



Indian Council of
Forestry Research
and Education

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#Swachhta Hi Sewa 2024

- Mass Cleaning Drive were organized at ICFRE Headquarter, Institutes and Centres from 17th September 2024 to 02nd October 2024 under # Swachhta Hi Sewa campaign.



ICFRE-FRI



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Longitude: 77.998736
Elevation: 691.32±13 m
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Time: 26-09-2024 10:16

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Jodhpur: 342005

ICFRE-AFRI

ICFRE-HFRI



ICFRE-IFB



ICFRE-IFP



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Longitude: 85.236014
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ICFRE-TFRI

Mission LiFE

Matri Van Tree Plantation Programme

- Plantation Activities were carried out by ICFRE Headquarter, Institutes and Centres under Ek_Ped_Maa_Ke_Naam campaign.



Significant Research Finding

ICFRE-Forest Research Institute, Dehradun

- Assessment of Species Diversity of *Heterocera* (moths) across the Shiwalik Landscape of Northern India and Development of a Database- Data was compiled and 22 moth specimens were collected from Hoshiarpur district of Punjab Shiwaliks from Mehngarwal, Dehrian & Talwada. The moth database was updated to 402 species of moths belonging to 22 families.
- Essential oil was subsequently extracted from the collected *Skimmia laureola* leaves, yielding $0.4 \pm 0.01\%$ (V/W) for Chopta to Mandal and $0.46 \pm 0.01\%$ (V/W) for Tungnath Sparsh Range. Approximately 500 g of fatty oil was extracted from the seeds of a chemically superior population of *Pithecellobium dulce* located in Raebareli, Uttar Pradesh, for evaluation as a potential biodiesel source. Additionally, fatty oils from 13 different populations of *P. dulce* were analyzed using GC-MS.

ICFRE-Institute of Forest Genetics & Tree Breeding, Coimbatore

- A gene editing vector comprising Cas9 and guide RNA constructs for loop deletion in *EchKT1;1* gene was developed. Further, CaMV35S promoter-driven base editing nCas9 and guide RNA constructs for mutating Serine-95 and Aspergine-381 in *EchKT1;1* gene were also developed.
- Population assessment of eight plant species prioritised for formulating conservation measures was carried out in different forests of Tamil Nadu. Various sub-populations of *Dipterocarpus bourdillonii*, *Phyllanthus anamallayanus*, *Psychotria anamallayana* and *Antistrophe serratifolia* have been located in different parts of the Anamalai Tiger Reserve, Tamil Nadu.

ICFRE-Rain Forest Research Institute, Jorhat

- ICFRE-RFRI, Jorhat has prepared four products like Lip balm, Jar soap, Bathroom cleaner and Mosquito repellent lotion from two lesser-known forest plant species.

Workshops/Seminars/Meetings

Indian Council of Forestry Research & Education

1.	Standardization of Packages & Practices for Eco-rehabilitation of Degraded Coal Mines in Different Agroclimatic Zones of India	18 th to 19 th September 2024	35 Executives from Mahanandi Coalfields Ltd., Sambalpur, Odisha
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Workshop on “Standardization of Packages & Practices for Eco-Rehabilitation of Degraded Coal Mines in Different Agroclimatic Zones of India” by ICFRE, Headquarter, Dehradun

ICFRE- Forest Research Institute, Dehradun

2.	Need for the Conservation and Management of Himalayan Ecosystem	09 th September 2024	48 participants including scientists, officers, research scholars, technical staff and students of institute
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ICFRE- Institute of Wood Science and Technology, Bengaluru

3.	Research Advisory Group meeting	18 th September 2024	20 participants including RAG members, officers and scientists from Karnataka and Andhra Pradesh
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ICFRE- Himalayan Forest Research Institute, Shimla

4.	Research Advisory Group meeting	17 th September 2024	20 participants including Scientists, Researchers, Stakeholders and Forest officers of institute
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Research Advisory Group Meeting by ICFRE- HFRI, Shimla

5.	Forest Soil Health Cards	30 th September 2024	40 participants including Scientists, Researchers, Stakeholders and Forest officers of institute
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ICFRE- Institute of Forest Biodiversity, Hyderabad

6.	Research Advisory Group meeting	27 th September 2024	Stakeholders from different organizations
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Research Advisory Group Meeting by ICFRE- IFB, Hyderabad

ICFRE- Institute of Forest Genetics & Tree Breeding, Coimbatore

7.	To implement Internet of Things based application in Forestry Sector	06 th September 2024	50 participants including scientists and officers from Bannari Amman Institute of Technology, Sathyamangalam
8.	Research Advisory Group meeting	25 th September 2024	30 participants including researchers, officers and farmers from research institute, wood based industries



Workshop on “To implement Internet of Things based application in Forestry Sector” by ICFRE- IFGTB, Coimbatore



Research Advisory Group Meeting by ICFRE- IFGTB, Coimbatore

ICFRE- Arid Forest Research Institute, Jodhpur

9.	Regenerating Landscapes: Forestry Initiatives for Rehabilitation and Restoration of Degraded Lands and Stressed Ecosystems	12 th September 2024	Researchers, Officers and Scientists from several state Forest Departments, Universities, ISRO, AFRI, TFRI, CAZRI and BSI
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ICFRE- Rain Forest Research Institute, Jorhat

10.	24 th Research Advisory Group meeting 30 th September 2024	50 participants including Scientists, Officers, Professors and Entrepreneurs from State Forest Department North East India
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Workshop on “Regenerating Landscapes” by ICFRE- AFRI, Jodhpur



24th Research Advisory Group Meeting by ICFRE- RFRI, Jorhat

Training Programmes

Indian Council of Forestry Research & Education

1.	Forest Rules, Ecology and Biodiversity (Two trainings)	10 th to 13 th & 24 th to 27 th September 2024	29 Executives from South Eastern Coalfields Ltd., Bilaspur, Chhattisgarh
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Training programme on “Forest Rules, Ecology and Biodiversity” by ICFRE, Headquarter, Dehradun

ICFRE- Forest Research Institute, Dehradun

2.	Resin Tapping training for Khasi pine (<i>Pinus kesiya</i>)	09 th to 13 th September 2024	Scientists, Forestry experts and Forest Officials of Forests and Environment Department, Meghalaya
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| 3. | Advances in Seed and Nursery Technology | 24 th to 26 th September 2024 | 30 participants including scientists, officers, farmers and other stakeholders of Dehradun |
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Training programme on “Advances in Seed and Nursery Technology” by ICFRE-FRI, Dehradun

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| 4. | Conservation and Uses of Forest Genetic resources | 28 th to 30 th September 2024 | Forester and Forest Range officer level officers of Uttarakhand, Uttar Pradesh, Punjab, Haryana, Chandigarh and Delhi |
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ICFRE- Himalayan Forest Research Institute, Shimla

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| 5. | Preparation of Ecosystem Health Card | 09 th to 11 th September 2024 | 26 IFS Officers from different Forest Department |
| 6. | Sustainable management of important medicinal plants through conservation and value addition | 18 th September 2024 | 40 participants including farmers and students from Shilaru, Shimla |



Training Programme on “Preparation of Ecosystem Health Card” by ICFRE- HFRI, Shimla



Training Programme on “Sustainable management of important medicinal plants through conservation and value addition” by ICFRE- HFRI, Shimla

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|----|---|---------------------------------|---|
| 7. | Integrated approach for management of Shisham in nursery and plantation | 19 th September 2024 | 22 officers from Himachal Pradesh Forest Department |
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8.	Springshed management for water conservation and sustainable water management	23 rd to 27 th September 2024	27 IFS officers from different Forest Department and UTs
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Training Programme on “Integrated approach for management of Shisham in nursery and plantation” by ICFRE- HFRI, Shimla



Training Programme on “Springshed management for water conservation and sustainable water management” by ICFRE- HFRI, Shimla

9.	Application of Bio-fertilizers and Bio-pesticides in Forestry Practices	25 th to 27 th September 2024	30 participants including Kumarsain and Mateog Panchayat members, Teachers and Students of St. Bedes College, Sanjauli College, Shimla and members of Yuvak Mandal Mateog, Sahyog foundation (NGO) members and Jawan of ETF Kufri
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ICFRE- Institute of Wood Science and Technology, Bengaluru

10.	Plywood Manufacturing Technology	05 th September 2024	08 participants including students and industry personnel from Kolkata
11.	Sandalwood Farming and Management of its Health	23 rd to 27 th September 2024	27 farmers from different states
12.	Adhesives and Wood Based Panel Product	18 th to 20 th September 2024	30 participants from Plywood, Solid wood and Furniture Industry
13.	Wood Science and Technology	19 th to 20 th September 2024	42 State Forest Service Officer trainees of CASFOS, Coimbatore



Training Programme on “Adhesives and Wood based Panel Product” by ICFRE- IWST, Bengaluru



Training Programme on “Wood Science and Technology” by ICFRE- IWST, Bengaluru

ICFRE- Arid Forest Research Institute, Jodhpur

14.	The method of making silage	27 th September 2024	40 participants including farmers, ECO-Task Force soldiers, BSF 92 battalion soldiers from Hamira, Jaisalmer, Dabla Sonu, Sherwa village, Rajasthan
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ICFRE- Institute of Forest Genetics & Tree Breeding, Coimbatore

15.	Vegetation Science and Forestry	28 th August to 04 th September 2024	12 students from Wild Life Institute, Southern Regional Centre(SACON)
16.	Nursery Raising and Cultivation of Wild Edible Fruits	04 th September 2024	24 FRO from Tamil Nadu Forest Department



Training Programme on “Vegetation Science & Forestry” by ICFRE- IFGTB, Coimbatore



Training Programme on “Nursery Raising and Cultivation of Wild Edible Fruits” by ICFRE- IFGTB, Coimbatore

17.	Quality Planting Materials Production in Nursery	26 th September 2024	45 Forest Officers from Viluppuram, Cuddalore and Kallakuruchi, Tamil Nadu
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ICFRE- Institute of Forest Biodiversity, Hyderabad

18.	Preparation of Ecosystem Health Card	17 th to 19 th September 2024	20 IFS officers from different state Forest Department
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ICFRE- Tropical Forest Research Institute, Jabalpur

19.	Use of Soil Health Cards for promoting soil test based nutrient management practices	29 th September 2024	260 participants from Madhya Pradesh Forest Department
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ICFRE- Rain Forest Research Institute, Jorhat

20.	Forestry Addressing Livelihood Issues of People of North Eastern States	02 nd to 04 th September 2024	18 officers from Agriculture, Rural Development, Krishi Vigyan Kendra, Education and Judiciary departments
21.	Propagation and Cultivation of <i>Schumannianthus dichotomus</i> (Vern: Patidoi/ Patitara/ Murta) and <i>Costus speciosus</i> (Jamlakhuti)	14 th to 19 th September 2024	70 participants including farmers and Self Help Group members from Enthem, Manna-II, Kaisu, Monmow, Monhophai, Nanamkhamiyag, Namsai, Arunachal Pradesh



Training Programme on “Forestry Addressing Livelihood issues of people of North Eastern States” by ICFRE- RFRI, Jorhat



Training Programme on “Propagation and Cultivation of *Schumannianthus dichotomus* (Vern: Patidoi/ Patitara/ Murta) and *Costus speciosus* (Jamlakhuti)” by ICFRE- RFRI, Jorhat

22.	Cultivation, Harvesting, Value Addition and Trade of Agar and Agar products	02 nd to 06 th September 2024	150 participants including Farmers and Agar Cultivators from Samenda, Ranikar and Rongara blocks of Meghalaya
23.	Low Cost Vermicomposting Techniques for Livelihood Generation	24 th September 2024	25 Self Help Group (Tribal womens) members from Jampuijala, Sepahijala, Tripura

ICFRE- Institute of Forest Productivity, Ranchi

24.	Silage Production and Utilization	27 th September 2024	Participants from Kutam, Torpa and Khunti, Jharkhand
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Activities under Van Vigyan Kendra

- ICFRE-IWST, Bengaluru organized a training programme on “Bamboo Primary Processing and Value Addition” on 05th September 2024 at Forestry College, Ponnampet, Madikeri. 60 Participants including farmers and students from Ponnampet, Madikeri participated in the programme.



Training Programme on “Bamboo Primary Processing and Value Addition” by ICFRE- IWST, Bengaluru at Forestry College, Ponnampet, Madikeri

- ICFRE-IFGTB, Coimbatore organized a training programme on “Cultivation Techniques of Commercially Important Tree Species” on 04th September 2024 at KVK, Viruthachalam. 81 farmers from Cuddalore, Tamil Nadu participated in the programme.



Training Programme on “Cultivation Techniques of Commercially Important Tree species” by ICFRE- IFGTB, Coimbatore at KVK, Viruthachalam

- ICFRE-BRC, Aizawl organized a training programme on “Apiculture” under VVK from 18th to 20th September 2024 at Village Council

House, Hualngohmun, Mizoram. 20 farmers from Hualngohmun participated in the programme.

- ICFRE-RFRI, Jorhat & Digboi Forest Division, Assam jointly organized a training programme on “Forest Based Livelihood Opportunities” from 25th to 26th September 2024 at Digboi Arboretum, Assam. 39 participants including Farmers, Forest Frontline staff and Joint Management Committee members participated in the programme.



Training Programme on “Forest Based Livelihood Opportunities” by ICFRE- RFRI, Jorhat at Digboi Arboretum, Assam

- ICFRE-RFRI, Jorhat organized a skill development programme on “Bamboo Shoot Processing and Value Addition” from 18th to 20th September 2024. 23 unemployed men and women from different districts of Assam participated in the programme.

Memorandum of Understanding

- MoU was signed between ICFRE- IWST, Bangalore and Gyal-TSO GT Lifestyle Private Limited on 20th September 2024 for development and characterization of hybrid panels from selected wood veneers and aluminium sheet for the production of eyewear.
- MoU was signed between ICFRE-IFGTB, Coimbatore and Directorate of Extension Education, Tamil Nadu Agricultural University,

Coimbatore on 04th September 2024 to promote extension activities through conducting theme based trainings to various stakeholders, establishment of demo plots with improved clones/varieties of tree species and keeping ICFRE-IFGTB technologies and products in the KVKs for wider reach.

Prakriti Programme

ICFRE- Arid Forest Research Institute, Jodhpur

- A group of 61 students along with teachers from Government Senior Secondary School, Bilara, Jodhpur visited Interpretation Central Lab, Soil & Seed Lab of ICFRE-AFRI, Jodhpur on 27th September 2024. They were also briefed about research activities of institute.



Visit students from Government Senior Secondary School, Bilara, Jodhpur to ICFRE-AFRI, Jodhpur

ICFRE-Institute of Forest Genetics & Tree Breeding, Coimbatore

- 87 students along with teacher from N.S. Matriculation Higher Secondary School, Kuniyamuthur, Coimbatore visited ICFRE-IFGTB, Coimbatore on 06th September 2024. Lecture on Good practices of fruits collection, Seed extraction storage and FGR Conservation were also delivered to students.



Visit students from N S Matriculation Higher School, Kunuiyamuthur, Coimbatore to ICFRE-IFGTB, Coimbatore

Awareness and Demonstration Programme

ICFRE- Institute of Wood Science and Technology, Bengaluru

- 16 students along with faculties from Lisaa School of Design, Bengaluru visited Tissue Culture lab, Xylarium, Nursery, Wood Workshop, Advanced Wood Working Training Centre and Wood Museum of ICFRE-IWST, Bengaluru on 13th September 2024. They were briefed about Wood Properties & Processing and Sandalwood Cultivation and its prospects.
- 35 RFO trainees from Karnataka Forest Academy, Dharwad visited Tissue Culture lab, Xylarium, Nursery, Wood Workshop, Advanced Wood Working Training Centre and Wood Museum of ICFRE-IWST, Bengaluru on 19th September 2024.



35 RFO trainees from Karnataka Forest Academy, Dharwad visited ICFRE-IWST, Bengaluru

- 50 Forest officers from Kundal Academy, Maharashtra visited ICFRE-IWST, Bengaluru on 23rd September 2024. They were briefed about the research and development activities of institutes.
- 23 artisan trainees with officers from Madras Engineer Group & Centre, Bengaluru visited Xylarium, Nursery, Wood Workshop, Training Centre and Wood Museum of ICFRE-IWST, Bengaluru on 06th September 2024.



23 Artisan Trainees from Madras Engineer Group & Centre, Bengaluru visited ICFRE-IWST, Bengaluru

ICFRE-Tropical Forest Research Institute, Jabalpur

- 10 students along with faculty from Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur visited ICFRE-TFRI, Jabalpur on 20th September 2024. The activities of forest pathology laboratory were also demonstrated to students.

ICFRE-Institute of Forest Biodiversity, Hyderabad

- 75 students along with faculties from MLR, Visakhapatnam visited interpretation centre ICFRE-CEC, Visakhapatnam from 12th to 13th September 2024. They were briefed about Mangrove and ongoing activities of centre.

ICFRE-Himalayan Forest Research Institute, Shimla

- 40 students along with faculties from St. Bedes College, Shimla and Career Point

University, Hamirpur, Himachal Pradesh visited ICFRE-HFRI, Shimla on 03rd & 25th September 2024. They were briefed about the research and development activities of the institute.



Visit students from Career Point University, Hamirpur, Himachal Pradesh visited ICFRE-HFRI, Shimla

ICFRE- Institute of Forest Genetics & Tree Breeding, Coimbatore

- 779 students along with faculties from Pathinam College of Arts and Science, Nehru Arts and Science College, Government College of Technology, Karunya Institute of Technology and Science and PSG College, Coimbatore visited ICFRE-IFGTB, Coimbatore on 5th, 10th, 11th, 12th & 18th September 2024. Lectures on Good practices of Fruit Collection, seed extraction. Storage and FGR Conservation, Transpiration in plants, Faunal Diversity, Forest Fire and Marine Invertebrate Star Fish were also delivered to students.



Visit students from Karunya Institute of Technology and Science, Coimbatore to ICFRE-IFGTB, Coimbatore

- 45 FRO trainees from Odisha State Forest Department visited ICFRE-IFGTB, Coimbatore on 14th September 2024. They were briefed about Field Gene Bank and its role in future breeding and research activities.

Participation in Exhibition

- ICFRE-IFGTB, Coimbatore participated and installed display stall in "Farmer's Mela" organized by Tamil Nadu Agricultural University, Coimbatore from 26th to 29th September 2024 at TNAU campus and showcased various R&D activities of institute.



Stall by ICFRE-IFGTB, in "Farmer's Mela" at Tamil Nadu Agricultural University Campus, Coimbatore

Rajbhasha Activity

Celebration of Hindi Pakhwada 2024

- Hindi Pakhwada was celebrated from 14th to 30th September 2024 by ICFRE Headquarter, Institutes and Centres.



ICFRE-IFGTB



ICFRE-IWST



Smt. Kanchan Devi, IFS,DG,ICFRE, Dehradun visited ICFRE-HFRI, Shimla

Miscellaneous

World Bamboo Day

- ICFRE-RFRI, Jorhat celebrated World Bamboo Day on 18th September 2024.



ICFRE-RFRI, Jorhat celebrated World Bamboo Day

ICFRE-IFP



Visit to Institutes

- Smt. Kanchan Devi, IFS, DG, ICFRE, Dehradun visited to ICFRE-HFRI, Shimla on 23rd September 2024. She also reviewed Research and Development activities of the institute.

Himalayan Day

- Himalayan Day was celebrated on 09th September 2024 by ICFRE Headquarter, ICFRE-FRI, Dehradun and ICFRE-HFRI, Shimla.

HR NEWS

TRANSFER

Name of Officer	Date
Shri Veer Singh Gautam, Scientist-B, ICFRE-IWST, Bengaluru to ICFRE-IFP, Ranchi	18.09.2024
Dr. Ratna V., Scientist-B, ICFRE-IFP, Ranchi to ICFRE-IWST, Bengaluru	18.09.2024
Shri Chandar Singh, Section officer, ICFRE- FRI, Dehradun to Internal Audit Cell ICFRE(HQ)	10.09.2024

PROMOTION

Name of Officer	Date
Shri Rakesh Kumar, Section Officer, ICFRE- HFRI, Shimla	24.09.2024
Shri Ashok Kumar, Section Officer, ICFRE- FRI, Dehradun	24.09.2024
Shri Vijendra Kumar, Section Officer, ICFRE- FRI, Dehradun	24.09.2024
Shri Chander Singh, Section Officer, ICFRE- FRI, Dehradun	02.09.2024

REPATRIATION

Name of Officer	Date
Dr. Prabuddha H.R., IFS (GJ:2008), ICFRE-IWST, Bengaluru	11.09.2024
Shri Sanjay Singh Pundir, Account Officer, ICFRE(HQ)	02.09.2024



Patron:

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

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