



Indian Council of  
Forestry Research  
Education

(An Autonomous body under the  
MoEF&CC, Government of India)

# ICFRE NEWSLETTER

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## Visit of Director General, ICFRE to RFRI, Jorhat

- Smt. Kanchan Devi, IFS, Director General, ICFRE Dehradun visited ICFRE-RFRI, Jorhat from 27<sup>th</sup> to 28<sup>th</sup> April 2025 and inaugurated the “Bamboo Museum and Interpretation Centre; Forest Genetic Resources & Compositing Unit; and Upgraded Tissue Culture Laboratory” at ICFRE-RFRI, Jorhat.



**Inauguration of Bamboo Museum and Interpretation Centre, Forest Genetic Resources & Compositing Unit and Upgraded Tissue Culture Laboratory at ICFRE-RFRI, Jorhat**

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## Mission LiFE

### ICFRE-Forest Research Institute, Dehradun

- ICFRE-FRI, Dehradun organized awareness programme on “Lifestyle for Environment” on 14<sup>th</sup> April 2025 at ICFRE-FRI, Dehradun. 10 students participated in the programme. They were made aware about Mission LiFE activities during the programme.



**Awareness programme on “Lifestyle for Environment” by ICFRE-FRI, Dehradun**



- ICFRE-FRI, Dehradun organized Maintenance and Caretaking programme under Ek Ped Maa Ke Naam campaign on 11<sup>th</sup> April 2025 at ICFRE-FRI, Dehradun campus. 15 students participated in the programme.



**Maintenance and Caretaking programme under Ek Ped Maa Ke Naam by ICFRE-FRI, Dehradun**

### **ICFRE-Himalayan Forest Research Institute , Shimla**

- ICFRE-HFRI, Shimla organized Awareness Programme on 14<sup>th</sup> April 2025 at Ladyani, Ghumarwin, Bilaspur, H.P. for 100 participants including students, SHGs member and local people from Ladyani, Bilaspur (H.P.). They were made aware about energy and water conservation, reduction of single-use plastics, and solid and e-waste management, encouraging sustainable lifestyle practices.

### **ICFRE-Institute of Forest Biodiversity, Hyderabad**

- ICFRE-IFB, Hyderabad organized awareness programme on “Single Use Plastic Reduced & E-Waste Reduced” on 11<sup>th</sup> April 2025 at Suchitra and weekly market of Bahadurpally, Hyderabad.



**Awareness programme on “Single Use Plastic Reduced and E-Waste Reduced” by ICFRE-IFB, Hyderabad**

- ICFRE-CEC, Visakhapatnam, organized awareness programme on “Single Use Plastic Reduced, Save Water, Healthy Lifestyle and Reduced Waste” on 24<sup>th</sup> April 2025 at Port area and Auto stand, RK Beach, Vizag, Visakhapatnam.



**Awareness programme on “Single Use Plastic Reduced Save Water, Healthy Lifestyle and E-Waste Reduced” by ICFRE-CEC, Visakhapatnam**

## **Significant Research Finding**

### **ICFRE-Forest Research Institute, Dehradun**

- DNA extraction of *Trilidium* was optimized and amplified with trnE-F and trnH-psbA.



- Quantitative profiling of 14 phytochemicals Ecdysone, Govanoside D, Govanoside B, Govanoside C, Clintonioside B, Helonin B, Protodioscin, Govanoside F, Pregnachacotrioside, Pennogenin Tetraglycoside, Pennogenin Triglycoside, Pennogenin Diglycoside, Borasoside E, and Borasoside D was conducted in *Trillium govanianum* rhizomes collected from Govind Pashu Vihar, Uttarkashi, Uttarakhand. Protodioscin showed the highest concentration in sample T3RBKD (32.69 mg/g), followed by Govanoside D in T2BKD (32.43 mg/g). Ecdysone and Pregnachacotrioside were consistently detected across all samples. Clintonioside B, Helonin B, and Pennogenin Diglycoside were either absent or present in trace amounts. The findings reveal notable chemotypic variation among the populations studied.
- Essential oils were extracted from various parts of *Lindera pulcherrima*, including the inflorescence, leaves, wood, and the whole plant. The yields obtained were 0.768% from the inflorescence, 0.625% from the leaves, 0.051% from the wood, and 0.515% from the total plant material.

### **ICFRE-Rain Forest Research Institute, Jorhat**

- Stored the seeds of *Bambusa bambos* at 7% moisture content under ambient condition & medium term storage (4°C and 35% RH). Seeds stored under ambient condition lost viability after 4 month.
- Developed seed leaflets of 10 economic important species of North East India for dissemination of seed technology knowledge to the various stakeholders. Seed storage behaviour was assessed for different forestry species and the seeds of 39 FGR species deposited at NBPGRI New Delhi for long term seed storage.
- Vegetative propagation of *S. dullooa* through culm cuttings treated with 1000 ppm of IBA mixed with talc powder, applied directly to the

buds of the nodal region, resulted in better rooting and survival percentages. This method can be used for the large-scale cultivation of *S. dullooa*.



Macropropagated propagules of *Schizostachyum dullooa*

- Developed three site-specific bamboo-based windbreak model plantations by using three bamboo species namely *Thyrsostachys oliveri*, *Bambusa balcooa* & *Bambusa polymorpha* in South Tripura (01 model plantation) and West Tripura (02 model plantations) and their management practices.



# World Earth Day

- ICFRE institutes celebrated World Earth Day on 22<sup>nd</sup> April 2025.





## Workshops/Seminars/Meetings

### Indian Council of Forestry Research and Education

- |    |  |                             |   |
|----|--|-----------------------------|---|
| 01 | Development of Curriculum & Training Module on Forest Landscape Restoration and Land Degradation Neutrality  | 02 <sup>nd</sup> April 2025 | 33 participants from IGNFA, DFE, CASFOS and ICFRE(HQ) |
| 02 | In Collaboration with NAEB conducted workshop on Implementation of DPR for Rejuvenation of major Indian River Systems through Forestry Interventions | 25 <sup>th</sup> April 2025 | 50 officers from MoEF&CC, MoJS and ICFRE              |



**Workshop on “Development of Curriculum & Training Module on Forest Landscape Restoration and Land Degradation Neutrality” by ICFRE, Dehradun**



**Workshop on “Implementation of DPR for Rejuvenation of major Indian River Systems through Forestry Interventions” by ICFRE, Dehradun**

### ICFRE-Rain Forest Research Institute, Jorhat

- |    |  |                             |  |
|----|--|-----------------------------|--|
| 03 | Identifying collaborative opportunities in critical thematic areas         | 23 <sup>rd</sup> April 2025 | 15 Participants including Scientists and officers from ICFRE-RFRI, Jorhat and ICICI Foundation, Guwahati |
| 04 | The research needs and potential opportunities in the North Eastern region | 28 <sup>th</sup> April 2025 | 100 participants including Scientists and Officers from ICFRE-RFRI, Jorhat                               |



**Meeting on “The research needs and potential opportunities in the North Eastern region” by ICFRE-RFRI, Jorhat**



**ICFRE- Institute of Forest Biodiversity, Hyderabad**

05	(a) iGOT portal (b) Establishment of Demo Village	07 <sup>th</sup> April 2025	25 participants including Scientists, Research scholars and Field Research staff of ICFRE-IFB, Hyderabad
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**ICFRE- Institute of Wood Science and Technology, Bengaluru**

06	Building with Bamboo Sustainable Innovation and Techniques	15 <sup>th</sup> to 16 <sup>th</sup> April 2025	45 students from Department of Architecture, Reva University, Bengaluru
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Meeting on (a) iGOT portal (b) Establishment of Demo Village” by ICFRE-IFB, Hyderabad



Workshop on “Building with Bamboo Sustainable Innovation and Techniques” by ICFRE-IWST, Bengaluru

**ICFRE- Institute of Forest Productivity, Ranchi**

07	Scientific interventions in respect to forest biodiversity, ecosystem and services and the future course of action	25 <sup>th</sup> April 2025	30 participants including Scientists, Researchers and Officers of ICFRE-IFP, Ranchi
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**ICFRE- Himalayan Forest Research Institute, Shimla**

08	High Altitude Transition Zone-Long Term studies to assess the impact of Global warming and Climate Change	29 <sup>th</sup> April 2025	Scientists, Research scholars and Field Research staff of ICFRE-HFRI, Shimla
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**Training Programmes****ICFRE- Arid Forest Research Institute, Jodhpur**

01	The endophytic behavior of entomopathogenic fungi as biological control agents against subterranean termites	17 <sup>th</sup> April 2025	20 Range Officers from Khatipura and Govindpura Nurseries
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**ICFRE- Institute of Wood Science and Technology, Bengaluru**

02	Plywood Manufacturing Technology	01 <sup>st</sup> to 05 <sup>th</sup> April 2025	30 participants from Plywood & Panel Industrialists, Entrepreneur and other Stakeholders of Bengaluru
03	Sandalwood Farming and management of its Health	21 <sup>st</sup> to 25 <sup>th</sup> April 2025	24 participants including farmers and stakeholders of Bengaluru





**Training on “Sandalwood Farming Management of its Health” by ICFRE-IWST, Bengaluru**

### **ICFRE- Rain Forest Research Institute, Jorhat**

04	Capacity-Building programme on Forest Inventory for Carbon Stock estimation	08 <sup>th</sup> to 09 <sup>th</sup> April 2025	15 Participants including Foresters and Forest Guards from Manipur State Forest Department
05	Agarwood Cultivation and Artificial Inoculation at its premises	22 <sup>nd</sup> to 24 <sup>th</sup> April 2025	21 participants from NERCORMS, Meghalaya



**Training on “Capacity-Building programme on Forest Inventory for Carbon Stock estimation” by ICFRE-RFRI, Jorhat**



**Training on “Agarwood Cultivation and Artificial Inoculation at its premises” by ICFRE-RFRI, Jorhat**

### **ICFRE- Institute of Forest Genetics & Tree Breeding, Coimbatore**

06	Agroforestry Models – Establishment and Management (Three Trainings)	03 <sup>rd</sup> , 08 <sup>th</sup> & 09 <sup>th</sup> April 2025	120 participants from Tamil Nadu Forest Department
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Training on “Agroforestry Models-Establishment and Management” by ICFRE-IFGTB, Coimbatore



## Activities under Van Vigyan Kendra

### ICFRE-Rain Forest Research Institute, Jorhat

- ICFRE-BRC, Aizawl organized training programme on “Lichens and Mushrooms” from 24<sup>th</sup> to 25<sup>th</sup> April 2025 at ICFRE-BRC, Aizawl. 26 students from Government Zirtiri Residential Science College, Aizawl participated in the programme.



Training on “Lichens and Mushrooms” by ICFRE-BRC, Aizawl

### ICFRE-Himalayan Forest Research Institute, Shimla

- 15 students from Shashank Model Public School, Gojra, Jagatsukh visited Van Vigyan Kendra, Jagatsukh, Manali on 22<sup>nd</sup> April 2025.

They were briefed about Importance of Medicinal Plant during the visit.



Students from Shashank Model Public School, Gojra, Jagatsukh visited VVK, Jagatsukh, Manali

## Memorandum of Understanding

- ICFRE-RFRI, Jorhat signed MoU with The National Institute of Pharmaceutical Education and Research, Guwahati on 16<sup>th</sup> April 2025 for periodically assess the progress of mutual cooperation and collaborations, including joint research projects of mutual interests.
- ICFRE-IFP, Ranchi signed MoU with Gua Ore Mines, Bokaro Steel Limited, Steel Authority of India Limited on 30<sup>th</sup> April 2025 for the collaborative work to be undertaken for 'Ecological restoration of 16-hectare waste dump, barren & safety zone area of Gua Ore Mine through forestry interventions.





**MoU signed between ICFRE-RFRI, Jorhat and The National Institute of Pharmaceutical Education and Research, Guwahati**



**Training on "Seed Ball Preparation and the Conservation of Rare, Endangered, and Threatened (RET) Species" by ICFRE-TFRI, Jabalpur**



**MoU signed between ICFRE-IFP, Ranchi and Gua Ore Mines, Bokaro Steel Limited, Steel Authority of India Limited**

## Prakriti Programme

### ICFRE-Institute of Forest Genetics & Tree Breeding, Coimbatore

- 50 students from Government Higher Secondary School, Coimbatore visited Gass Forest Museum of ICFRE-IFGTB, Coimbatore on 17<sup>th</sup> April 2025. They were briefed about various research activities of institute.

### ICFRE-Tropical Forest Research Institute, Jabalpur

- ICFRE-TFRI, Jabalpur organized training programme on "Seed Ball Preparation and the Conservation of Rare, Endangered, and Threatened (RET) Species" on 26<sup>th</sup> April 2025 at ICFRE-TFRI, Jabalpur. 70 students including teachers from Kendriya Vidyalaya, TFRI, Jabalpur participated in the programme.

### ICFRE-Institute of Forest Biodiversity, Hyderabad

- 250 students along with teachers from Kendriya Vidyalaya, Malkapuram visited The Interpretation Unit of ICFRE-CEC, Visakhapatnam on 07<sup>th</sup> April 2025. They were briefed about technologies developed at Interpretation Unit.

### ICFRE-Arid Forest Research Institute, Jodhpur

- 198 students along with teachers from PM Shri K.V. Nagaur, Rajasthan visited Interpretation Centre, VMG of Shisham clone and Neem Patti khad pits of ICFRE-AFRI, Jodhpur on 15<sup>th</sup> April 2025.



**Students from K.V. Nagaur, Rajasthan visited ICFRE-AFRI, Jodhpur**



## ICFRE-Institute of Wood Science and Technology, Bengaluru

- 80 students along with teachers from NET Public School, Basavanagudi visited Nursery, Wood Museum, Technology Demonstration Centre & Advanced Woodworking Training Centre of ICFRE-IWST, Bengaluru on 08<sup>th</sup> April 2025. They were made aware about various research activities of institute.



**Students from NET Public School, Basavanagudi visited ICFRE-IWST, Bengaluru**

- 60 students along with teachers from Government School of Davanagere Rural Districts participated in Science Tour-2025 on 22<sup>nd</sup> April 2025 organized by Karnataka Rajya Vignana Parishat, Davanagere at ICFRE-IWST, Bengaluru.



**Students from Government School of Davanagere Rural District visited ICFRE-IWST, Bengaluru**

## **Awareness and Demonstration Programme**

### ICFRE-Institute of Wood Science and Technology, Bengaluru

- 184 students along with faculties from Bharatiya Engineering Science and Technology Innovation University, Andhra Pradesh, School of Sciences, JAIN (Deemed to be University), JC Road, Bengaluru, Maharani Lakshmi Ammanni College for Women, NMKRV College for women and BMS college for Women, Basavanagudi, Bengaluru visited Xylarium, Wood Museum, Woodworkshop, Wood Anatomy Lab, Advanced Woodworking Training Centre & TDC of ICFRE-IWST, Bengaluru on 02<sup>nd</sup>, 21<sup>st</sup>, 25<sup>th</sup>, 28<sup>th</sup> & 29<sup>th</sup> April 2025.



**Students from BMS college for Women, Basavanagudi, Bengaluru visited ICFRE-IWST, Bengaluru**

### ICFRE-Institute of Forest Genetics & Tree Breeding, Coimbatore

- 122 students along with faculties from EASA College of Engineering and Technologies, Coimbatore, Mepco Schlenck Engineering College, Sivakasi and Bishop Appasamy College of Education, Coimbatore visited Gass Forest Museum, Chemistry and Bioprospecting Lab of ICFRE-IFGTB, Coimbatore on 02<sup>nd</sup>, 17<sup>th</sup> & 30<sup>th</sup> April 2025. Lecture on Importance of Forest were also delivered to students.





**Students from EASA College of Engineering and Technologies, Coimbatore visited ICFRE-IFGTB, Coimbatore**

### **ICFRE-Institute of Forest Biodiversity, Hyderabad**

- 53 students along with faculties from School of Agricultural Science, Malla Reddy University, Hyderabad visited ICFRE-IFB, Hyderabad on 09<sup>th</sup> April 2025. They were briefed about various research activities of institute.



**Students from School of Agricultural Science, Malla Reddy University, Hyderabad visited ICFRE-IFB, Hyderabad**

### **ICFRE-Himalayan Forest Research Institute, Shimla**

- 100 students along with faculties from Jigyasa University, Dehradun, Bhartiya College of Agriculture, Durg, Chhatisgarh and Forest College and Research Institute, Methupalayam visited ICFRE-HFRI, Shimla on 03<sup>rd</sup>, 24<sup>th</sup> & 29<sup>th</sup> April 2025.



**Students from Forest College and Research Institute, Methupalayam visited ICFRE-HFRI, Shimla**

### **ICFRE-Institute of Forest Productivity, Ranchi**

- 123 students from Marwari College, Ranchi University and Sai Nath University, Ranchi visited Tissue Culture Lab, nurseries, Bamboosetum of ICFRE-IFP, Ranchi on 16<sup>th</sup> & 22<sup>nd</sup> April 2025.



**Students from Marwari College, visited ICFRE-IFP, Ranchi**

### **Visit to Institutes**

- Mr. Nuzota Swuro, Ex-MLA and present Chairman of Nagaland Bamboo Development Agency visited Bamboo Nursery, Bambusetum and Bamboo germplasm of ICFRE-RFRI, Jorhat on 03<sup>rd</sup> April 2025.



- Shri Bharat Jyoti, IFS, Chairman State Biodiversity Board, Bihar visited ICFRE-IFP, Ranchi on 25<sup>th</sup> April 2025. He also reviewed Research and Development activities of the institute.



**Shri Bharat Jyoti, IFS, Chairman State Biodiversity Board, Bihar visited ICFRE-IFP, Ranchi**

- Shri Giriraj Singh, Union Minister of Textile and Shri Ganesh Joshi, Minister of Agriculture & Farmers Welfare, Uttarakhand visited ICFRE-FRI, Dehradun from 20<sup>th</sup> to 21<sup>st</sup> April 2025.



**Shri Giriraj Singh, Union Minister of Textile and Shri Ganesh Joshi, Minister of Agriculture & Farmer Welfare, Uttarakhand visited ICFRE-FRI, Dehradun**

## Rajbhasha Activities

- ICFRE-IFGTB, Coimbatore organized hindi workshop on “Hindi Noting-Drafting in E-office” on 24<sup>th</sup> April 2025. 20 officials of ICFRE-IFGTB, Coimbatore participated in the workshop.



**Workshop on “Hindi Noting-Drafting in E-Office” by ICFRE-IFGTB, Coimbatore**

## Miscellaneous

- Dr. B.R. Ambedkar 134<sup>th</sup> Birth Anniversary was celebrated on 14<sup>th</sup> April 2025 by ICFRE- AFRI, Jodhpur, ICFRE-IFGTB, Coimbatore and ICFRE-IWST, Bengaluru.



**ICFRE-IFGTB**



**ICFRE-AFRI**





- ICFRE-FRI, Dehradun celebrated World Heritage Day 2025 and also organized Heritage Walk on 18<sup>th</sup> April 2025 at ICFRE-FRI, campus. More than 50 participants participated in the programme.



**ICFRE-FRI, Dehradun organized "Heritage Walk" at ICFRE-FRI campus**

- Poshan Pakwada organized by ICFRE-HFRI, Shimla, ICFRE-TFRI, Jabalpur and ICFRE-IFP, Ranchi from 8<sup>th</sup> to 23<sup>rd</sup> April 2025.



## HR NEWS

### PROMOTION

Name of Officer	Date
Dr. Hemlata, ICFRE-AFRI, Jodhpur to ICFRE-TFRI, Jabalpur, Section Officer	01.04.2025
Sh. Laxman Singh Rathore, ICFRE-AFRI, Jodhpur to ICFRE-IFGTB, Coimbatore, Section Officer	08.04.2025
Sh. Badri Sen Negi, ICFRE-HFRI, Shimla to ICFRE-IFP, Ranchi, Section Officer	21.04.2025

### RETIREMENT

Name of Officer	Date
Dr. Runumee Devi Borthakur, CTO, ICFRE-RFRI, Jorhat	30.04.2025
Sh. Manoj Chauhan, CTO, ICFRE-AFRI, Jodhpur	30.04.2025
Sh. G. Subhas Chandra Bosh, Under Secretary, ICFRE-IWST, Bengaluru	30.04.2025



**REPATRIATION****Name of Officer**

Dr. Vinay Kant Misra, IFS, DCF,  
ADG(Edu. & RB), ICFRE(HQ)

**Date**

01.04.2025

**Patron:**

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

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