

Memorandum of Understanding

- AFRI Jodhpur signed MoU with Amity University for Quantitative estimation of Azadirachtin content from Neem Seeds under AICRP-26 on 10 March 2022.
- MoU signed between IFGTB, Coimbatore and Kerala Forest Department CAMPA on 3 March 2022.



Head, Bio research Development, Dabour research development center Gaziyabad visited TFRI, Jabalpur

Popularizing through All India Radio/ Doordarshan

Programme Topic	Channel	Date
Himalayan Forest Research Institute, Shimla		
उत्तर-पश्चिमी हिमालय का जैव विविधता संरक्षण और उत्तर-पश्चिम दूरदर्शन हिमालय में पाए जाने वाले महत्वपूर्ण औषधीय पौधों के बारे में जानकारी तथा संस्थान द्वारा पॉटर हिल, शिमला में स्थापित किए जा रही पश्चिमी हिमालय समशीतोष्ण वाटिका/आर्बोरेटम के बारे में संक्षिप्त जानकारी –डॉ. वनीत जिस्टू, वैज्ञानिक-ई	दूरदर्शन	3 मार्च 2022
“स्वच्छ पर्यावरण का अधिकार और सामाजिक दायित्व”- Dr. Vaneet Jishtu, Scientist-E	Doordarshan	13 March 2022
“Biodiversity Conservation and Management in Relation to the Climate Change” – Dr. S.S. Samant, Director, HFRI, Shimla	Doordarshan	14 March 2022
“Biodiversity Conservation Using Biotechnological Tools” - Dr. S.S. Samant, Director, HFRI, Shimla	Doordarshan	14 March 2022
Biodiversity Conservation- Dr. S.S. Samant, Director, HFRI, Shimla	Doordarshan	21 March 2022

HR News

Appointment (Regular)

Name of Officer	Date
Shri Vinay Kant Mishra, IFS (JHK: 2013) DCF, FRI, Dehradun	24.03.2022
Shri Vijaya Ratre, IFS (CH: 2011), DCF, FRI, Dehradun	15.03.2022
Dr. Renu Singh, IFS (MP: 1990), Director, FRI	28.03.2022

Retirements

Name of Officer	Date
Dr. Sudhir Singh, Scientist – 'G', FRI, Dehradun	31.03.2022
Dr. Sandhana Tripathi, Scientist – 'G', FRI, Dehradun	31.03.2022

Repatriation

Name of Officer	Date
Shri Anurag Bhadwaj, IFS (RJ: 1993), Director, (IC). ICFRE	07.03.2022

Patron:

Shri A.S. Rawat, IFS, Director General, ICFRE, Dehradun

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Shri Ramakant Mishra, CTO, (M&Extn.), Member

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