

Smt. Kanchan Devi, IFS, 1991 batch has taken over the charge of Director General, ICFRE. She is the 1st lady IFS officer to hold this prestigious position.



Convocation Ceremony

ICFRE- IWST, Bengaluru conducted Convocation Ceremony for 40 students of 33rd Batch of PGDC course in Wood and Panel Products & Technology on 1st December 2023.



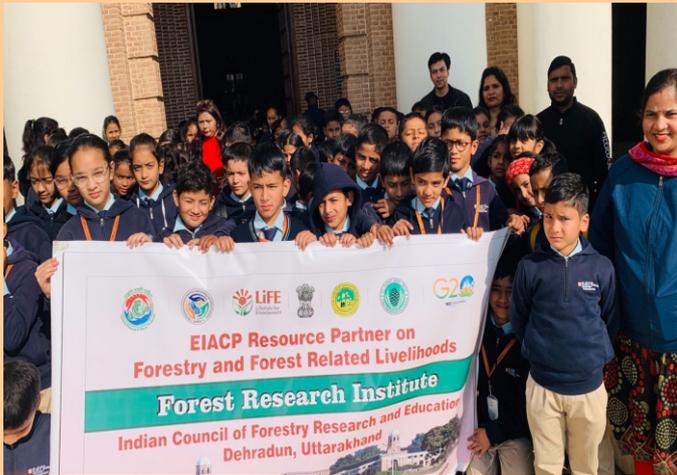
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Activities performed under Mission LiFE

ICFRE- Forest Research Institute, Dehradun

FRI, Dehradun conducted an awareness programme on Swachhta abhiyan & Mission LiFE for students from MGVS Colleg, Mussoorie and Edify World School, Dehradun on 13th December 2024.



Awareness programme on Mission LiFE at ICFRE-FRI

ICFRE- Institute of Forest Genetics & Tree Breeding, Coimbatore

ICFRE-IFGTB, Coimbatore apprised students about various Mission LiFE activities and pledge was taken by them on 08.12.2023.



IFGTB conducted various activities on Mission LiFE

ICFRE- Himalayan Forest Research Institute, Shimla

HFRI, Shimla provided a concise overview about Mission LiFE to the students of Center of Excellence, Sanjauli and Jaypee University, Wagnaghat on 07.12.2024 and 12.12.2024.



Various activities conducted under Mission LiFE by HFRI

ICFRE- Institute of Wood Science and Technology, Bengaluru

ICFRE-IWST, Bengaluru organised a sensitization programme on Mission LiFE and LiFE Pledge was taken by students of Hymamshu Jyothi Kalapeetha Composite Higher Primary School Malleshwaram, Bangalore on 22th December 2023.



Mission LiFE pledge was taken by HJKCHP School at ICFRE-IWST

Significant Research Findings

ICFRE- Forest Research Institute, Dehradun

- Identification of moths collected from Naudi (Moist Shiwalik Sal forest) and Chorgaliya (Nandhour Wildlife sanctuary) of Uttarakhand state was carried out. Total number of species in the database is now 385, after addition of 27 new larval host plants of species. Total 107 larval host plants species have been identified of moths in Shiwalik landscape.
- Analyses of ethyl acetate (EAF) and butanol (BF) soluble fractions of *Trillium govanianum* rhizomes indicated significant variation in phytochemicals. A total of 17 and 19 phytochemicals were confirmed in ethyl acetate, and butanol soluble fractions, respectively by LC-QTOF-MS, whereas total 07 targeted steroidal saponins namely *govanoside B*, *Protodioscin*, *Pregnachacotrioside*, *Pennogenin tetraglycoside*, *borassoside E*, *borassoside D* and *Diosgenin* were quantified by HPLC. *Protodioscin* and *Borassoside E* accumulation was highest in mature rhizomes. Highest contents of *Borassoside D* and *Diosgenin* were observed in juvenile rhizomes where as *Govanoside B*, *Pennogenin tetraglycoside* and *Pregnachacotrioside* were the major constituents in young rhizomes.

ICFRE- Rain Forest Research Institute, Jorhat

- From Dehing Patkai National Park, 159 species of macrofungi enumerated, representing 81 genera, 43 families, 14 orders, 5 classes and 2 phyla. Also enumerated 183 woody plant species (163 trees and 20 shrubs) ≥ 1 cm diameter at breast height representing 122 genera and 58 families.

ICFRE- Institute of Forest Genetics & Tree Breeding, Coimbatore

- Distribution map on *Canarium strictum* was generated using QGIS software for the populations collected from Eastern & Western Ghats of Tamil Nadu.

- A rich population of *Gluta travancorica*, a Near Threatened(NT) large evergreen tree was documented at Kalakkad Mundanthurai Tiger Reserve.

ICFRE-Institute of Wood Science and Technology, Bengaluru

- As an expert member of Tree Expert Committee, the scientist of ICFRE-IWST carried out field inspection for 03 projects on "Assessment of sites for Translocation of Trees related to Remodelling of Channasandra Railway Station Yard, Channasandra Railway Station Yard, Bengaluru"; "Assessment of Trees in the project for Installation of sanitary pipeline by BWSSB" and "Assessment of trees in the project for commercial development".

Consultancy

ICFRE- Headquarter, Dehradun

- Final Third Party Environmental Compliance Audit reports of Cluster –IV Coal Mines Coalfields Dhanbad of BCCL submitted to Coal India Limited (CIL), Kolkata.
- Eco-restoration studies of mined out and surrounding area of Gouthamkhani OC project under Sustainable Development Activities in SCCL, Kothagudem submitted to M/s Singareni Collieries Company Ltd., Kothagudem District, Telangana.

Participation in Exhibition

- ICFRE-RFRI, Jorhat participated & installed display stall in Assam Diwas Celebration at Tingkhong, Dibrugarh, Assam on 2nd December 2023.



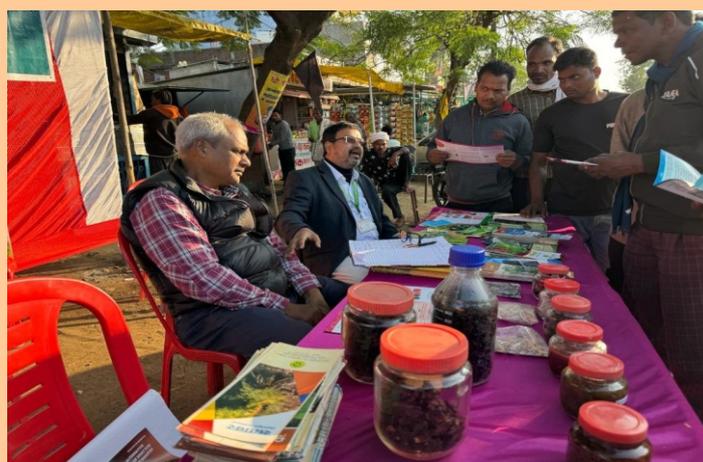
ICFRE-RFRI, Jorhat installed a stall in celebration of Assam Diwas

- ICFRE- RFRI, Jorhat installed a stall in the 'Farmer's Fair' organized by Assam Agriculture University-Sugarcane, Medicinal and Aromatic Plants Research Station, Buralikson, Golaghat, Assam on 4th December 2023 and showcased various R&D activities of the Institute.



ICFRE-RFRI, Jorhat installed a stall in Farmer fair

- ICFRE-TFRI, installed a display stall and participated in weekly market of Dhuma, Seoni (M.P.). Participants were given information about the benefits of Karonda fruit on 14th December 2023.



ICFRE-TFRI, Jabalpur installed a stall in weekly market of Dhuma, Seoni (M.P.)

Workshops/ Seminars/ Meetings

Indian Council of Forestry Research and Education, Dehradun

- 1 Interaction meeting for future collaboration between ICFRE, Dehradun and Rubber Research Institute of India, Kerala 07th December 2023 Officials from ICFRE & RRII
- 2 Meeting with UNDP and ICFRE-CoE-SLM on collaboration and implementation of GEF funded Project entitled Sustainable management and restoration of degraded landscapes for achieving Land Degradation Neutrality(LDN) in india. 15th December 2023 Officials from UNDP & ICFRE



Interaction Meeting between ICFRE, Dehradun and RRII, Kerala



Meeting with UNDP and ICFRE-CoE-SLM Dehradun

ICFRE- Institute of Wood Science and Technology, Bengaluru

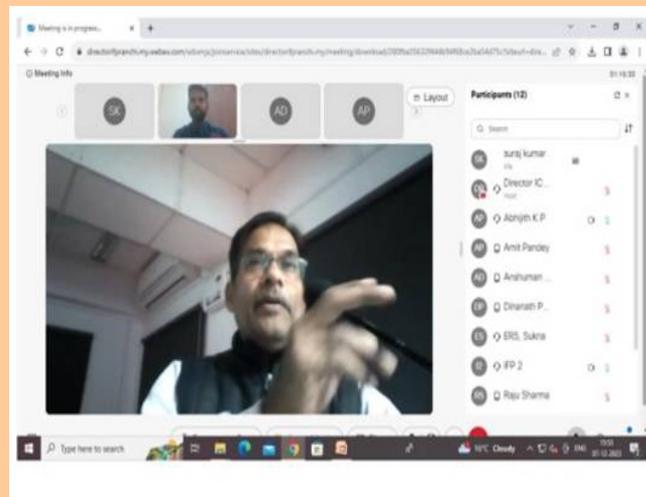
- 3 Institute - Industry Interactive Meet 14th December 2023 350 participants from 291 different industries of Kerala at Perambavoor, Kerala

ICFRE- Institute of Forest Productivity, Ranchi

- 4 Seminar on Molecular markers and their utilization in tree Breeding 07th December 2023 Scientists and officials from ICAR-IARI, Assam & ICFRE-IFP, Ranchi



ICFRE-IWST, Bengaluru organized an Industry Interactive Meet



IFP, Ranchi conducted a Seminar on Molecular markers and their utilization in Tree Breeding

ICFRE- Arid Forest Research Institute, Jodhpur

- 5 As a part of monthly seminar at ICFRE- AFRI, Director, GBNIHE, Almorha presented his work on Hydroponics Technology 26th December 2023 Scientists, Technical staff of AFRI and officials from GBNIHE, Almorha

ICFRE- Himalayan Forest Research Institute, Shimla

- 6 Private Forest: An experience sharing from the state of Goa 22nd December 2023 35 Scientists, Technical staff, Research staff



ICFRE-HFRI, Shimla conducted a Seminar on Private Forest: An Experience Sharing from the State of Goa

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| 7 | International Seminar cum workshop on communicating Health, Happiness & Longevity for Sustainable Development | 27 th December 2023 | Staff of Govt. College Anni, Kullu & ICFRE-HFRI, Shimla |
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Training Programmes

Indian Council of Forestry Research and Education, Dehradun

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| 1 | Sustainable Land management through adaptive & climate resilient interventions | 18 th December 2023 | 20 Frontline staff of Forest & Agriculture department of Haryana, Punjab, Uttar Pradesh, Delhi and Uttarakhand. |
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ICFRE-Forest Research Institute, Dehradun

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| 2 | Nursery Development and Forest Fire management | 13 th to 15 th December 2023 | About 52 participants from field workers of The Hans Foundation, Dehradun Uttarakhand. |
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ICFRE, Headquarters organized a training on sustainable land management through adaptive & climate resilient interventions



ICFRE-FRI, organized a training on Nursery Development and Forest Fire Management

ICFRE- Arid Forest Research Institute, Jodhpur

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|---|--|--|------------------|
| 3 | Integrated Approach for Sustainable Development of Fragile Desert Ecosystem. | 18 th to 22 nd December 2023 | 26 IFS officers |
| 4 | A lecture as well as a demonstration training on Entrepreneurship on Mass Production of <i>Trichoderma</i> . | 07 th December 2023 | 23 Women farmers |

5 A lecture delivered on Increase in livelihood through value addition of non timber product in rural area. 07th December 2023 23 Women farmers



ICFRE-AFRI, Jodhpur conducted training on Sustainable Development of Fragile Desert Ecosystem



ICFRE-AFRI, Jodhpur conducted training on Entrepreneurship on Mass Production of *Trichoderma*

ICFRE- Institute of Forest Genetics & Tree Breeding, Coimbatore

6 Remote Sensing and GIS 13th to 21st December 2023 5 students of Nirmala College for Women, Kamaraj Rd, Red Fields, Coimbatore, Tamil Nadu

7 Forest Genetic Resources Management 13th to 15th December 2023 18 IFS Officers

ICFRE- Institute of Wood Science and Technology, Bengaluru

8 Sandalwood Cultivation and its Prospects 06th to 08th December 2023 34, Entrepreneurs, research, academicians, farmers, students

9 Wood science and technology 05th to 08th December 2023 11 Officers from Tamil Nadu Forest Academy, Coimbatore. They also visited IWST and its IPIRITI Campus



ICFRE-IWST, Bengaluru conducted a training on Sandalwood Cultivation and its Prospects



ICFRE-IWST, Bengaluru conducted a 4 days training on Wood Science and Technology

ICFRE- Rain Forest Research Institute, Jorhat

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| 10 | Bamboo Shoot Processing and Value Addition | 14 th to 16 th December 2023 | 25 trainee participants from various districts of Tripura |
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ICFRE-Tropical Forest Research Institute, Jabalpur

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| 11 | Bamboo Handicrafts | 18 th to 22 nd December 2023 | 25 participants |
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ICFRE- Institute of Forest Productivity, Ranchi

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|----|--|--------------------------------|--|
| 12 | Nursery Management with special reference to Bamboo Nursery Management | 14 th December 2023 | 120 Forest guards, State Forest Training Institute, Mahilong |
| 13 | Bamboo Treatment Plant | 27 th December 2023 | Officials from ICFRE-IFP, Ranchi & other stakeholders |

Memorandum of Understanding

- Memorandum of Understanding (MoU) was signed on 14th December 2023 between ICFRE-Forest Research Institute, Dehradun and New NK Industries, Yamunanagar on development of solar dryers for agricultural produce, medicinal plants and other NTFPs.
- Memorandum of Understanding (MoU) was signed on 18th December 2023 between ICFRE-Institute of Forest Productivity, Ranchi and Bihar Government, Bhagalpur as per demand of stakeholder to supply developed Poplar clone IFP-BPA-33 .



MoU signed between ICFRE-FRI and NK Industries, Yamunanagar



MoU signed between ICFRE-IFP and Bihar Government, Bhagalpur

- Memorandum of Understanding (MoU) was signed on 11th December 2023 between ICFRE- Institute of Wood Science and Technology, Bengaluru and Chem Process Systems Pvt Ltd, Gujarat on development of adhesives using lignin as a biomaterial for plywood production.
- Memorandum of Understanding (MoU) was signed on 5th December 2023 between the ICFRE-Institute of Forest Biodiversity (ICFRE-IFB), Hyderabad, and School of Agricultural Sciences (SOAS), Malla Reddy University, Hyderabad to collaborate to promote and accelerate the progress of various disciplines of forestry and agroforestry research, education, training, and extension.



MoU signed between ICFRE-IWST and Chem Process System Pvt Ltd., Gujarat



MoU signed between ICFRE-IFB and SOAS, Malla Reddy University, Hyderabad

Prakriti Programme

ICFRE- Forest Research Institute, Dehradun

- A group of 114 students with 5 teachers of JNV, Shankarpur visited various museums of ICFRE-FRI, Dehradun on 19th December 2023. They were also briefed about Mission LIFE.



A group of 114 students briefed about Mission LIFE

ICFRE- Institute of Forest Genetics & Tree Breeding, Coimbatore

- A group of 532 students from Kathiravan Matriculation Higher Secondary School, Tirupur, Amrita Vidhyalaya School, Coimbatore, Oxford Modern Matriculation School, Coimbatore, Good shepherd tuition centre and Venkateswara Vidhya Mandir, Tirupur participated in Student Connect Programme conducted by ICFRE-IFGTB on 1st December to 26th December 2023. Lectures on Introduction to Bio-Technology, Climate

change and Agroforestry, Forest and its importance, Biomolecules Genie in the biological system and Introduction of DNA finger printing and Genetic Transformation were delivered to students.

ICFRE- Institute of Wood Science and Technology, Bengaluru

- A group of 370 students with 2 faculty and 13 teachers from College of Horticulture and Forestry from Rani Lakshmi Bai Central Agriculture University, Jhansi, Reva University, Bangalore, Nitte School of Fashion Technology, Bangalore and Hymamshu Jyothi Kala Peetha Composite Higher Primary School visited Interpretation Centre of ICFRE-IWST Bengaluru on 7th, 12th, 13th, 21st and 22nd December 2023.



A group of 370 students from various schools and college visited ICFRE-IWST, Bengaluru



A group of 370 students from various schools and college visited ICFRE-IWST, Bengaluru

ICFRE- Institute of Forest Productivity, Ranchi

- A group of 111 students of Jawahar Navodaya Vidyalaya, Hazaribagh participated in Vigyan Jyoti programme organized by ICFRE-IFP, Ranchi on 12th December 2023. They were apprised about environment conservation and Bamboo Gardening .



Students of JNV, Hazaribagh participated in Vigyan Jyoti Programme

ICFRE-Himalayan Forest Research Institute, Shimla

- 30 students of Centre of Excellence, Government College Sanjauli, Shimla visited HFRI and were apprised about research and extension activities of institute and importance of Urban Forestry on 7th December 2023.



Students from Center of Excellence Govt. College Sanjauli visited HFRI, Shimla

- About 41 students of College of Forestry Navsari, Agricultural University Gujarat visited ICFRE-HFRI, Shimla on 16th December 2023. They were briefed about Himalayan Ecosystem and role of Himalayan region in ecology and environment .

ICFRE-Institute of Forest Biodiversity, Hyderabad

- A group of 115 students of KV, Bowenpally, Telangana and KV , Begumpet, Telangana participated in Mission LiFE & Sustainable Development programme organized by ICFRE- IFB, Hyderabad on 20th & 22nd December 2023.

ICFRE- Tropical Forest Research Institute, Jabalpur

- ICFRE-TFRI technologies were demonstrated to 516 students of Govt. Shramodaya residential School Mangali Jabalpur, PM Shree Kendriya Vidhyalaya Katni and Govt H. School Ghunsoor, Jabalpur (M.P.) and 67 NCC Cadets along with NCC officers on 4th, 8th, 13th, 20th and 29th December 2023 respectively.



ICFRE-TFRI, Jbalpur technologies were demonstrated to variousschool students

Awareness and Demonstration Programme

ICFRE- Arid Forest Research Institute, Jodhpur

- A group of 39 trainees along with faculty from Haryana Forestry Training Institute, Sohna, Gurugram, Haryana, visited ICFRE-AFRI, Jodhpur, on 7th December 2023. They were briefed about overview of the research activities of the institute, VMG of Shisham clone, Thar Shobha, Khejri and Guggal trials. Trainees also visited the Model Nursery and were explained about the various nursery techniques.



39 Trainees from HFTI, Sohna Gurugram, Haryana visited ICFRE-AFRI, Jodhpur

- A group of 60 students of B.Sc. (Hons.) Agriculture, from College of Agriculture, Junagarh Agriculture University, Amreli (Gujarat) visited the Interpretation Centre, with 3 faculty members under RAWEP-Education Tour Program on 9th December 2023. They were briefed about research activities, Khejri trial and VMG of Shisham clone. A short documentary on AFRI was also shown to the visitors.

ICFRE- Institute of Wood Science and Technology, Bengaluru

- Demonstration of Mechanical refining of wood to 03 Industry representatives/ Entrepreneurs on 11th December 2023.
- About 43 Range Forest Officer trainees from Kundal Forest Academy, Maharashtra visited Tissue culture Lab, Wood Anatomy lab, Wood Museum & AWTC on 9th December 2023.



43 Range Forest Officer Trainees from KFA, Maharashtra visited ICFRE-IWST, Bengaluru

- Organized lecture on 'Genetic fidelity testing of TC plants', 'Recording observations and data analysis in PTC' and demonstrated 'DNA extraction and PCR for fidelity testing' to 3 trainees at TC lab on 6th Dec 2023.
- Delivered a lecture on Comparative Phenological patterns in tropical dry & wet forests of Southern India, at National seminar on plant Biodiversity, Genetics, Breeding and Biotechnology organized by Department of Botany, University of Calicut, Kerala.

ICFRE- Rain Forest Research Institute, Jorhat

- A group of 74 students along with teachers from Rajabhar High School, Jorhat, Lakshmi Union High School, Jorhat, Indian Institute of Forest Management, Bhopal visited Nursery Bambusetum, Bamboo Composite Center of ICFRE-RFRI, Jorhat on 1st, 22nd, and 26th December 2023.

ICFRE- Institute of Forest Productivity, Ranchi

- A group of 111 students of Jawahar Navodaya Vidyalaya, Hazaribagh participated in Vigyan Jyoti Programme organized by ICFRE-IFP, Ranchi on 12th December 2023 and they were apprised about environment conservation and Bamboo Gardening.



ICFRE-IFP, Ranchi organized a Vigyan Jyoti Programme

- 60 students of KV, Chhapra & technical officer of IFP Ranchi participated in Environment Awareness Programme organized by IFP, Ranchi at Forestry Research and Extension Center Cum Van Vigyan Kendra, Jadua, Hajipur, Bihar on 04.12.2023. They were apprised on nature conservation and waste management.



ICFRE-IFP, Ranchi conducted an Environment Awareness Programme at VVK, Hajipur (Bihar)

ICFRE- Himalayan Forest Research Institute, Shimla

- Shared dias with Padmashree Sh. Nek Ram Sharma and also delivered an invited lecture on 'Medicinal Plants of Himachal Pradesh and the Role of Traditional and Cultural Practices Associated'; during the 'Capacity Building Workshop on Millets and Medicinal Plants organised by the Utkrisht Government Senior Secondary School, Baldeyan on 4th December 2023 and sponsored by HIMCOSTE. More

than 500 participants including school children, their parents, SMC members, and staff of the school participated in the programme.

- Delivered lecture on 'Rudiments of Plant Taxonomy – emphasis on Nomenclature and Classification'; during the 'National Workshop cum Seminar on current trends of Research in Biological Sciences' organized by the Department of Bio Sciences, HP University on 30th December, 2023. More than 150 participants including post graduate students (Botany & Zoology), and other stakeholders like Scientists, Academicians and Research Scholars participated in the programme.
- Delivered a talk on “Emerging threats of insect pests attacks in NW Himalaya: Challenges and opportunities” during the conference on 2nd & 4th December 2023.
- Delivered an invited talk on Application of Modern Tools and Techniques in Insect Identification and Characterization in the two days National Workshop-cum-Seminar on current trends of research in biological sciences organized by Department of Biosciences, Himachal Pradesh University, Summer Hill, Shimla (HP) on 29th & 30th December 2023.
- 24 students of MSc. Microbiology visited Van Vigyan Kendra cum Field Research Station, Jagatsukh, Manali of ICFRE-HFRI, Shimla on 05th December 2023. They were apprised about various ongoing research activities at the station.



Students of MSc. Microbiology visited VVK-cum-FRS, Jagatsukh, Manali of ICFRE-HFRI, Shimla

ICFRE-Institute of Forest Biodiversity, Hyderabad

- A group of 20 students of Rani Lakshmi Bai Central Agricultural University, Uttar Pradesh attend an interactive session organized by ICFRE- IFB, Hyderabad on 05th December 2023.
- 25 students of Andhra University, Andhra Pradesh participated in interactive session on Marine Biology and Fishery on 18th December 2023 organised by ICFRE-CEC, Vishkapatanam under institutional visit.



Visit to Institutes

- Dr. Surabhi Rai IFS, DIGF(R&T), MoEF&CC visited ICFRE-IWST on 1st December 2023. Interaction with officers and scientists was held regarding research activities, capacity building program sponsored by the Ministry and policy support of IWST on wood sector. Also visited IPIRTI campus of IWST and Advanced Wood working Training Centre of IWST.



Dr. Surabhi Rai, IFS, DIGF(R&T), MoEF&CC visited to IPIRTI campus IWST



Hindi Karyashala organized by ICFRE Institutes

Rajbhasha Activities

Hindi Karyashala organized by:

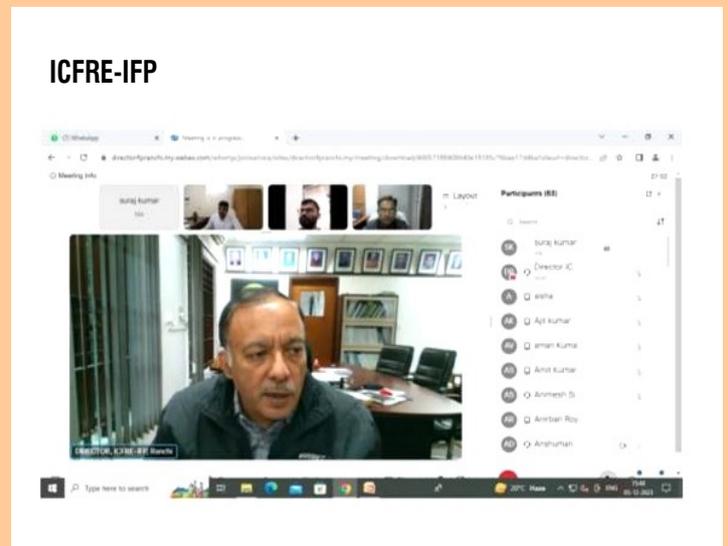
- ICFRE- TFRI, Jabalpur on 11th & 15th December 2023.
- ICFRE-IFP, Ranchi on 22nd December 2023.
- ICFRE-HFRI, Shimla on 14th December 2023.

Miscellaneous

- ICFRE and its institutions celebrated the International Mountain Day on 11th December 2023.



- ICFRE and its institutions celebrated the World Soil Day on 5th December 2023.



International Mountain Day was celebrated by ICFRE institutes

World Soil Day was celebrated by ICFRE institutes

- ICFRE-IWST, AFRI celebrated Mahapari Nirvan Diwas by offering floral tribute to Dr. B. R. Ambedkar on 6th December 2023.



ICFRE-AFRI and IWST celebrated MahapariNirvan Diwas

- ICFRE-IFP, Ranchi organized Good Governance Week on 19th December 2023.

HR NEWS

Appointment On Deputation

Name of Officer	Date
Smt. Kanchan Devi, IFS, Director General, ICFRE	01.12.2023

Appointments Regular

Name of Officer	Date
Shri Vishnu Prasad Sahu, Scientist-B, ICFRE-FRI, Dehradun	22.12.2023
Km. Muna Tamang, Scientist-B, ICFRE- RFRI, Jorhat	26.12.2023
Shri. Atahar Perwez, Scientist-B, ICFRE-AFRI, Jodhpur	29.12.2023

Retirement

Name of Officer	Date
Dr. Sangeeta Gupta, Scientist-G, ICFRE-FRI, Dehradun	31.12.2023
Dr. Shyam Vishwanath, Scientist-G, ICFRE-IFGTB, Coimbatore	31.12.2023
Shri Hari Ram Borah, CTO, ICFRE -RFRI, Jorhat	31.12.2023

Patron:

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

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