



Indian Council of
Forestry Research
and Education

ICFRE NEWSLETTER

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28th Annual General Meeting

28th Annual General Meeting of the Indian Council of Forestry Research and Education (ICFRE) Society was held under the Chairmanship of Shri Bhupendra Yadav, Hon'ble Minister of Environment, Forest and Climate Change, Govt. of India and President of ICFRE Society on 28 April 2022 at Forest Research Institute (FRI), Dehradun.



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Azadi ka Amrit Mahotsav

- FRI, Dehradun organized one day Interactive Talk on Role of Beneficial Insects in Environment on 13 April 2022. Scientists, forest officers and students attended the programme.
- FRI, Dehradun organized a Virtual Workshop on Application of Natural Aroma Chemicals in Wellbeing on 22 April 2022 in which knowledge and technical know-how relating to the extraction, quality assessment and value addition of aroma chemicals apart from historical trends and business opportunities were explained to the participants through lectures and virtual demonstrations.



28th Annual General Meeting of ICFRE Society

- IFGTB, Coimbatore conducted one day training programme on Women empowerment through capacity building on development of Tree Rich Biobooster (TRB) an organic waste based bioproduct to tribal WSHGs to the Irular tribes on 22 April 2022.



FRI, Dehradun organized one day Interactive Talk on Role of Beneficial Insects in Environment

- IFGTB, Coimbatore organized Agriculture inputs and organic farming on 27 April 2022 for the staff members of Tamil Nadu State Rural Livelihood Mission at IFGTB, Coimbatore.



IFGTB, Coimbatore conducted one day training programme on Women empowerment

- AFRI, Jodhpur celebrated Dr. B. R. Ambedkar jayanti on 14 April 2022.
- TFRI, Jabalpur organized two days training program on Bamboo: conservation and management from 5 to 6 April 2022 group of officials of Soil and water conservation department under Foundation of MSME Cluster (FMC), Meghalaya attended the programme.

- HFRI, Shimla organized awareness programme on diversity and conservation of medicinal plants in Himalayan region on 21 April 2022 for the villagers of Moolkoti Panchayat, Mashobra, District, Shimla (HP).
- IFP, Ranchi organised a seminar/training programme on the topic Production of Organic Manure for Livelihood Generation on 29 April 2022.



TFRI, Jabalpur organized two days training program on Bamboo: conservation and management



IFP, Ranchi organised a seminar/training programme on Production of Organic Manure for Livelihood Generation

- RFRI, Jorhat organized a training on Bamboo and Agarwood Cultivation at Silchar in association with Cachar Forest Division under Van Vigyan Kendras, Assam on 25 April 2022. Farmers, Frontline workers, JFMC members and NGO members participated in the training.
- RFRI, Jorhat organized Bamboo and Agarwood Cultivation at Haflong in association with Dima Hasao Forest Department under VVK, Assam on 26 April 2022. Farmers, Frontline workers, JFMC members and NGO members attended the event.



RFRI, Jorhat organized training programme on Bamboo and Agarwood Cultivation

- IFB, Hyderabad organized a lecture on World Health Day on Importance of health and Wellness of an individual in personal, social and occupational life on 08 April 2022.
- IFB, Hyderabad organized a lecture on Civil Service Day on Historical evaluation, Importance objective and role of civil servant in democracy on 16 April 2022.
- World Earth Day celebrated on 22 April 2022 on the theme Invest in our planet by FRI, IFGTB, IWST, TFRI, IFP, and FRCER, Prayagraj.



TFRI, Jabalpur organized World Earth Day by conducting quiz and paint competition



शु.व.अ.सं., जोधपुर ने विश्व पृथ्वी दिवस, Invest in our planet की थीम के साथ मनाया



IFGTB, Coimbatore celebrated World Earth Day



FRCER, Prayagraj conducted a debate competition on World Earth Day

Significant Research Findings

Forest Research Institute, Dehradun

- Seeds of *Albizia lebbeck* and *Acacia catechu* were desiccated to safe moisture level and kept in 5°C storage for long term storage. Seeds samples of 8 species with 9 accessions were deposited at gene bank of ICAR- NBPGR.
- A draft manual was prepared on Nursery Techniques for 30 Tree species listed by Odisha State Forest Department for development of standard operation procedures of Developing quality planting material.
- Total phenolics contents (TPCs) and *in vitro* antioxidant capacity of 25% aqueous methanol extract isolated from the

peels of *Punica granatum* were determined, using Folin Ciocalteu method and DPPH free radical scavenging assay, respectively. Antioxidant capacity of the extract was found comparable to that of the standard antioxidant ascorbic acid which could be attribute to its TPCs.

- Establishment of Vegetative Multiplication Garden of *Dalbergia sisoo* in FRI, Dehradun and Meerpur, Haryana for multiplication of disease resistant clones.

Institute of Forest Genetics and Tree Breeding, Coimbatore

- A natural-handmade soap "ICFRE- Red sandal soap" in four flavours viz. sandal, jasmine, tulsi and fragrant screw pine was

made using bark extract of red sanders *Pterocarpus santalinus* enriched with the bioactive compounds having antimicrobial, anti-inflammatory and anti-diabetic and antioxidant activities and Marotti (*Hydnocarpus pentandra*) seed oil (which is being used in the treatment of leprosy, Eczema and leukoderma) having 33% presumed active agent "Hydnocarpic acid" with antibiotic properties. The soap was released during the symposium on "Conserving Biodiversity of the Eastern Ghats: Challenges and way forward" & 3rd project review meeting organized by National Biodiversity Authority at Tirupathi, Andhra Pradesh.

- Identified 11 CPTs of *Pithecellobium dulce*, collected fruits and conducted fruit maturity studies standardized proximate analysis for fruit nutritional parameters.

Himalayan Forest Research Institute, Shimla

Trainings organized for local communities of Kalpa and Pooh Ranges of Kinnaur Forest Division for conservation and sustainable management of Chilgoza Forest. The trainings resulted in bringing attitudinal changes in 357 farmers of Pooh and Kalpa Forest Ranges of Kinnaur Forest Division to give up destructive harvesting practices. The locals also assured to use Multi angular long reach pruners for cone harvesting and also to retain few cones on trees during harvesting period which would definitely contribute in improving natural regeneration.

Institute of Forestry Productivity, Ranchi

- Documented more than 30 species of plants from 23 divisions of West Bengal, Jharkhand and Bihar.
- Introduced 4 new bamboo species viz. *Gigantochloa minor amoenus*, *Bambusa chungii*, *Sheranji makla* and *Githa bamboo*.
- 30 new occurrence data of major invasive species have been recorded.
- 20 Lepidopteran(Moths) insects and 10 species of 30 fungi have been identified in permanent sample plot laid at Harbul, Bundu, Jharkhand for observing Climate driven effects on Indian Forests through long term monitoring.

Tropical Forest Research Institute, Jabalpur

- Establishment of Cold storage rooms (5°C & -20°C) for storage of tree seeds under FGR project.
- The study was carried out to investigate variability and natural regeneration of a near threatened *Pterocarpus marsupium*Roxb. (Bijasal) in Madhya Pradesh at seven

forest sites namely Sara, Birsa, Lamta, Barha, Chada, Bahoriband, and Semariya in tropical deciduous forests of Madhya Pradesh. It was observed that despite small population sizes, all the sampled populations showed high level of morpho-molecular diversity.

- Established a 10-ha permanent plot in Kanha Tiger Reserve, for long term ecological monitoring, biodiversity assessment, natural regeneration status, soil carbon stock, monitoring disease, pest and pollinators and phenological studies.

Consultancies

Indian Council of Forestry Research and Education, Dehradun

- ICFRE observations on enhancement of production capacity of Rama Iron ore mine (ML No. 009) of M/s. JSW Steel Limited and Ramandurga Iron Ore Mine (ML No. 2141) of M/s. Sri Kumaraswamy Mineral Exports Pvt. Ltd. (SKME) were submitted to CEC of Hon able Supreme Court of India.
- Draft report on the recommendations of additional physical measures for reclamation and rehabilitation of Jambunathahalli iron ore mine (ML No. 1659) was submitted to M/s. KSMCL.

Tropical Forest Research Institute, Jabalpur

- Concluded five years monitoring of NTPC accelerated plantations in 107 land parcels of Madhya Pradesh and Maharashtra through 372 permanent and 212 temporary quadrats. In M.P., the average survival percentage of saplings was found to be 83.52%, while in Maharashtra it was 78.42% after five years of plantation.
- Conducted floral and faunal survey for the pre-monsoon season in opencast coal mines of WCL at Umrer and Niljay, Nagpur.

Participation in Mela

RFRI, Jorhat participated in "Swaniyojan - A Step towards Self-employment" at Jorhat Court Field organized by Jorhat Administration, Assam and showcased the research and development activities of the institute. One session on Agriculture, Horticulture and Forest was moderated by a senior scientist and lecture was delivered on Forest based Self-employment Opportunities in Assam on 7 to 9 April 2022.

Workshops/Seminars/Meetings

S.No.	Topic	Duration	Beneficiaries
Forest Research Institute, Dehradun			
1.	Meeting on Resource Estimation, Quality Planting Material and Technologies for Enhancing Bamboo Propagation and Management	1 April 2022	-
2.	7 th meeting of State Technical Committee (STC) under SECURE Himalaya Project Uttarakhand	11 April 2022	-
3.	Meeting to finalise the land for Seed Production Areas (SPA's)	14 to 16 April 2022	Scientists and IFFCO
4.	Seminar on Standards operating procedure on Seed Collection, handling and Testing	19 April 2022	Range Forest Officers, Dy. Range Forest Officers, ACFs and Forest Guards
5.	Seminar on brief activities of the Institute/ organization to the students	22 April 2022	B.Sc. Hons (Horti.) students of Adhiparasakthi Horticultural College, G.B. Nagar, Kalavia, Ranipet (Vellore) of Tamil Nadu Agricultural University
Himalayan Forest Research Institute, Shimla			
6.	Seminar on Forest Fire, its Management and Utilization of the needles of Chirpine	29 April 2022	Scientists, Technical staff and Research staff
Arid Forest Research Institute, Jodhpur			
7.	Seminar on Exploring Phytochemical Diversity of Tree and Medicinal Plant Species for their Sustainable Utilization	29 April 2022	Technical Officers and Scientists

Rain Forest Research Institute, Jorhat

8.	Seminar on Pine Resin Extraction by Bore-hole Method and Economic Importance of Pine Resin	29 April 2022	The GCR, all HoDs, Officers, Supporting Staff, Research Fellows and students of the Institute
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Tropical Forest Research Institute, Jabalpur

9.	Workshop on Application of Bio fertilizers in forestry	25 April 2022	Frontline staffs of M.P State Forest Department
10.	Workshop on Application of Bio fertilizers in forestry	27 April 2022	Frontline staffs of M.P State Forest Department

Training Programmes

S.No.	Topic	Duration	Beneficiaries
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Institute of Wood Science and Technology, Bengaluru

1.	Advances in Wood Production and Utilization	18 to 22 April 2022	In-service IFS officers nominated by MoEF&CC
2.	Sandalwood farming and management of its health	27 to 29 April 2022	Sandalwood Growers

Institute of Forestry Productivity, Ranchi

3.	Standard Operating Procedure (SOP) on Seed Collection, Handling and Testing	19 April 2022	SFD, Odhisa
4.	Dissertation-cum-training program	18 to 28 April 2022	Students of Guru Ghasidas University, Bilaspur (Chhattisgarh)
5.	Standard Operating Procedure (SOP) for the officials of Odisha State Forest Department	21 April 2022	SFD, Odhisa

6. Standard Operating Procedure (SOP) on Plus Tree Selection and Nursery Techniques 27 to 28 April 2022 SFD, Odhisa



IFP, Ranchi conducted Dissertation-cum-training program



IFP, Ranchi organized training on Standard Operating Procedure (SOP) on Plus Tree Selection and Nursery Techniques

Rain Forest Research Institute, Jorhat

7. Agarwood Cultivation & Artificial Inoculation 19 to 21 April 2022 -

Tropical Forest Research Institute, Jabalpur

8. Standard Operating Procedures for The Forestry Plantations 21 April 2022 Odisha Forest Department

9. Bamboo: conservation and management 5 to 6 April 2022 Officials of Soil and water conservation department under Foundation of MSME Cluster (FMC), Meghalaya state



RFRI, Jorhat conducted Skill development training on Agarwood Cultivation & Artificial Inoculation



TFRI, Jabalpur organized training programme on Bamboo: conservation and management

Prakriti Programmes

- Research and development activities of RFRI, Jorhat, Bamboo Cultivation, Propagation, Nursery Management, Value addition & Bamboo Preservation Techniques, Biotechnology and Tissue Culture, VPI Unit, Banh Bithika, Lac Cultivation, Botanical Garden, Orchidarium, Vermicomposting etc. on 27 April 2022 for Students of Meleng Provincialized High School, Jorhat.



Students of Meleng Provincialized High School, Jorhat visited RFRI, Jorhat

Awareness and Demonstration Programmes

Institute of Forest Genetics and Tree Breeding, Coimbatore

- Dr. A. Vijayaragavan, Scientist-F delivered a lecture on “Growing Trees outside Forests” to farmers on 217th monthly seminar conducted by Tamil nadu Forest Department on 6 April 2022.
- Smt. K. Shanthi, CTO, demonstrated vegetative propagation techniques to F.R.O. Trainee Officers batch-2021-2022, Kundal academy of development administration & management (forests) Kundal, sangli, Maharashtra on 19 April 2022 and to the trainees from CASFOS on 22 April 2022.
- Demonstrated the Bioprospecting division research activities to 100 students and 3 Professors of Dr. N. G. P. Arts and Science College, Coimbatore on 25 April 2022.
- Demonstrated the Bioprospecting division research activities to 36 post graduate students and 3 professors of Rani Anna Govt. College, Tirunelveli on 28 April 2022.

Institute of Forest Biodiversity, Hyderabad

- Shri Anant Shankar, IFS, DFO of Visakhapatnam visited FRCCE and discussed about the research projects on mangroves

taken up by the Centre in Visakhapatnam district, availability of land for experimental plantation of mangrove, funding from external agency like ONGC etc on 4 April 2022.

- Head FRCCE, along with scientist visited Steel Plant Authority, Visakhapatnam on 22 April 2022 and gave a presentation about the Centre and its research activities and also sought permission for using Steel Plant area of Appikonda village near the creek for mangrove experimental plantation.

Himalayan Forest Research Institute, Shimla

- Seventy students of B.Sc. Agricultural along with two faculty members of University of Agriculture Sciences, Riachur, Karnataka visited HFRI, Shimla on 18 April 2022. Dr. Swarnlata, Scientist-D informed them about “Research Achievements of HFRI” through power point presentation. Students were taken to different laboratories and Technology Demonstration Centre, where, respective in-charge explained the ongoing activities.
- B.Sc. Agricultural Final Year students (68 numbers) along with two faculty members of University of Agriculture Sciences, Riachur, Karnataka visited HFRI, Shimla on 20 April 2022. Dr. Swarnlata, Scientist-D informed them about “Research Achievements of HFRI” through power point presentation. Thereafter, students were taken to different laboratories and Technology Demonstration Centre, where, respective in-charge explained the ongoing activities.



B.Sc. Agricultural students along with two faculty members of University of Agriculture Sciences, Riachur, Karnataka visited HFRI, Shimla

Rain Forest Research Institute, Jorhat

- Research and development activities of RFRI, Jorhat on Bamboo Cultivation, Propagation, Nursery Management, Value addition & Bamboo Preservation Techniques, Biotechnology and Tissue Culture, VPI Unit, Banh Bithika, Lac Cultivation,

Botanical Garden, Orchidarium, Vermicomposting etc were presented to:

- PIAARA (Sivasagar Industry Association) on 1 April 2022.
- Trainees of Range Forest Officers from Karnataka Forest Academy on 1 April 2022.
- Students of Assam Rifles Public School, Jorhat on 1 April 2022
- B.Sc. Students (Horticulture) from College of Horticulture & Forestry Pasighat, Arunachal Pradesh on 1 April 2022.
- Trainees of Range Forest Officers from Karnataka Forest Academy on 23 April 2022.
- ➤ B.Sc. Students (Agri) from CAU, Pasighat, Arunachal Pradesh on 22 April 2022.

from 18 April 2022 to 21 April 2022 conducted at FRCSD, Chhindwara.



B.Sc forestry students of JNKVV, Jabalpur visited TFRI, Jabalpur



B. Sc. Students (Horticulture) from College of Horticulture & Forestry Pasighat, Arunachal Pradesh visited RFRI, Jorhat

Rajbhasha Activity

- IWST, Bengaluru organized Hindi Workshop for the Ministerial Staffs of IWST on 30 March 2022.
- IWST, Bengaluru participated in Rajbhasha meeting hosted by ICFRE on 21 April 2022. Dr. Rakesh Kumar, Scientist and Smt. S. Naveena, LDC attended the meeting on behalf of IWST.
- AFRI, Jodhpur celebrated organized Hindi Translation and Typing Workshop for Technicals and scientists on 28 April 2022.

Popularizing Forestry through All India Radio/Doordarshan

Programme Topic	Channel	Date
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Himalayan Forest Research Institute, Shimla

Rhododendron Conservation in Himachal Pradesh in context to global warming - Dr. Vaneet Jishtu, Scientist- 'E'	ETV	2 April 2022
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Trainees of Range Forest Officers from Karnataka Forest Academy visited RFRI, Jorhat

Tropical Forest Research Institute, Jabalpur

- Demonstrated Agroforestry model, Bambusetum, insectary, plant propagation, seed handling techniques to the group of B.Sc forestry students of JNKVV, Jabalpur on 13 April 2022.
- Demonstration of preparation method of Vermicompost, Jeevaamrut, Beejamrut and plant based biopesticides to the B.Sc (First year.) students of Danielson College, Chhindwara

Miscellaneous

- IFGTB, Coimbatore celebrated 131st Birth Anniversary of Dr. B. R. Ambedkar on 15 April 2022. The guest of Honour Shri. Pamaran, Tamil writer delivered a talk on Unique thoughts of Ambedkar during the function.

- Dr. C. Kunhikannan, Director, IFGTB presided as Chief Guest to Vivekanandha College of Arts and Science for Women (Autonomous) for the Convocation program held on 22 April 2022 and delivered the Graduation address and distributed the certificates to the students.
- Dr. C. Kunhikannan, Director, IFGTB, Dr. Modhumitha, Scientist G & Dr. C. Buvaneswaran, Scientist-G attended the 28th ICFRE Society meeting held on 28 April 2022 and presented a project proposal on Reintroduction of Native tree species in Afforestation and Agroforestry areas.
- Dr. N. Senthilkumar, Scientist F & Head CBP division attended World Intellectual Property Day 2022 observed at Bharathiar University, Coimbatore on 26 April 2022.
- IWST, Bengaluru celebrated 131st Birth Anniversary of Bharath Ratna Dr. B. R. Ambedkar on 26 April 2022. Officers, Staff and Students attended the program.
- हिमालयन वन अनुसंधान संस्थान, शिमला द्वारा दिनांक 27 अप्रैल 2022 को स्वच्छता अभियान का आयोजन किया गया, जिसमें संस्थान के सभी अधिकारियों, वैज्ञानिकों व कर्मचारियों ने भाग लिया व संस्थान तथा इसके आस.पास के जंगलों में साफ सफाई की।

HR News

Appointment (Deputation)

Name of Officer	Date
Smt. Anjana Suchita Tirkey, IFS (MP : 2010) DCF, IFP, Ranchi	19.04.2022

Retirements

Name of Officer	Date
Dr. Y.C Tripathi, Scientist – 'F', FRI, Dehradun	30.04.2022
Shri Prem Lal, Under Secretary, ICFRE (VRS)	11.04.2022

Repatriation

Name of Officer	Date
Shri Rampal Singh, HPFS, DCF, ICFRE, Dehradun	13.04.2022
Shri Raj Kumar Bajpai, IFS (JKH: 1994), ADG (Admin), ICFRE, Dehradun	13.04.2022

Promotion

Name of Officer	Date
Shri Surendra Singh Negi, FRI, Dehradun	13.04.2022
Shri Manoj Kumar Borah, RFRI, Jorhat	20.04.2022
Smt. Saroj Sisodia, AFRI, Jodhpur	13.04.2022

Patron:

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

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