



Indian Council of
Forestry Research
and Education

ICFRE NEWSLETTER



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Visit of Parliamentary Consultative Committee

- Parliamentary Consultative Committee headed by Shri Bhupender Yadav, Hon'ble Minister for Environment, Forest and Climate Change along with Shri Kirti Vardhan Singh, Hon'ble Minister of State, EF & CC and Hon'ble MPs visited the ICFRE-IFGTB, Coimbatore on 23.01.2025.



Parliamentary Consultative Committee visited
ICFRE-IFGTB, Coimbatore

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Review Meeting

- Shri Tanmay Kumar, IAS, Secretary, MoEF&CC reviewed the activities of ICFRE, its institutes and Centre of Excellence on Sustainable Land Management in presence of AS&FA, ADG(WL), DIG(RT), DG, ICFRE, DDG's, Directors of ICFRE Institutes and ADG's on 08th January 2025.



Review Meeting at ICFRE (HQ), Dehradun

76th Republic Day

- 76th Republic Day was celebrated on 26th January 2025 by ICFRE(HQ), its Institutes & Centers.



Mission LiFE

ICFRE-Institute of Wood Science and Technology, Bengaluru

- ICFRE-IWST, Bengaluru organized awareness programme on “Liver Clinic Fibroscan Camp” conducted by Zydus Health Care Ltd. on 31st January 2025. 150 participants including Scientists, students and officers of ICFRE-IWST, Bengaluru participated in the programme.

ICFRE-Himalayan Forest Research Institute, Shimla

- 61 students along with faculties from College of Forestry, Dapoli, Maharashtra and College of Forestry, Ranichauri, Tehri Garhwal, Uttarakhand visited ICFRE-HFRI, Shimla on 17th January 2025. They were made aware about Mission LiFE activities.



Visit of students from College of Forestry, Dapoli, Maharashtra at ICFRE-HFRI, Shimla



Visit of students from College of Forestry, Ranichauri, Tehri Garhwal, Uttarakhand at ICFRE-HFRI, Shimla

Significant Research Finding

ICFRE-Forest Research Institute, Dehradun

- Assessment of Species Diversity of Heterocera (moths) across the Shiwalik Landscape of Northern India was carried out and Database- was developed. Data was compiled and analysed using PCA on relative abundances of 407 species of moths in 6 forest Sub-types from 6 north Indian States.
- The quantitative chemical composition of essential oil isolated from *Skimmia laureola* leaves collected from the Rudraprayag forest area of Uttarakhand was established with the aid of GC-FID using methyl octanoate as an internal standard. A total of 28 compounds were quantified, contributing 915.77 µg/mg to the oil. Monoterpenoids were the predominant constituents, accounting for 895.27 µg/mg with linalyl acetate (212.85 µg/mg), linalool (179.28 µg/mg), geijerene (111.97 µg/mg), β -phellandrene (109.81 µg/mg), α -terpineol (67.99 µg/mg), geranyl acetate (46.95 µg/mg), and β -myrcene (25.43 µg/mg) as the major compounds.
- UPLC-QTOF-MS/MS assisted chemical examination of the dye isolated from the waste peels of wild grown *Punica granatum* fruits detected 47 compounds. The fragmentation pathways of these molecules were established, and their identities were confirmed.
- Methyl esters of the fatty acids contained in the seed oils isolated from five chemically superior populations of *Xanthium strumarium* located in Panchmahal, Jodhpur, Sirohi, Surat, and Ajmer were prepared and analysed using Gas Chromatography-Mass Spectrometry. Four fatty acids, namely palmitic acid (11.54%–12.97%), stearic acid (1.77%–3.26%), oleic acid (14.20%–21.18%), and linoleic acid (62.66%–72.74%), were characterized across all samples. The oils were rich in unsaturated fatty acids, represented by oleic acid and linoleic acid.
- Essential oils were extracted from the shade-dried leaves of *Hyptis suaveolens* collected from three locations namely Maldevta, Budhhavan Forest Nursery area, and Aamwala Uparla. The essential oil obtained from Aamwala Uparla, displayed significant anti-inflammatory activity (IC₅₀ value, 35.41±0.01 µg/ml) in the bovine serum albumin denaturation assay.

Workshops/ Seminars/Meetings

ICFRE- Forest Research Institute, Dehradun

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| 01. | Potential of medicinal and aromatic plants under agroforestry | 21 st January 2025 | 100 participants including Officers, Scientists, Representative and Farmers from NGOs and SHGs |
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ICFRE- Institute of Wood Science and Technology, Bengaluru

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| 02. | From Concrete to Canopy: Urban Forestry for Greener Cities | 30 th January 2025 | Participants including Academicians, Forestry Professionals, Scientists, students and Stakeholders of Bengaluru |
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Workshop on Potential of Medicinal and Aromatic plants under agroforestry by ICFRE-FRI, Dehradun



Workshop on "From Concrete to Canopy: Urban Forestry for Greener Cities" by ICFRE-IWST, Bengaluru

ICFRE- Himalayan Forest Research Institute, Shimla

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| 03. | Past works and future strategies for breeding of <i>Cedrus deodara</i> | 31 st January 2025 | Participants including Scientists, Research scholars and Field Research staff of ICFRE-HFRI, Shimla |
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ICFRE- Institute of Forest Biodiversity, Hyderabad

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| 04. | Global biodiversity frameworks-target achievement process | 20 th to 22 nd January 2025 | 18 IFS officers from different state forest departments |
| 05. | Urban Forestry Models and Best Practices | 27 th to 31 st January 2025 | 16 IFS officers from different state forest departments |



Workshop on "Global biodiversity frameworks-target achievement process" by ICFRE-IFB, Hyderabad



Workshop on "Urban Forestry Models and Best Practices" by ICFRE-IFB, Hyderabad

ICFRE- Institute of Forest Productivity, Ranchi

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| 06. | Developing theme based green belt in and around Kodarma Thermal power Station township | 03 rd to 04 th January 2025 | Participants including Scientists, Research scholars and Field Research staff of ICFRE-IFP, Ranchi |
| 07. | Physiological Basis of Salinity and Water Stress Tolerance, Their Screening Protocol and Development of Tolerant Clones | 30 th January 2025 | 10 Participants including Scientists, Research scholars and Field Research staff of ICFRE-IFP, Ranchi |



Workshop on “Physiological Basis of Salinity and Water Stress Tolerance, Their Screening Protocol and Development of Tolerant Clones” by ICFRE-IFP, Ranchi

ICFRE- Rain Forest Research Institute, Jorhat

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| 08. | Forest Seed Technology | 13 th January 2025 | 60 forest officials from Meghalaya State Forest Department |
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ICFRE- Tropical Forest Research Institute, Jabalpur

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| 09. | Preparation of Ecosystem Health Cards | 28 th to 30 th January 2025 | 30 IFS officers from different state forest departments |
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Workshop on “Preparation of Ecosystem Health Cards” by ICFRE-TFRI, Jabalpur

ICFRE- Institute of Forest Genetics and Tree Breeding, Coimbatore

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| 10. | Expanding Girls' Horizons in Science | 03 rd January 2025 | 20 participants including students and teachers from Avinashilingam University, Coimbatore |
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Trainings Programme

ICFRE- Arid Forest Research Institute, Jodhpur

01.	Skill Development	08 th January 2025	24 participants from National Law University, Jodhpur
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Training on “Skill Development” by ICFRE-AFRI, Jodhpur

ICFRE- Tropical Forest Research Institute, Jabalpur

02.	Insect pests in forest nurseries, Agroforestry plantations and its Management	08 th January 2025	Participants including Scientists, Research scholars and Field Research staff of ICFRE-TFRI, Jabalpur
03.	High quality plant production and livelihood security through Agroforestry	08 th & 22 nd January 2025	36 Forest officials of Gujarat Forest Department



Training on “High quality plant production and livelihood security through Agroforestry” by ICFRE-TFRI, Jabalpur

04.	Instrumentation Training	22 nd January 2025	Participants including Scientists & scholars of TFRI, Jabalpur
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ICFRE- Rain Forest Research Institute, Jorhat

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| 05. | Sustainable Land Management for Increasing Productivity and Achieving Land Degradation Neutrality in North East India | 21 st to 23 rd January 2025 | 20 participants including forest officials, scientists, agriculture and horticulture development officers, and field officers from various departments of Northeast India. |
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Training on “Sustainable Land Management for Increasing Productivity and Achieving Land Degradation Neutrality in North East India” by ICFRE-RFRI, Jorhat

ICFRE- Institute of Wood Science and Technology, Bengaluru

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| 06. | Evaluation, product development and piloting of lignin for its suitability in the commercial manufacturing of Phenol Lignin Formaldehyde Resin/ Adhesive for Boiling Water Resistance grade Plywood | 20 th to 22 nd January 2025 | Participants from M/s Chemprocess System Pvt.Ltd. , Ahemdabad |
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ICFRE- Institute of Forest Productivity, Ranchi

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| 07. | Advancement in NTFP Research, Value addition and Marketing Strategies | 20 th to 24 th January 2025 | 09 IFS officers from Chhattisgarh, Goa, Gujrat, Maharashtra, Mizoram & Karnataka |
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Training on “Advancement in NTFP Research, Value addition and Marketing Strategies” by ICFRE-IFP, Ranchi

ICFRE- Institute of Forest Genetics & Tree Breeding, Coimbatore

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| 08. | Vegetative Propagation Techniques | 27 th January 2025 | 19 officers from Maharastra Forest Department |
| 09. | Agroforestry Models Establishment & Management | 28 th January 2025 | 48 officers from Tamil Nadu Forest Department |

Memorandum of Understanding

- ICFRE-HFRI, Shimla signed MoU with Sher-e-Kashmir University of Agriculture Sciences and Technology, Jammu on 6th January, 2025 with objectives to have collaboration of pursuing quality research and building a new generation of highly skilled human resources, providing new opportunities for employment and economic development, exchange scientific knowledge and experience with focus on environment, bio-resources, skill development, livelihood opportunities, science and technology, etc. in domain of HP and J&K.



MoU signed between ICFRE-HFRI, Shimla and Shere-e-Kashmir University of Agriculture Science and Technology, Jammu

- ICFRE-AFRI, Jodhpur signed MoU with Rajasthan Forest Department, Govt. of Rajasthan on 08th January 2025 for the evaluation of forest plantations established under various schemes from 2013-14 to 2023-24.



MoU signed between ICFRE-AFRI, Jodhpur and Rajasthan Forest Department, Govt. of Rajasthan

- ICFRE-IWST, Bengaluru signed MoU with Global Green Growth Co-Foundation, UHS, Campus, GKVK, Bengaluru on 15th January 2025 for promoting green growth, sustainable forestry & climate resilience through research technology & capacity building.



MoU signed between ICFRE-IWST, Bengaluru and Global Green Growth Co-Foundation, UHS, Campus, GKVK, Bengaluru

- ICFRE-RFRI, signed MoU with Manipur University Imphal on 15th January 2025 to strengthen the scientific and technical co-operation and open up all possible scopes for collaboration in research, academic and extension activities for the society through different technological interventions and innovations.



MoU signed between ICFRE-RFRI, Jorhat and Manipur University, Imphal

- ICFRE-TFRI, Jabalpur signed MoU with State Forest Research & Training Institute, Raipur, Chhatisgarh on 30th January 2025 for extending ICFRE-TFRI technologies among the Chhatisgarh Forest Officials.



MoU signed between ICFRE-TFRI, Jabalpur and State Forest Research & Training Institute, Raipur, Chhatisgarh

Prakriti Programme

ICFRE-Institute of Forest Genetics & Tree Breeding, Coimbatore

- 133 students along with teachers from B.V. Public School, Madukakarai visited Gass Forest Museum of ICFRE-IFGTB, Coimbatore on 06th January 2025.



Students from B.V. Public School, Masukakarai visited ICFRE-IFGTB, Coimbatore

ICFRE-Institute of Forest Biodiversity, Hyderabad

- 212 students along with teachers from Kendriya Vidyalaya Sangathan (KVS), Bowenpally, Hyderabad, Telangana and Kendriya Vidyalaya Sangathan (KVS), AFS-Begumpet, Hyderabad, Telangana visited ICFRE-IFB, Hyderabad on 09th, 30th & 31st January 2025. They were briefed about various research activities of the institute.



Students from Kendriya Vidyalaya Begumpet, Hyderabad visited ICFRE-IFB, Hyderabad

ICFRE-Rain Forest Research Institute, Jorhat

- ICFRE- Livelihood Extension Centre, Agartala organized “Scientists- Students connect programme” on 17th January 2025 at Jawahar Navodaya Vidyalaya, Mahanpur, Tripura. Students were briefed about Biodiversity and its Conservation during the programme.



ICFRE-RFRI, Jorhat organized “Scientists-Students Connect” programme at Jawahar Navodaya Vidyalaya, Mahanpur, Tripura

Awareness and Demonstration Programme

ICFRE-Institute of Wood Science and Technologies, Bengaluru

- 127 students along with faculties from Dr. Y S Parmar University of Horticulture & Forestry, Nauni, Solan, Forest College, Odisha, College of Forestry, Bhuvaneshwar and Forest College and Research Institute, Mulugu, Hyderabad visited Xylarium, Wood Museum, Wood workshop, Wood Anatomy Lab, AWTC & TDC of ICFRE-IWST on 03rd & 27th January 2025.



Visit of students from Forest College and Research Institute, Mulugu, Hyderabad to ICFRE-IWST, Bengaluru



Forest Beat Officers from Telangana State Forest Academy, Dulapally, Hyderabad Visited ICFRE IFB, Hyderabad

ICFRE-Institute of Forest Genetics & Tree Breeding, Coimbatore

- 67 RFO from Chandrapur Forest Academy, Maharashtra visited ICFRE-IFGTB, Coimbatore on 3rd January 2025. They were briefed about research and extension activities of the institute.



RFO from Chandrapur Forest Academy, Maharashtra visited ICFRE-IFGTB, Coimbatore

- 32 Forest Section Officer from Telangana State Forest Academy, Dulapally, Hyderabad visited ICFRE-IFB, Hyderabad on 30th January 2025.

ICFRE- Institute of Forest Productivity, Ranchi

- 78 Forest Guards from Forest Guard and Forest Ranger Training School, Hazaribagh visited ICFRE-IFP, Ranchi on 15th January 2025. They were briefed about bamboo propagation techniques of various species of bamboos, nursery techniques and production methods of earthworm compost.



Forest Guards from Forest Guard and Forest Ranger Training School, Hazaribagh visited ICFRE-IFP, Ranchi

ICFRE- Institute of Forest Biodiversity, Hyderabad

- 103 students along with faculties from Avanthi College-3, Hyderabad and College of Forestry, Odisha University of Agriculture and Technology, Odisha visited ICFRE-IFB, Hyderabad on 06th & 16th January 2025. They were briefed about various research activities of the institute.
- 52 Forest Beat Officer from Telangana State Forest Academy, Dulapally, Hyderabad visited ICFRE-IFB, Hyderabad on 21st January 2025.

ICFRE-Tropical Forest Research Institute, Jabalpur

- 146 students along with faculties from Govt. Science College, Jabalpur, Rani Durgavati Govt. College, Paraswada, Balaghat, Model Science College, Jabalpur and Rajmata Sindhiya Government Girls College, Chhindwara visited ICFRE-TFRI, Jabalpur on 14th, 16th, 17th & 23rd January 2025. Lecture on Cultivation Techniques of Medicinal Plants and Preparation of Vermi Compost & Air Layering Budding and Preparation of Soil, Sand and FYM Ratio were delivered to students.

ICFRE-Arid Forest Research Institute, Jodhpur

- 46 RFO along with faculties from Odisha Forest Range College (OFRC), Angal visited ICFRE-AFRI, Jodhpur on 30th January 2025. They were briefed about various research activities of the institute.
- 33 students along with faculties from Sir Syed College, Talipuramba, Kannur, Kerala visited Shisham clones VMG, Tharshobha khejri and neem Patti khad pits of ICFRE-AFRI, Jodhpur on 15th January 2025.
- 37 students along with faculties from Shri I G College, Bilara, Jodhpur visited ICFRE-AFRI, Jodhpur on 20th January 2025 and also briefed about various research activities of the institute.



Visit of students from I.G. College, Bilara, Jodhpur to ICFRE-AFRI, Jodhpur

Participation in Exhibition

- ICFRE-RFRI, Jorhat participated and installed display in “Regional Agricultural Fair-2025” organized by Assam Agricultural university, Jorhat from 06th to 09th January 2025 at ICR Farm, AAU, Jorhat and showcased various R&D activities of institute.



Stall by ICFRE-RFRI, Jorhat in “Regional Agricultural Fair-2025” at ICR Farm, AAU, Jorhat

Visit to Institute

- Shri Rakesh Pundir and Shri Sagar Khandelwal from Grasim Industries Ltd., Worli, Mumbai visited Bamboo Nursery, Bambusetum, Bamboo Composite Centre, Bamboo Charcoal Unit of ICFRE-RFRI, Jorhat on 07th January 2025.



Shri Rakesh Pundir and Shri Sagar Khandekwal from Grasim Industries Ltd., Worli, Mumbai visited ICFRE-RFRI, Jorhat

Rajbhasha Activity

- ICFRE (HQ) organized training on “Unicode Hindi Typing” on 27th January 2025 at ICFRE-FRI, Dehradun under the guidance of Shri Amit Ruhela, Junior Translation Officer, IGNFA, Dehradun. 16 Participants from various division of headquarter participated in the programme.



Training on “Unicode Hindi Typing” by ICFRE(HQ)

HR NEWS

TRANSFER

Name of Officer	Date
Smt. Narvada Pal, PS, ICFRE-HFRI, Shimla to ICFRE(HQ) Dehradun	01.01.2025

PROMOTION

Name of Officer	Date
Smt. Narvada Pal, PS, O/oSecretary ICFRE(HQ)	01.01.2025

APPOINTMENTS REGULAR

Name of Officer	Date
Sh. Saurv Bag, Scientist-B, ICFRE-AFRI, Jodhpur	16.01.2025

RETIREMENT

Name of Officer	Date
Dr. N. Bala, Scientist-G, ICFRE-FRI, Dehradun	31.01.2025
Sh. Ashok Kumar, S.O, ICFRE-FRI, Dehradun	31.01.2025
Sh. Narendra Sain, FRO, ICFRE-FRI, Dehradun	14.01.2025 (VRS)
Sh. Ashutosh Kumar Pandey, S.O, ICFRE-IFP, Ranchi	31.01.2025
Sh. N.G. Sobhachandra Singh, S.O, ICFRE-RFRI, Jorhat	31.01.2025

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

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