



Indian Council of
Forestry Research
and Education

NEWS LETTER

OCTOBER 2024

Volume 24 No.10



CONTENTS

Pg
No.

Visit of Parliamentary Committee

01

Mission LiFE

01

155th Mahatma Gandhi Birth
Anniversary

02

Significant Research Finding

02

Workshops/Seminars/Meetings

03

Training Programmes

04

Activities under Demo Village

07

Memorandum of Understanding

07

Prakriti Programme

08

Awareness and Demonstration
Programme

09

Participation in Exhibition

10

Visit to Institutes

10

Miscellaneous

11

HR NEWS

14

Visit of Parliamentary Committee

- Parliamentary Standing Committee visited ICFRE-IFB, Hyderabad and reviewed implementation of official language in the institute. Dr. Sudir Kumar, DDG (Extension), ICFRE, Dehradun, Shri Satyajit Mishra, Joint Secretary, MoEF&CC and Dr. Urmila Harit, Director (Rajbhasha), MoEF&CC were also present during the visit.



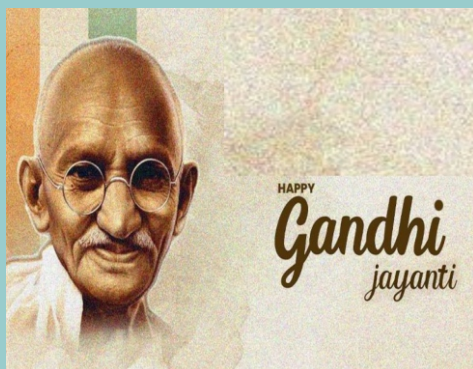
Mission LiFE

- Plantation activities were carried out at ICFRE Headquarter, under Ek_Ped_ Maa_Ke_Naam campaign.



155th Mahatma Gandhi Birth Anniversary

- ICFRE Headquarter, Institutes and Centres celebrated 155th Mahatma Ghandhi Birth Anniversary on 02nd October 2024.



Significant Research Finding

ICFRE-Institute of Forest Genetics & Tree Breeding, Coimbatore

- Established two *germplasm* banks one each for *Limonia acidissima* (0.32 ha) and *Pithecellobium dulce* (0.4 ha) at Tiruvannamalai field gene bank comprising 40 CPTs and 50 CPTs respectively in five replications in 4x4 m spacing.
- The seedlings of *Santalum album* and *Melia dubia* were inoculated with biofertilizers at seedling stage in different combinations and thereafter planted in the field. The suitable biofertilizers consortia that improved the growth and biomass of both the tree species was combination of AM fungi + Phosphate solubilising bacteria + Potassium mobilizing bacteria + Azospirillum.

ICFRE- Institute of Wood Science and Technology, Bengaluru

- The replacement of lignin on phenol was studied for 30% to 60% with incremental increase by 10. Plywood of 4mm and 12mm of size 244 cm x 122 cm were made and evaluated for physical and mechanical properties as per IS 303, specification for general-purpose plywood and also for bond quality as per IS 848: 2006. The plywood samples conform to the requirement of boiling water

resistance (BWR) grade as per IS 303 and IS: 848:2006.

- Study on Bamboo strip bending was carried out using microwave (MW) technique. The work on optimization of parameter such as kW power (2kw, 3kw, 4kw and 5kw) and MW timing (1 min, 1.30 min, 2min, 2.30 min, 3min, 3.30 min and 4 min) was performed. The optimise MW parameter for bamboo strip bending was found to be 4 min MW radiation at 2kw MW power.

ICFRE- Institute of Forest Biodiversity, Hyderabad

- A putative novel *arepavirus*, named areca palm necrotic ringspot virus 2 (ANRSV2), was discovered in necrotic ringspot diseased areca palms in Bantwal, Karnataka through RNA-sequencing and transmission electron microscopy. Further, the presence of ANRSV2 in the diseased samples was confirmed through reverse transcriptase-polymerase chain reaction assays. In addition, by mining public domain transcriptome data for arepaviral sequences, identified a putative novel arepavirus in *Psychotria rubra*, a nonpalm host. Also recovered the genome sequences of the areca palm necrotic ringspot virus in honey bees, tomato, *Onobrychis viciifolia*, and *Rhamnus heterophylla*.

Workshops/Seminars/Meetings

Indian Council of Forestry Research & Education

1.	Establishment of Wood Identification and Screening Centre	29 th October 2024	Officers, Scientists and Researchers from United States Forest Services and ICFRE-FRI, Dehradun
2.	Forest Fire Management	29 th October 2024	Officers from different Forest Department and UTs

ICFRE- Forest Research Institute, Dehradun

3.	Human wildlife conflict: Issues, challenges and way forward	03 rd October 2024	70 participants including Scientists, Researchers and Officers from Wild Life Institute of India and ICFRE Institutes
----	---	-------------------------------	---

ICFRE- Institute of Forest Productivity, Ranchi

4.	The wild tree saplings and other forest species to be planted for the restoration of mines and such plant species which can nurture wildlife	03 rd October 2024	11 participants including Scientists, Researchers and Officers of Institute
5.	Molecular Diversity, Bioactive principles and Conservation of <i>Ophicordyceps sinensis</i>	04 th October 2024	Scientists, Researchers and Officers of Institute



Workshop on “The wild tree sapling and other forest species to be planted for the restoration of mines and such plant species which can nurture wildlife” by ICFRE-IFP, Ranchi



Workshop on “Molecular Diversity, Bioactive principles and Conservation of *Ophicordyceps sinensis*” by ICFRE-IFP, Ranchi

ICFRE- Himalayan Forest Research Institute, Shimla

6.	Wetlands: Threats, Management and Rejuvenation Strategies	29 th October 2024	Scientists, Technical staff, Research staff of institute
----	---	-------------------------------	--

ICFRE- Institute of Wood Science and Technology, Bengaluru

7.	Plywood, block board and flush door	21 st October 2024	Entrepreneurs, Students
----	-------------------------------------	-------------------------------	-------------------------

ICFRE- Institute of Forest Genetics & Tree Breeding, Coimbatore

- | | | | |
|----|---|-------------------------------|---|
| 8. | Presentation of New Project proposal for financial assistance | 04 th October 2024 | 13 participants including scientists and officers from institute and NABARD, Coimbatore |
|----|---|-------------------------------|---|

ICFRE- Institute of Forest Biodiversity, Hyderabad

- | | | | |
|----|---|-------------------------------|---|
| 9. | Tools and Technologies developed by Forest-PLUS 2.0/3.0 | 09 th October 2024 | Scientists, Researchers and Officers of Institute |
|----|---|-------------------------------|---|



Workshop on “Presentation of New Project Proposal for Financial Assistance” by ICFRE-IFGTB, Coimbatore



Workshop on “Tools and Technologies developed by Forest- PLUS 2.0/3.0” by ICFRE-IFB, Hyderabad

Trainings Programme

Indian Council of Forestry Research & Education

- | | | | |
|----|--------------------------------------|---|--|
| 1. | Forest Rules, Ecology & Biodiversity | 01 st to 04 th October 2024 | 26 Executives from South Eastern Coalfields Ltd., Bilaspur, Chhattisgarh |
|----|--------------------------------------|---|--|



Training programme on “Forest Rules, Ecology & Biodiversity” by ICFRE, Dehradun

- | | | | |
|----|----------|-------------------------------|---|
| 2. | E-Office | 24 th October 2024 | Administrative staffs from ICFRE and all its institutes |
|----|----------|-------------------------------|---|

ICFRE- Forest Research Institute, Dehradun

- | | | | |
|----|---|---|---|
| 3. | Seasoning & Preservation of Wood & Bamboo | 21 st to 25 th
October
2024 | 29 participants from the Greater City Timber Merchants & Saw Millers Association, Hyderabad |
|----|---|---|---|



Training programme on “Seasoning & Preservation of Wood & Bamboo” by ICFRE-FRI, Dehradun

ICFRE- Himalayan Forest Research Institute, Shimla

- | | | | |
|----|--|----------------------------------|--|
| 4. | Fodder Bank Management and Silage Preparation and Storage Method | 04 th October
2024 | 30 Farmers from Baragaon Village |
| 5. | Ecofriendly Insect-pests management of Shisham and Deodar in nursery and plantations | 10 th October
2024 | 30 officer from Himachal Pradesh Forest Department |



Training programme on “Fodder Bank Management and Silage Preparation and Storage Method” by ICFRE-HFRI, Shimla



Training programme on “Ecofriendly Insect-Pests management of Shisham and Deodar in nursery and plantation” by ICFRE-HFRI, Shimla

- | | | | |
|----|--------------------------------------|----------------------------------|---|
| 6. | Soil Test Based Management Practices | 08 th October
2024 | 40 participants including Range Officers and Block Officers from Himachal Pradesh Forest Department |
|----|--------------------------------------|----------------------------------|---|

ICFRE- Institute of Wood Science and Technology, Bengaluru

7.	National Building Code of India 2016 – Structural Design	08 th October 2024	Participants including Civil Engineers and Entrepreneurs from National Institute of Training for Standardization, Noida
----	--	-------------------------------	---

ICFRE- Arid Forest Research Institute, Jodhpur

8.	Cyber Hygiene and Security	01 st October 2024	25 participants including Officers, Scientists of Institute
9.	Nursery technologies for arid and semi-arid zone species	09 th to 11 th October 2024	34 participants including officers, scientist and chief technical officers of institute



Training programme on “Cyber Hygiene and Security” by ICFRE-AFRI, Jodhpur



Training programme on “Nursery technologies for arid and semi-arid zone species” by ICFRE-AFRI, Jodhpur

ICFRE- Rain Forest Research Institute, Jorhat

10.	Bamboo Jewellery and Utility Handicrafts for Livelihood Development	30 th September to 02 nd October 2024	25 Bamboo Artisans from Tripura
11.	Propagation and cultivation of <i>Schumannianthus dichotomus</i>	04 th October 2024	47 participants including range officers, Foresters, Forest Guard from Barapahar, Kohora, Barori and Agaratali forest range



Training programme on “Bamboo Jewellery and Utility Handicrafts for Livelihood Development” by ICFRE-RFRI, Jorhat



Training programme on “Propagation and Cultivation of *Schumannianthus dichotomus*” by ICFRE-RFRI, Jorhat

12.	Bio-fertilizers and Mushroom Cultivation	08 th October 2024	40 Self Help Group members from Nari Circle, Arunachal Pradesh
13.	Skill Development Training on Bamboo	23 rd to 25 th October 2024	06 trainees from Centre for Microfinance & Livelihood, Guwahati



Training programme on “Skill Development training on Bamboo” by ICFRE-RFRI, Jorhat

Activities under Demo Village

- ICFRE-IFGTB, Coimbatore organized a plantation drive on 06th October 2024 at Demo Village, Gudalur panchayat, Dindigul, Coimbatore where 1800 seedlings of teak, red sander, casuarina, eucalyptus, gmelina, and mahogany were planted.



Inaugurated the Planting activity by ICFRE-IFGTB, Coimbatore at Demo Village, Gudalur panchayat, Dindigul, Coimbatore

Memorandum of Understanding

- MoU signed between ICFRE-HFRI, Shimla and Himachal Pradesh Integrated Development Project (HP-IDP), Solan on 01st October 2024 for technical assistance and guidance in forestry related initiatives under HP-IDP, capacity building and training of HP-IDP staff and stakeholders and development as well as execution of relevant forestry related projects.



Signing of MoU between ICFRE-HFRI, Shimla and HP-IDP, Solan, Himachal Pradesh

- MoU was signed between ICFRE-IFGTB, Coimbatore and Kygros Agritec & Tropical Biosciences, Pala on 23rd October 2024 for large scale production and supply of three Teak clones.



Signing of MoU between ICFRE-IFGTB, Coimbatore and Kygros Agritec & Tropical Biosciences, Pala

- MoU was signed between ICFRE-IFP, Ranchi and Koderma Thermal Power Station, DVC on 15th October 2024 for developing theme based green belt in and around Koderma Thermal Power Station Township through different forestry inventions.



Signing of MoU between ICFRE-IFB, Hyderabad and Koderma Thermal Power Station, DVC

- MoU was signed between ICFRE-FRI, Dehradun and Hemvati Nandan Bahuguna Garhwal University, Srinagar on 28th October 2024 for developing and functioning of new Van Vigyan Kendra (VVK) within the premises of HNB Garhwal University, Srinagar.

Prakriti Programme

ICFRE- Arid Forest Research Institute, Jodhpur

- ICFRE-AFRI, Jodhpur organized an awareness programme on 24th October at PM Shri Kendriya Vidhyalaya, Border Security Force, Jodhpur. 70 participants including students and teachers

participated in the programme. Lecture on Work being done by AFRI for Environment and Biodiversity conservation along with the technologies developed by institute were also delivered to students.



Visit of students from PM Shri Kendriya Vidhyalaya, Border Security Force, Jodhpur to ICFRE-AFRI, Jodhpur

ICFRE-Rain Forest Research Institute, Jorhat

- 23 students along with teachers from Dalakakharia Lower Primary School, Dhalajan, Jorhat visited ICFRE-RFRI, Jorhat on 04th October 2024. They were made aware about the activities of the institute.



Visit of students from Dalakakharia Lower Primary School, Dhalajan, Jorhat to ICFRE-RFRI, Jorhat

ICFRE-Institute of Forest Genetics & Tree Breeding, Coimbatore

- 166 students along with teachers from R.C. Government Higher Secondary School – Ondipudur, Coimbatore and Corporation SRP Ammani Ammal Government Higher Secondary School, Coimbatore, Delhi Public School,

Coimbatore and Govt Girls Higher Secondary School, Singanalur visited ICFRE-IFGTB, Coimbatore on 03rd, 04th, 08th and 09th October 2024. Lecture on Diversity of Flowering plant species of Western Ghats, Tamil Nadu, Benefits of Tree Planting, Glimpses of Plant diversity in North West Himalayas and Insect pest and diseases also delivered to students.



Visit of students from Govt. Girls Higher Secondary School, Singanalur to ICFRE-IFGTB, Coimbatore

College, Madurai, KLE Society's Nijalingappa College, Rajajinagar, Forest Research Institute, Dehradun and Dyananda Sagara University, Bengaluru visited Tissue Culture lab, Xylarium, Nursery, Wood Workshop, Advanced Wood Working Training Centre and Wood Museum of ICFRE-IWST, Bengaluru on 09th, 16th, 23rd & 25th October 2024. They were briefed about Wood Properties & Processing and Sandalwood Cultivation and its prospects.



Visit of students from Dyananda Sagara University, Bengaluru to ICFRE-IWST, Bengaluru

ICFRE- Institute of Forest Biodiversity, Hyderabad

- A group of 50 students from Kendriya Vidyalaya No.2, Vijayanagara participated in programme conducted by ICFRE-IFB, Hyderabad from 11th to 12th October 2024 at KV. Lecture on “Biodiversity and Ecological Role of Mangroves” were delivered to students.



Visit of students from Kendriya Vidyalaya No.2, Vijayanagara to ICFRE-IFB, Hyderabad

Awareness Programme

ICFRE- Institute of Wood Science and Technology, Bengaluru

- 193 students along with faculties from the American

- 40 RFO trainees from Telengana Forest Academy, Hyderabad visited Tissue Culture lab, Xylarium, Nursery, Wood Workshop, Advanced Wood Working Training Centre and Wood Museum of ICFRE-IWST, Bengaluru on 28th October 2024.

ICFRE- Arid Forest Research Institute, Jodhpur

- 46 ACFs trainees from CASFOS, Burnihat, Assam visited ICFRE-AFRI, Jodhpur on 06th October 2024. They were briefed about Artificial Intelligence and Neural network based tool “BirdNet” for recognizing birds by their sounds.



46 ACFs trainees from CASFOS, Burnihat, Assam visited ICFRE-AFRI, Jodhpur

- 38 students along with faculties from Mugneeram Bangur Memorial University, Jodhpur and Dr. Rajendra Prasad Central Agricultural University, Piprakothi, Bihar visited ICFRE-AFRI, Jodhpur on 22nd October 2024. They were briefed about research activities of institute.

ICFRE-Tropical Forest Research Institute, Jabalpur

- A group of 100 students along with faculties from Shri Guru Tegh bahadur Khalsa College, Jabalpur visited ICFRE-TFRI, Jabalpur on 26th October 2024. Lecture on HPLC and Instrumentation were also delivered to students.

ICFRE- Himalayan Forest Research Institute, Shimla

- A group of 85 students along with faculties from Kotshera College, Shimla visited ICFRE-HFRI, Shimla on 07th October 2024. They were briefed about R&D activities of the institutes

ICFRE- Institute of Forest Genetics & Tree Breeding, Coimbatore

- 192 students along with faculties from VLB Janaki Ammal College of Arts and Science, PSG Arts and Science College, Coimbatore, Tamil Nadu, Model School Teachers and Forest Research Institute, Dehradun visited ICFRE-IFGTB, Coimbatore on 4th, 8th, 25th and 26th October 2024. Lecture on Diversity of Flowering plant species of Western Ghats, Tamil Nadu, Wellness of health with Traditional medicines, Benefits of Tree Planting, Glimpses of Plant diversity in North West Himalayas and Insect pest and diseases were delivered to students.



Visit of students from PSG Arts and Science College, Coimbatore to ICFRE-IFGTB, Coimbatore

ICFRE- Institute of Forest Biodiversity, Hyderabad

- 126 students along with faculty from Shri Kashyap College, Visakhapatnam and Forest Research Institute, Dehradun visited ICFRE-IFB, Hyderabad on 04th & 19th October 2024. They were briefed about Research Activities of institute.

Participation in Exhibition

- ICFRE-AFRI, Jodhpur participated and installed display stall in “Shashakt Rajasthan” from 16th to 18th October 2024 at Abu Road, Sirohi, Rajasthan and showcased various R&D activities of institute. About 400 farmers, students, Forest Officials from adjoining areas participated in the event.



Stall by ICFRE-AFRI, Jodhpur in “Shashakt Rajasthan” at Abu Road, Sirohi, Rajasthan

Visit to Institutes

- Sri Arun Kumar Bansal, IFS, former ADG (Forest) and former DG, ICFRE, Dehradun visited ICFRE-RFRI, Jorhat on 25th October 2024. He also reviewed Research and Development activities of the institute.



Shri Arun Kumar Bansal, IFS, former ADG (Forest) and former DG, ICFRE, Dehradun visited ICFRE-RFRI, Jorhat

Miscellaneous

Vigilance Awareness Week 2024

- Vigilance Awareness Week celebrated from 28th October to 03rd November 2024 by ICFRE Headquarter, Institute and Centres.



Wildlife Week

- Wild life Week celebrated from 02nd to 08th October 2024 by ICFRE , Institute and Centres.



Swachhata Campaign 4.0

- ICFRE, HQ, institutes & centres participated in Swachhata Campaign 4.0 from 02nd to 31st October 2024.



149th Sardar Vallabhbhai Patel Birth Anniversary

- 149th Sardar Vallabhbhai Patel Birth Anniversary celebrated on 30th October 2024 by ICFRE , Headquarter, ICFRE-FRI, Dehradun and ICFRE-IFP, Ranchi.



HR NEWS

RETIREMENT

Name of Officer	Date
Dr. Jagdeesh Singh, Scientist-G , ICFRE-HFRI, Shimla	31.10.2024
Sh. Pradeep Kumar Hazarika, STO, ICFRE-RFRI, Jorhat	01.10.2024

APPOINTMENTS REGULAR

Name of Officer	Date
Sh. Shubham Saini, Scientist-B, ICFRE-AFRI, Jodhpur	16.10.2024

Patron:

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

Editorial Board:

Dr. Sudhir Kumar, DDG(Extn.), Chairman

Dr. Geeta Joshi, ADG (M&Extn.), Honorary Editor

Dr. Vishwajeet Sharma, STO, (M&Extn.), Member

Assistance:

Mr. Prince, Technical Assistant, (M&Extn.)

Disclaimer

- Published for private circulation only.
- The content in the Newsletter do not necessarily reflect the view of the Editorial Board.
- ICFRE is not responsible for any loss or damage, whatsoever may be due to the information published here.