

Indian Council of Forestry Research and Education

ICFRE NEWSLETTER

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#Prakriti Mahakumbh

Smt. Kanchan Devi, Director General, ICFRE inaugurated seminar on "River Rejuvenation & Environment Amelioration through Forestry" on 18th February 2025 at # Prakriti Mahakumbh Forestry and Environment Awareness Camp organized by ICFRE-ERC, Prayagraj.



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Smt. Kanchan Devi, IFS, DG, ICFRE, Dehradun visited #Prakriti Mahakumbh Forestry and Environment Awareness Camp cum Exhibition of ICFRE-ERC, Prayagraj

MISSION LIFE

ICFRE-Forest Research Institute, Dehradun

 Plantation of 20 sapling of *Terminalia arjuna* were carried out by EIACP RP Division ICFRE-FRI, Dehradun under Ek_Ped_Maa_ke_Naam on 20th February 2025 at Bithmara Village, Haryana.



Plantation Activity carried out by ICFRE-FRI, Dehradun at Bithmara Village, Haryana

ICFRE-Himalayan Forest Research Institute, Shimla

ICFRE-HFRI, Shimla organized Awareness Programme on "Application of Bio-Fertilizers and Bio Pesticides" on 03rd, 13th & 17th February 2025 at Kendriya Vidyalaya Sangathan, Jakhoo, Hill, Shimla and Jawahar Navodaya Vidyalaya, Basohli. 480 students participated in the programme. They were made aware about Reduction of Single Use Plastic, Proper Disposal of Waste, Harmful Effects of Chemical Fertilizers and Pesticides on the Environment during the programme.





Awareness programme on "Application of Bio-Fertilizers and Biopesticides" by ICFRE-HFRI, Shimla

ICFRE-Institute of Forest Biodiversity, Hyderabad

 ICFRE-CEC, Visakhapatnam organized Awareness Programme on 19th February 2025 on the topic Reducing e-waste and Adopting Healthy lifestyles. 57 Forest Section Officers and Forest Beat Officers from Andhra Pradesh State Forest Academy, Rajamahendravaram participated in the programme.



ICFRE-CEC, Visakhapatnam organized Awareness Programme at Andhra Pradesh State Forest Academy, Rajamahendravaram

 ICFRE-IFB, Hyderabad organized awareness programme on "Save Energy, Reduce E-Waste and Say No to Single Use Plastic" on 19th February 2025 at public place of Dulapally and Gandi Maisamma, Hyderabad.







ICFRE-IFB, Hyderabad organized Awareness Programme for sensitization of general public of Dulapally and Gandi Maisamma, Hyderabad

SIGNIFICANT RESEARCH FINDINGS

ICFRE-Forest Research Institute, Dehradun

- Assessment of Species Diversity of Heterocera (moths) across the Shiwalik Landscape of Northern India and Development of a Database.- A one week late winterearly spring field survey (16-23 Feb.2025) was carried out across 5 locations in Shiwaliks of Uttarakhand . Data was collected on moths using CFL Lamp on moth screen at night. A total of 20 species of moths were recorded. Data was also collected on Temperature and Relative Humidity, GPS Coordinates and Vegetation of sites. The total number species in the database now around 409 species belonging to 22 families.
- A quantitative analysis of 14 marker compounds, including 20-hydroxyecdysone, govanoside D, govanoside B, govanoside C, clintonioside B, helonioside B, protodioscin, govanoside F, pregnachaco trioside, pennogenin tetraglycoside, pennogenin triglycoside, pennogenin diglycoside, dioscin, and prosapogenin B, in *Trillium govanianum* grown in Uttarakhand was performed by using a UHPLC system (SHIMADZU NEXERA X-2 LC-30 AD, Shimadzu, Kyoto, Japan)

coupled with an ELSD Detector (Softa Model 300S). Dioscin was identified as the major compound, with concentrations (mg/g) ranging from 55.62 ± 3.04 to 245.54 ± 10.08 .

Fatty oil was extracted and isolated from the seeds of Corvlus jacquemontii Decne (hazelnut), collected from Bambal (Chamba) and Cherry, (Chamba), Himachal Pradesh, using the Soxhlet extraction method. The yields were determined to be 76.66 ± 0.47 (w/w) and 69.33 ± 0.47 (w/w) for the respective locations. Fatty acid methyl esters (FAMEs) were then prepared and analyzed using the GC-MS technique. A total of four compounds were identified: palmitic acid methyl ester (7.40%), stearic acid methyl ester (3.10%), oleic acid methyl ester (70.53%), and linoleic acid methyl ester (18.97%) in the Bambal sample; and palmitic acid methyl ester (6.76%), stearic acid methyl ester (2.33 %), oleic acid methyl ester (71.96 %), and linoleic acid methyl ester (18.95 %) in the Cherry sample.

ICFRE-Institute of Forest Genetics and Tree Breeding, <u>Coimbatore</u>

• ICFRE-IFGTB has raised a block plantation of *Gmelina arborea* with 63 open pollinated families collected from diverse regions of the country based on the phenotypic superiority. Evaluation of field performance revealed wide variations among the genetic resources. Superior growth performance was recorded in the progenies collected from Seedling Seed Orchards of Panampally, Pudukottai, Yercaud and Pannaikadu. The height varied from 2.5 to 7.5 m with a GBH of 14 to 78cm. The straightness rank a major feature for timber varied from 2 to 5.

CONSULTANCIES

New consultancy project awarded:-

• Third party auditing (2nd & 3rd Audit) of compliance status of environment clearance conditions of Gayatri UG Mine of M/s SECL, Bishrampur Area.



WORKSHOPS/SEMINARS/MEETINGS

INDIAN COUNCIL OF FORESTRY RESEARCH & EDUCATION

1. 25th Research Policy Committee Meeting 24th to 25th February 2025 More then 70 participants including DDG's, ADG's, Scientists and officers of ICFRE



25th Research Policy Committee Meeting organized by ICFRE, Dehradun

INDIAN COUNCIL OF FORESTRY RESEARCH & EDUCATION

2.	Microbial Biopesticides- Nature's Assest	25 th February 2025	35 participants including Scientists and Researchers of ICFRE-HFRI, Shimla		
	ICFRE-INSTITUTE OF FOREST BIODIVERSITY, HYDERABAD				
3.	Environmental Initiatives and Biodiversity Studies in Telangana	19 th February 2025	25 participants including Scientists, Researchers and Officers of ICFRE-IFB, Hyderabad		
	ICFRE-INSTITUTE OF FOREST PRODUCTIVITY, RANCHI				
4.	Achieving Land degradation Neutrality at Jharkhand: A comprehensive Roadmap	20 th to 21 st February 2025	100 participants including Forest officers from Jharkhand, Scientist, Researchers and Technical officers from different universities of Jharkhand and ICFRE-IFP, Ranchi		
5.	"DPR for rejuvenation of Subarnarekha and Damodar rivers through forestry interventions" and "Pre-release Stakeholder's Consultation meeting on Forest Soil Health Cards of West Bengal"	28 th February 2025	16 participants including Scientists, technical staff and Researcher from SFD West Bengal and ICFRE-IFP, Ranchi		







Workshop on Achieving Land degradation Neutrality at Jharkhand: A comprehensive Roadmap by ICFRE-IFP, Ranchi

ICFRE- HIMALAYAN FOREST RESEARCH INSTITUTE, SHIMLA

6. Capacity building on establishment of modern nursery and use of mycorrhizal biotechnology on planting stock production 20th February 2025

43 Officers from Himachal Pradesh Forest Department



Workshop on Capacity building on establishment of modern nursery and use of mycorrhizal biotechnology on planting stock production by ICFRE-HFRI, Shimla

ICFRE-INSTITUTE OF FOREST GENETICS AND TREE BREEDING, COIMBATORE

7. Consultative meeting with NIRANTAR verticals

21st February 2025

50 officers from BSI, Coimbatore; ZSI, Southern Region, Chennai; NBA, Chennai; WII, Southern Region, Coimbatore and National Centre for Sustainable Coastal Management, Chennai





Training on "Rehabilitation of Degraded Land" by ICFRE, Dehradun

ICFRE-FOREST RESEARCH INSTITUTE, DEHRADUN

2. Best Practices for Effective Management of Invasive Alien Plants 10th to14th February 2025

20 officers from Rajaji National Park, Chilla



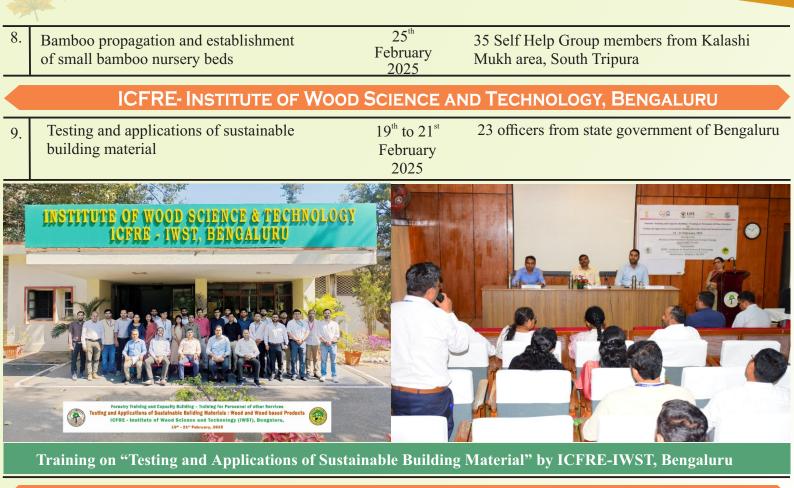
Training on "Best Practices for Effective Management of Invasive Alien Plants" by ICFRE-FRI, Dehradun





	ICFRE- TROPICAL FORE	ST RESEARCH	I INSTITUTE, JABALPUR			
3.	Agroforestry and farmers livelihood: Issues and solutions for different states	03 rd to 07 th February 2025	15 IFS Officers from Uttarakhand, Uttar Pradesh, Himachal Pradesh, Odisha, Maharashtra and Andaman & Nicobar			
4.	Quality Planting Material Production & Agroforestry for livelihood security	10 th to 14 th February 2025	18 participants including DCF, ACF and FRO from Gujarat Forest Department			
	raining on "Agroforestry and farmers livelihoo Isues and solutions for different states"	od:	g on "Quality Planting Material Production & Agroforestry for livelihood security" by ICFRE-TFRI, Jabalpur			
5.	by ICFRE-TFRI, Jabalpur Research Methodology	17 th to 18 th February 2025	25 Forest Officers from Maharashtra Forest Department			
6.	Plant tissue culture for production of quality planting material of Bamboos	19 th to 21 st February 2025	25 Forest Officers from Maharashtra Forest Department			
	ICFRE- RAIN FOREST RE	ESEARCH INS	TITUTE, JORHAT			
7.	Bamboo Resource Development for addressing livelihood concerns of the communities		24 officers from Agriculture, Fisheries, Soil Conservation, Tourism Departments ,Universities and Research Institutes			
	Training on "Bamboo Resource Development for addressing livelihood concerns of the communities" by ICFRE-RFRI, Jorhat					





ICFRE- INSTITUTE OF FOREST BIODIVERSITY, HYDERABAD

10.	Plant Volatiles in Insect Pest Management	18 th February 2025	32 Forest Section Officers from Telangana State Forest Academy
11.	Scientific Harvesting and processing of NTFPs	21 st February 2025	34 participants of NTFP Collectors from Hyderabad



Training on "Plant Volatiles in Insect Pest Management" by ICFRE-IFB, Hyderabad



Training on "Scientific Harvesting and processing of NTFPs" by ICFRE-IFB, Hyderabad





ICFRE-INSTITUTE OF FOREST GENETICS AND TREE BREEDING, COIMBATORE

12. Agroforestry Models – Establishment and Management (Six Trainings)

04th,06th,13th,18th, 25th &27th February 2025 300 participants from Tamil Nadu Forest Department

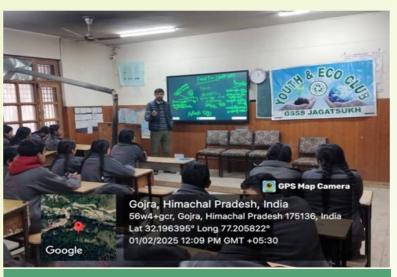


Training on "Agroforestry Models – Establishment and Management" by ICFRE-IFGTB, Coimbatore

ACTIVITIES UNDER VAN VIGYAN KENDRA

ICFRE-Himalayan Forest Research Institute, Shimla

 54 students along with teachers from Government Senior Secondary School, Jagatsukh participated in educational programme on 01st February 2025 organized by VVK, Jagatsukh, Manali at GSSS, Jagatsukh. They were made aware about Environmental Protection during the programme.



VVK, Jagatsukh organized "Educational Programme" at Government Senior Secondary School, Jagatsukh

MEMORANDUM OF UNDERSTANDING

ICFRE-IFB, Hyderabad signed MoU with ITC Limited Agri Business Division-ILTD, Guntur on 28th February 2025 for Tobacco Barn Construction and Curing in Andhra Pradesh and Telangana.

PRAKRITI PROGRAMME

ICFRE-Forest Research Institute, Dehradun

ICFRE-FRI, Dehradun organized "Paper Making Technology programme on 21st February 2025. 21 students from Bhawani Balika Inter College, Ballupur, Dehradun participated in programme.



ICFRE- FRI organized "Paper Making Technology Programme" at ICFRE-FRI, Dehradun



ICFRE-Institute of Forest Genetics & Tree Breeding, Coimbatore

292 students along with teachers from M.S. Vidyalaya Matric Higher Secondary School and Corporation Primary School, Ramalingam Calony, Coimbatore visited Gass Forest Museum of ICFRE-IFGTB, Coimbatore on 21st February 2025. They were made aware about various research activities of the institute.



Students from Corporation Primary School, Ramalingam Calony, Coimbatore visited ICFRE-IFGTB Coimbatore



Students from M.S. Vidyalaya Matric Higher Secondary School, Coimbatore visited ICFRE-IFGTB, Coimbatore

ICFRE-Tropical Forest Research Institute, Jabalpur

84 students along with teachers from Kendriya Vidyalaya, Jabalpur visited ICFRE-TFRI, Jabalpur on 11th February 2025. They were briefed about various activities of institute.



Students from Kendriya Vidyalaya, Jabalpur visited ICFRE-TFRI, Jabalpur

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ICFRE-Institute of Forest Biodiversity, Hyderabad

88 students along with teachers from Kendriya Vidyalaya Sangathan, AFS, Begumpet, Hyderabad, Telangana visited ICFRE-IFB, Hyderabad on 03rd February 2025.



Students from Kendriya Vidyalaya Sangathan, AFS, Begumpet, Hyderabad, Telangana visited ICFRE-IFB, Hyderabad

ICFRE-Rain Forest Research Institute, Jorhat

544 students along with teachers from Teok Rajabari H.S. School, Jorhat, Teok Rajabari Nilamoni Phookan Girls High School, Jorhat, Sakai Khongia High School, Jorhat, Malow Khat Higher Secondary School, Jorhat, Titabar Girls' Residential Special Training Centre, Jorhat Boys' Residential Special Training Centre, Titaram Bordoloi High School, Dahotia Girls' High School, Dohotia H S School, Jorhat and SPV Girls School, Jorhat visited Bambusetum, Bamboo Nursery, Botanical Garden, Insectarium, Bamboo Composite Centre at ICFRE-RFRI, Jorhat on 10th, 11th, 12th, 13th & 14th February 2025.



Students from Titabar Girls & Boys Residential Special Training Centre visited ICFRE-RFRI, Jorhat





Students from Sakai Khongia High School, Jorhat visited ICFRE-RFRI, Jorhat

ICFRE-Himalayan Forest Research Institute, Shimla

150 students along with teachers participated in Educational Programme organized by ICFRE-HFRI, Shimla on 20th February 2025 at Girls Senior Secondary School, Mandi, Himachal Pradesh. They were briefed about Insecticide Pollution, Insect pests and Mitigation strategies during the programme.



ICFRE-HFRI,Shimla organized "Educational Programme" at Girls Senior Secondary School, Mandi (HP)

Awareness and Demonstration Programme

ICFRE- Institute of Wood Science and Technology, Bengaluru

 124 students along with faculties from St. Joseph University, Bengaluru, SJR College and Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences visited Xylarium, Wood Museum, Woodworkshop, Wood Anatomy Lab, AWTC & TDC of ICFRE-IWST on 17th, 27th & 30th February 2025.



Visit of students from Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences to ICFRE-IWST, Bengaluru

38 RFO trainees from Uttarakhand Forestry Training Academy, Haldwani, Nanital visited ICFRE-IWST, Bengaluru on 05th February 2025.



RFO from Uttarakhand Forestry Training Academy, Haldwani, Nanital visited ICFRE-IWST, Bengaluru

ICFRE- Institute of Forest Genetics & Tree Breeding, Coimbatore

100 students along with faculty from Vivekanandha College, Namakkal visited ICFRE-IFGTB, Coimbatore on 13th & 21st February 2025. They were briefed about establishment of VMG, collection of cutting from mother bed chambers, vegetative multiplication garden and coppice shoots.







Visit of students from Vivekanandha College, Namakkal to ICFRE-IFGTB, Coimbatore

28 officers from CASFOS, Dehradun visited ICFRE-IFGTB, Coimbatore on 20th February 2025. Lecture on Tissue Culture techniques were also delivered to them.



Officers from CASFOS, Dehradun visited ICFRE-IFGTB, Coimbatore

ICFRE-Institute of Forest Biodiversity, Hyderabad

 50 students from Forest College and Research Institute, Mulugu, Telangana visited ICFRE-IFB, Hyderabad on 14th February 2025. They were briefed about various research activities of the institute.

ICFRE-Institute of Forest Productivity, Ranchi

 ICFRE-IFP, Ranchi organized Educational Tour programme for Gossner College, Ranchi on 03rd February 2025. 60 participants including students and faculties participated in the programme Lecture on ongoing research in Genetics and Tree Breeding delivered to students.



Students from Gossner College, Ranchi visited ICFRE-IFP, Ranchi

ICFRE- Tropical Forest Research Institute, Jabalpur

216 students along with faculties from MD College, Parel, Mumbai, Shri Ram College, Jabalpur, Ajax Paramedical College, Neemkheda and PG College, Chhindwara visited ICFRE-TFRI, Jabalpur on 5th,6th, 7th,11th,13th & 17th February 2025. Lecture on Air Layering, Budding and Preparation of Soil Sand and FYM ratio delivered to students.



Students from MD College, Parel, Mumbai and Shri Ram College, Jabalpur visited ICFRE-TFRI, Jabalpur

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ICFRE-Himalayan Forest Research Institute, Shimla

21 students along with faculties from Srishti Manipal Institute of Arts, Designs and Technology, Bengaluru visited ICFRE-HFRI, Shimla on 21stFebruary 2025.



Visit of students from Srishti Manipal Institute of Arts, Designs and Technology, Bengaluru to ICFRE-HFRI, Shimla

ICFRE-Rain Forest Research Institute, Jorhat

A group of 9 Doctors and Health Workers from Seva Bharati, Northeast and National Medicos Organization visited ICFRE-RFRI, Jorhat on 04th February 2025.



Doctors and Health Workers from Seva Bharati, Northeast and National Medicos Organization visited ICFRE-RFRI, Jorhat

63 students from FGI, college of Agricultural Science, Hengbung, Manipur and Ayush Pharmacy Institute of Sri Sri Dakhinpat Satra, Saroi, Jorhat visited ICFRE-RFRI, Jorhat on 10th & 19th February 2025. They were briefed about various species of Bamboo and research & development activities of institute.



Visit of students from FGI, college of Agricultural Science, Hengbung, Manipur to ICFRE-RFRI, Jorhat



Students from Ayush Pharmacy Institute of Sri Sri Dakhinpat Satra, Saroi, Jorhat visited ICFRE-RFRI, Jorhat

PARTICIPATION IN EXHIBITION

ICFRE-IWST, Bengaluru participated and installed display in "Matecia Building Materials Exhibition" organized by Bangalore International Exhibition Centre from 21st to 23rd February 2025 and showcased various Wood Technologies and products developed by ICFRE-IWST, Bengaluru.







Stall by ICFRE-IWST, Bengaluru in "Matecia Building Materials Exhibition" at BIEC, Bengaluru

ICFRE-TFRI, Jabalpur participated and showcasing its exhibition in "Kisan Mela 2025" organized by ICAR-Directorate of Weed Research, Jabalpur on 18th February 2025.



Stall by ICFRE-TFRI, Jabalpur in "Kisan Mela-2025" at ICAR- Directorate of Weed Research, Jabalpur

- ICFRE-IFP, Ranchi participated and showcasing its exhibition in "Agrotech Kisan Mela 2025" organized by Birsa Agriculture University, Kanke, Ranchi from 08th to 10th February 2025.
- ICFRE-IFP, Ranchi participated and showcasing its exhibition in "Agriculture Fair & Exhibition- 2025" organized by ICAR-National Institute of Secondary Agriculture, Namkum, Ranchi from 20th to 21st February 2025.



Stall by ICFRE-IFP, Ranchi in "Agriculture Fair & Exhibition-2025" at ICAR- NISA, Namkum campus, Ranchi

ICFRE-IFP, Ranchi participated and showcasing its exhibition in "Co-Operative Convention-Cum-Exhibition and inauguration of C-PARC (JHAMFCOFED)" organized by JHAMFCOFED, Ranchi, Jharkhand on 22nd February 2025 and showcased various activities of institute.



Stall by ICFRE-IFP, Ranchi in "Co-Operative Convention-Cum-Exhibition and inauguration of C-PARC (JHAMFCOFED)" at JHAMFCOFED, Ranchi, Jharkhand

VISIT TO INSTITUTES

Smt. Kanchan Devi, IFS, DG, ICFRE, Dehradun visited Bio-Diverse Nursery of ICFRE-HFRI, Shimla from 20th to 22nd February 2024.She also reviewed Development of Model Nursery and Production of Quality Planting material of the institute.





Smt. Kanchan Devi, IFS,DG,ICFRE, Dehradun visited Bio-Diverse Nursery of ICFRE-HFRI, Shimla

Shri Loken Das, Chief General Manager, NABARD, Guwahati along with Shri Mantu Das, DDM, NABARD, Jorhat visited ICFRE-RFRI, Jorhat on 12th February 2025. They discussed issue related to Climate Change, Carbon Sequestration and long term project on Bamboo under Tribal Department projects.



Visit of Shri Loken Das, Chief General Manager, NABARD, Guwahati along with Shri Mantu Das, DDM, NABARD visited ICFRE-RFRI, Jorhat

RAJBHASHA ACTIVITY

ICFRE-RFRI, Jorhat was awarded 1st prize for excellent performance in Hindi Rajbhasha by Nagar Rajbhasha Karyanvayan Samiti, Jorhat during the year 2023-24 on 06th February 2025.



ICFRE NEWSLETTER

ICFRE-RFRI, Jorhat was awarded 1 prize for excellent performance in Hindi Rajbhasha

MISCELLANEOUS

World Radio Day

ICFRE-RFRI, Jorhat and Akashvani, Jorhat jointly celebrated World Radio Day on 13th February 2025.



World Radio Day was celebrated by ICFRE-RFRI, Jorhat and Akashvani, Jorhat

National Science Day

ICFRE-IFB, Hyderabad celebrated National Science Day on 28th February 2025.







National Science Day was celebrated by ICFRE-IFB, Hyderabad

MISCELLANEOUS

RETIREMENT

Name of Officer	Date
Shri C.M. Nagarajamurthy, Librarian, ICFRE-IFGTB, Coimbatore	28.02.2025
PROMOTION	
Name of Officer	Date
Shri Vinay Chandran, Personal Secretary, ICFRE-IFGTB, Coimbatore	12.02.2025
Shri M.R. Vijyan, Personal Secretary, ICFRE-IWST, Bengaluru	13.02.2025
Shri Partho Samddar, Personal Secretary, ICFRE-IWST, Bengaluru	13.02.2025

Patron:

Smt. Kanchan Devi, IFS, Director General, ICFRE, Dehradun

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