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Indian Council of Forestry Research and Education

ICFRE NEWSLETTER

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Regional Research Conference

- Regional Research Conference (RRC) on “Forestry Research in Southern States of India with special focus on Agroforestry issues” jointly organized by IWST, Bengaluru and IFGTB, Coimbatore on 10 June 2022. Scientists, officers, farmers, scholars and other stakeholders attended the conference.
- Regional Research Conference (RRC) on “Status of forestry research with special reference to agroforestry in dry regions” jointly organized by AFRI, Jodhpur and TFRI, Jabalpur on 22 June 2022. Scientists, participants from Rajasthan, Gujarat, Dadar and Nagar Haveli, MP, Chhattisgarh and Maharashtra, subject matter experts, NGOs, farmers, forest departments, and technical officers attended the conference.
- Regional Research Conference (RRC) on “Forestry Research and Issues in Northern Region of India” jointly organized by HFRI, Shimla and FRI, Dehradun on 27 June 2022. DG, DDG, ICFRE and Director & GCR FRI, Dehradun, Representatives of SFDs from HP, Uttarakhand, Uttar Pradesh Haryana, Punjab, J&K, Ladakh, Delhi and Chandigarh UTs, Professors of Universities, NGOs, Scientists, Technical Officers, Panchayat representatives, farmers, tribal people and students attended the conference.



Regional Research Conference jointly organized by AFRI, Jodhpur and TFRI, Jabalpur



Regional Research Conference jointly organized by HFRI, Shimla and FRI, Dehradun



Azadi ka Amrit Mahotsav



- IFB, Hyderabad organized a lecture programme on the occasion of Telangana Formation Day on 2 June 2022.
- World Environment Day 2022 celebrated by ICFRE, Dehradun and all its institutes and Forest Research Center, Prayagraj on the theme “Only One Earth” on 5 June 2022 following events were organized:
 - FRI, Dehradun - Declamation contest.
 - IFGTB, Coimbatore - Plantation Programme.
 - IWST, Bengaluru - Poster and Elocution competition.
 - IFB, Hyderabad - Plantation Programme.
 - AFRI, Jodhpur - Human chain, Cleanliness drive and ‘Yog and Paryavaran ek Samanvay Karyakram’.
 - HFRI, Shimla - Slogan writing essay, Declamation contest and Plantation Programme.
- RFRI, Jorhat - Sapling Distribution, Plantation Programme and Drawing competition.
- TFRI, Jabalpur - Hands on training on: Recycle of Waste paper and Charcoal and Leaf Plate making.
- IFP, Ranchi - Webinar on Only One Earth.
- FRCCE, Ranchi - Plantation Drive near Mangamaripeta.
- FRC-ER, Prayagraj - Awareness campaign on cycle rally.
- HFRI, Shimla organized a programme on “Effects of rapid melting of Himalayan glaciers due to climate change” on 5 June 2022. Dr. Milap Chand Sharma, Professor J.N.U., New Delhi delivered a virtual lecture on “Effects of rapid melting of Himalayan glaciers due to climate change”.

WORLD ENVIRONMENT DAY 2022



FRCER, Prayagraj celebrated World Environment Day



FRI, Dehradun celebrated World Environment Day



IFGTB, Coimbatore celebrated World Environment Day



IFB, Hyderabad celebrated World Environment Day



IWST, Bengaluru celebrated World Environment Day



HFRI, Shimla celebrated World Environment Day



RFRI, Jorhat celebrated World Environment Day



TFRI, Jabalpur celebrated World Environment Day



- FRI, Dehradun organized training cum workshop on “Essential Oils, Perfumery & Aromatherapy” on 7 to 11 June 2022. Participants from different corners of India representing diverse fields have attended the programme.



FRI, Dehradun organized Training-Cum-Workshop on Essential Oils, Perfumery and Aromatherapy

- IFGTB, Coimbatore organized one-day stakeholders workshop on “Forestry research prioritization with special emphasis on Agroforestry” on 14 June 2022.



IFGTB, Coimbatore organized workshop on Forestry research prioritization with special emphasis on Agroforestry

- World Day to Combat Desertification and Drought was celebrated by AFRI, Jodhpur on 14 June 2022 and by FRI, Dehradun and Forest Research Centre for Eco-Rehabilitation, Prayagraj on 17 June 2022.



AFRI, Jodhpur celebrated World Day to Combat Desertification and Drought

- IFP, Ranchi organized a seminar on “Importance of Agroforestry and suitable species” on 15 June 2022.
- IFGTB, Coimbatore organized monthly seminar on “Population Genetics and its implications in FGR conservation” on 17 June 2022.



FR CER, Prayagraj celebrated World Day to Combat Desertification and Drought



FRI, Dehradun celebrated World Day to Combat Desertification and Drought



IFP, Ranchi organized a seminar on Importance of Agro-forestry and suitable species



- International Day of Yoga 2022 was celebrated by ICFRE, FRI, Dehradun, IFGTB, Coimbatore, IWST, Bengaluru, IFP, Ranchi,

IFB, Hyderabad, TFRI, Jabalpur, RFRI, Jorhat, HFRI, Shimla and AFRI, Jodhpur on 21 June.

INTERNATIONAL DAY OF YOGA 2022



ICFRE, Dehradun celebrated IDY 2022



FRI, Dehradun celebrated IDY 2022



IWST, Bengaluru celebrated IDY 2022



HFRI, Shimla celebrated IDY 2022



AFRI, Jodhpur celebrated IDY 2022



IFP, Ranchi celebrated IDY 2022



IFGTB, Coimbatore celebrated IDY 2022



TFRI, Jabalpur celebrated IDY 2022

- वन उत्पादकता संस्थान, रांची ने दिनांक 23 जून 2022 को लाह की खेती पर एक दिवसीय प्रशिक्षण का आयोजन किया। इस कार्यक्रम में किसानों, महिलाओं तथा युवाओं ने भाग लिया।
- IWST, Bengaluru conducted a webinar on “Fodder species for different agro-climatic zones of Karnataka” on 29 June 2022. The programme was attended by IWST employees and research staff.



वन उत्पादकता संस्थान, रांची ने लाह की खेती पर प्रशिक्षण का आयोजन किया

Significant Research Findings

Forest Research Institute, Dehradun

- DNA extraction from leaves of *Populus gamblei* was achieved and It was observed that the extraction buffer having CTAB + β -mercaptoethanol (1 μ L) + PVP (2%) gave the best results in extraction of DNA in *P. gamblei* as it yielded pure and high quality DNA suitable for further molecular analysis.
- Acute toxicity of the extract isolated from the peels of *Punica granatum* using 25% aqueous methanol was examined on Swiss albino mice using OECD 423 guidelines and the extract was found to be non toxic below 2000 mg /Kg of body weight of the animal and suitable for conducting *in vivo* biological studies.

Institute of Wood Science and Technology, Bengaluru

Standardized the ERT equipment for sandalwood by developing a linear regression model using actual and ERT heartwood data. Achieved a similarity of 90% with $R^2 = 0.95$. Plotted the graph of ERT heartwood data and resistance pattern for 32 plantations.

Institute of Forest Genetics and Tree Breeding, Coimbatore

- *In vitro* evaluation of antimicrobial, antioxidant, anti-inflammatory and anti-arthritic activity of the methanol extract of the medicinal plants viz. *Wrightia tinctoria* (leaf), *Cissus quadrangularis* (stem) and *Cinchona officinalis* (bark) plant samples revealed that the bark methanol extract of *C.officinalis* was more promising and the active ingredients present in its bark cited for the anti-arthritic activity. Hence, the bark extract of *C.officinalis* can be used in the development of therapeutic product
- Identified 16 high fruit yielding CPTs of *Aegle marmelos* from districts of Ramanathapuram, Dindugal, Thoothukudi, Tirunelveli, Sivagangai, collected fruits, proposed and

conducted germination studies. Recorded tree passport data & documented variations in fruit/seed parameters.

Institute of Forest Productivity, Ranchi

- Developed first time ETP plantation technique of *Melia dubia*. It will protect Melia plantation from grazing and other biotic pressure.
- Isolated genomic DNA of *Buchnanania cochinchinensis*, *Gmelina arborea*, *D. latifolia* and *Shorea robusta* for molecular characterization and genetic diversity study.

Consultancies

Indian Council of Forestry Research and Education, Dehradun

Works on the fifteen different ongoing scientific consultancy projects were carried out during the period. Field data collection for works to Biodiversity related studies wrt Chakla coal mine in Latehar, Jharkhand and EA-EPIR of CIL Mines of Lajkura and Belpahar OCP mines of MCL, Odisha respectively.

New proposals Submitted

- Environmental Audit of Ksumunda open cast coal mine was submitted to South Eastern Coalfield Limited (SECL), Ksumunda Area, Korba, Chhattisgarh.
- A bid document for "Estimation of Standing Biomass in eight units of NLCIL (Mine-MI, Mine-MIA, Mine-MII, Thermal units of TPS-IE, TPS-II, TPS-IIIE, NNTPS, TA in and around peripheral areas) approximately in an area of 20,000 hectares for 3 seasons and assess the measures to achieve carbon Neutrality was submitted to NLCIL, Neyveli, Cuddalore (Dt), Tamil Nadu".



Workshops/Seminars/Meetings

S.No.	Topic	Duration	Beneficiaries
Forest Research Institute, Dehradun			
1.	Seminar on “Agroforestry for wood production: Issues & Challenges”	10 June 2022	Scientists, officers, farmers, scholars and other stakeholders
Institute of Forest Genetics and Tree Breeding, Coimbatore			
2.	Review meeting on Glue Grant R&D projects	2 June 2022	Researchers from various research institutions
Himalayan Forest Research Institute, Shimla			
3.	Seminar on “Application of bio-fungicides in forestry: approaches and practices”	28 June 2022	Scientists, Technical staff and Research staff
Institute of Forest Biodiversity, Hyderabad			
4.	Seminar on "Intellectual Property Rights & Patent Laws in India"	24 June 2022	IFB Staff
Rain Forest Research Institute, Jorhat			
5.	3 rd Regional Research Conference	14 June 2022	Participants from different parts of the region, research fellows, scientists and participants of the institute.
6.	Seminar on High Altitude Wetlands and their Conservation Strategies	27 June 2022	All the employees and project staffs



HFRI, Shimla conducted Seminar on “Application of bio-fungicides in forestry: approaches and practices



RFRI, Jorhat conducted Seminar on High Altitude Wetlands and their Conservation Strategies



Training Programmes

S.No.	Topic	Duration	Beneficiaries
Forest Research Institute, Dehradun			
1.	“Understanding domain of IPR: A wholesome Perspective”	4 June 2022	Scientists, research scholars and students from FRI (Deemed to be University)
2.	“Addressing Disaster and Climate Change issues for safer Sustainable Hill Area Development”	22 to 24 June 2022	IFS Officers of states and other stakeholders.
Institute of Wood Science and Technology, Bengaluru			
3.	“Fodder species for different Agro-climatic zones of Karnataka”	29 June 2022	Scientists and Researchers
Himalayan Forest Research Institute, Shimla			
4.	Insect Pest Management in Forest nurseries, Plantation and Natural forest	6 to 10 June 2022	IFS Officers
Rain Forest Research Institute, Jorhat			
5.	Jigat Production and Agarbatti Making at Piyong and Pathar Gaon, Namsai, Arunachal Pradesh.	16 to 17 June 2022	All the employees and project staffs
6.	“Biological Control of Invasive Weeds in Meghalaya forests.”	23 June 2022	Forest Field Functionaries of SFDs of Meghalaya



HFRI, Shimla conducted training on Insect Pest Management in Forest nurseries, Plantation and Natural forest



RFRI, Jorhat conducted skill development training on Jigat Production and Agarbatti Making



Participation in Exhibition

IWST, Bengaluru participated in the India Wood Exhibition 2022 organized by NurnbergMesse India Pvt. Ltd on 2 to 6 June 2022 at International Exhibition Centre, Bengaluru. Director, GCR, Extension Officer, Scientists, Technical officers and students participated in the exhibition.

around us” was delivered to 89 students of ARB International School, Pollachi; of 5th Std on 10 June 2022.



IFGTB, Coimbatore conducted Prakriti Programme in order to create environmental awareness and conservation

Memorandum of Understanding

A Memorandum of Understanding (MoU) signed between J&K UT Forest Department and HFRI, Shimla .

Prakriti Programme

- HFRI, Shimla conducted the “Nature Awareness programme for School Children” at the Western Himalayan Temperate Arboretum on 4 June 2022. Total 110 participants including students and teachers of Government Senior Secondary School Baldeyan, Mashobra and Tutu under Shimla Block. Besides, research scholars from the Institute participated in the programme.



HFRI, Shimla conducted “Nature Awareness programme for School Children”

- IFGTB, Coimbatore conducted Prakriti Programme in order to create environmental awareness and conservation to school and college students. 53 School students from Kalvithunai Organization from Pachapalayam, Perur, Coimbatore; of 5th to 12th Std at Gass Forest Museum Students Edu Centre attended a lecture on “Conservation of Genetic Resources” and an offline lecture on “Medicinal products from plant

- IFGTB, Coimbatore celebrated “The international Lynx day” on 11 June 2022 for 194 school students of 9th and 10th std of AKR Academy CBSE, Tirupur.
- IFGTB, Coimbatore conducted A Student-Scientist Program-2022 (SSP-2022) involving 5 students of Bharathiya Vidya Bhavan Higher Secondary Schools, R.S.Puram, Coimbatore from 22 to 24 June 2022.
- A lecture was delivered to 11th standard students from Bhartiya Vidya Bhavan school on Climate change and the significance of LTEM plots in studying it on 23 June 2022 by IFGTB, Coimbatore.
- AFRI, Jodhpur staff visited Kendriya Vidhyalaya, Nagaur under Prakriti programme on 28 June 2022. A meeting with Sh. M.R. Gurjar, Principal, Sh. Chagan Lal, TGT & Sh. Deepa Ram Computer Instructor was held and they had a talk about the Prakriti program. During the visit a lecture on Environmental Awareness was delivered to 80 students of Class IX & X. A short documentary about AFRI was also shown to the students and teachers of the Kendriya Vidhyalaya.

Awareness and Demonstration Programmes

- TFRI, Jabalpur organized a demo on Charcoal and paper plate making to TFRI staff, the students of KV, and DPS Schools on the occasion of World Environment Day on 5 June 2022. Total 30 participants including TFRI staff and the students of KV, and DPS Schools participated in the programme.



- IFGTB, Coimbatore conducted offline programme to 31 college students of PPG College of Optometry on “World day to combat desertification and drought day” on 17 June 2022.
- About 43 Range Forest Officer trainees from Tamil Nadu Forest Academy, Coimbatore visited the laboratories, plant nursery, wood workshops, Xylarium, AWTC and Museum of IWST, Bengaluru on 20 June 2022.

Popularizing Forestry through All India Radio/Doordarshan

Radio Talk on Bamboo Charcoal in AIR, Dibrugarh was given by Dr. R.D Barthakur, CTO, Extension Division, RFRI, Jorhat on 29 June 2022

Rajbhasha Activities

- व.उ.सं., रांची ने दिनांक 17 जून 2022 को “कृषि वानिकी व्यवस्था का वर्गीकरण” पर हिन्दी कार्यशाला का आयोजन किया। वैज्ञानिकों, मुख्य तकनीकी अधिकारियों एवं अनुसंधान कर्मचारियों ने कार्यशाला में भाग लिया।



व.उ.सं., रांची द्वारा “कृषि वानिकी व्यवस्था का वर्गीकरण” पर हिन्दी कार्यशाला का आयोजन किया गया

- हि.व.अ.सं., शिमला ने दिनांक 28 जून 2022 को राजभाषा हिन्दी का इतिहास, इसकी महत्ता, मासिक प्रगति रिपोर्ट एवं टिप्पण लेखन तथा केन्द्र सरकार के कार्यालयों में इसके कार्यान्वयन के बारे में कार्यशाला का आयोजन किया। संस्थान के अधिकारी, कर्मचारी एवं तकनीकी अधिकारियों ने कार्यशाला में भाग लिया।
- व.जै.सं., हैदराबाद ने दिनांक 28 जून 2022 को हिन्दी राजभाषा पर कार्यशाला का आयोजन किया।

Miscellaneous

दिनांक 29 जून 2022 को हिमालयन वन अनुसंधान संस्थान, शिमला द्वारा स्वच्छता अभियान कार्यक्रम का आयोजन किया गया।

- The team of Forest Research Centre for Coastal Ecosystem (FRCCE), Vishkapatnam planted 142 true mangroves and associates at Appikonda beach area.
- The importance of herbarium and Botanical garden in the conservation of plant species was discussed with the students of Bharatiya Vidya Bhavan Matriculation Higher Secondary School, R.S. Puram, Coimbatore during 22 to 24 June 2022.

HR News

Promotion

Name of Officer	Date
Shri Vivek Goyal, FRI, Dehradun	06.06.2022
Shri P. Sonowal, RFRI, Jorhat	09.06.2022
Smt. Deepa Kumar, ICFRE, HQ	09.06.2022
Shri Rajesh Chand Sharma, ICFRE, HQ	10.06.2022
Shri Veer Singh, FRI, Dehradun	10.06.2022

Repatriation

Name of Officer	Date
Shri Ashok Kumar, FRO, FRI, Dehradun	13.06.2022
Dr. S.S. Samanta, Director, HFRI, Shimla	17.06.2022
Dr. R.S.C. Jayaraj, IFS (AGMUT:87) Director, RFRI, Jorhat	30.06.2022

Retirements

Name of Officer	Date
Dr. Abha Rani, Scientist – 'F', IFB, Hyderabad	30.06.2022
Shri Dandeswar Dutta, Scientist – 'C', RFRI, Jorhat	30.06.2022

Resignation

Name of Officer	Date
Dr. Vinod Kumar, Scientist – 'B', IFB, Hyderabad	24.06.2022

Patron:

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

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