

CONTENTS

Pg
No.

Van Mahotsav

01

Mission LiFE

02

Significant Research Finding

03

Participation in Exhibition

03

Workshops/Seminars/Meetings

04

Training Programmes

05

Activities under Van Vigyan Kendra

08

Memorandum of Understanding

08

Prakriti Programme

09

Awareness and Demonstration
Programme

10

Rajbhasha Activity

12

Visit to Institutes

12

Miscellaneous

12

HR NEWS

13

Van Mahotsav

- Van Mahotsav was celebrated from 1st to 7th July 2024 by ICFRE institutes and centres.



ICFRE-FRI



ICFRE-AFRI



ICFRE-IFB



ICFRE-IFGTB



ICFRE-TFRI



ICFRE-HFRI



ICFRE-IFP

Mission LiFE

Ek_Ped_Maa_Ke_Naam campaign

- Plantation Activities was carried out by ICFRE institutes and centres under Ek_Ped_Maa_Ke_Naam campaign.



Significant Research Finding

ICFRE-Forest Research Institute, Dehradun

- Seeds of *Ochlandra scriptoria* were sown in vermiculite, sand and saw dust and the germination percent of seed was 40%, 10% and 44% respectively. Germination test was conducted in the stored seeds of *Dendrocalamus strictus* at 14% and 12% SMC and *Bambusa bambos* at 7% and 10% SMC and germination percent was reported 67% , 56%, 84% and 87% respectively.

papaya leaf crumple virus (PaLCrV) isolate. In addition, two small non-canonical open reading frames (C5 and C6) were determined in the complementary strand of CitLCuV genome. Phylogenetic analysis revealed the relatedness of CitLCuV to PaLCrV and rose leaf curl virus. Recombination analysis detected a possible recombination event in CitLCuV genome. Based on begomovirus species demarcation criteria, CitLCuV is regarded as a novel begomoviral species

ICFRE-Institute of Forest Genetics & Tree Breeding, Coimbatore

- Under the efforts to domesticate and conserve genetic resources of Red sanders in its native distribution, exploration surveys were carried out in the Forest divisions of Chittoor, Tirupati, Annamayya and Kadapa in Andhra Pradesh. Around 151 beats spread over 23 ranges were surveyed and 1,513 genetic resources of red sander with straightness and clear bole height were selected.

ICFRE- Tropical Forest Research Institute, Jabalpur

- Prepared and submitted 10 years Periodic Review Report of Achanakmar Amarkantak Biosphere Reserve (AABR) to Director, AABR for onward submission to United Nations Educational, Scientific and Cultural Organization (UNESCO) - Man and the Biosphere (MAB) Programme with fulfilling the criteria of Article 4 of the Statutory Framework.

ICFRE- Institute of Forest Biodiversity, Hyderabad

- A novel monopartite begomovirus, named tentatively as “Citharexylum leaf curl virus” (CitLCuV), associated with leaf curl disease of *Citharexylum spinosum* in India was identified and its genome was sequenced. CitLCuV genome (2767 nucleotide) shared the maximum nucleotide sequence identity of 89.7% with a

Participation in Exhibition

- ICFRE-IFGTB, Coimbatore participated and installed display stall in 22nd edition of India's Prime Agriculture Trade Fair “AGRI INTEX 2024” organized by CODISSIA Intec Technology Centre from 11th to 15th July 2024 at CODISSIA Trade Fair Complex Avinash road, Coimbatore and showcased various R&D activities of institute.



Stall by ICFRE-IFGTB, in 22nd edition of India's Prime Agriculture Trade Fair, Coimbatore

Workshops/Seminars/Meetings

ICFRE- Arid Forest Research Institute, Jodhpur

1.	Assessment of Water requirement of different Forest Tree species and its impact on sub-soil moisture	30 th July 2024	Officials from ICFRE-FRI, Dehradun
2.	Plant Insect Interaction: Time to Unlock Molecular Mechanisms	24 th July 2024	30 Participants including Scientist and Chief Technical Officers of institute



Workshop on "Assessment of Water requirement of different Forest Tree species and its impact on sub-soil moisture" by ICFRE-AFRI, Jodhpur



Workshop on "Plant Insect Interaction: Time to unlock Molecular Mechanisms" by ICFRE-AFRI, Jodhpur

ICFRE- Institute of Wood Science and Technology, Bengaluru

3.	Plywood, Panel and Furniture Industry Meet - Need for forward and backward linkage	15 th July 2024	151 participants from Plywood, Panel and Furniture Industry and Researchers
----	--	----------------------------	---

ICFRE- Himalayan Forest Research Institute, Shimla

4.	Ecology of soil seed banks: Implications for biodiversity conservation and restoration of natural vegetation	29 th July 2024	41 participants including Scientists, Technical Staff and Research Staff of institute
----	--	----------------------------	---

ICFRE- Institute of Forest Biodiversity, Hyderabad

5.	One Man's Trash is Another Man's Treasure: Unveiling the hitherto hidden genetic diversity of plants viruses through Data-Driven virus Discovery	12 th July 2024	15 staff of IFB, Hyderabad
6.	Food processing using Wild forest fruits and different edible part of plants to convert into value added	25 th July 2024	Official staff from IFB and CSIR-CFTRI

Training Programmes

ICFRE- Himalayan Forest Research Institute, Shimla

1.	Important Wild Edible Fruit Species of Himachal Pradesh	22 nd July 2024	50 participants including Forest Guards and Frontline Staff from Himachal Pradesh Forest Department
2.	Combating Desertification by Enhancing Vegetation Cover and people Livelihoods	22 nd July 2024	35 farmers from Tabo and Mane Gram Panchayat



Training programme on “ Important Wild Edible Fruit Species of Himachal Pradesh” by ICFRE-HFRI, Shimla



Training programme on “ Combating Desertification by Enhancing Vegetation Cover and People Livelihoods” by ICFRE-HFRI, Shimla

3.	Ecosystem Approach and Technological Innovations in Forest Management	24 th July 2024	90 participants including Technical Staff, Research Scholars from HFRI, Shimla
4.	Role of Agroforestry in Trans Himalayan Cold Deserts for Augmenting Additional Income of Local Communities	23 rd July 2024	35 farmers from Tabo, Poh, Hurling and Lari villages of Spiti Valley



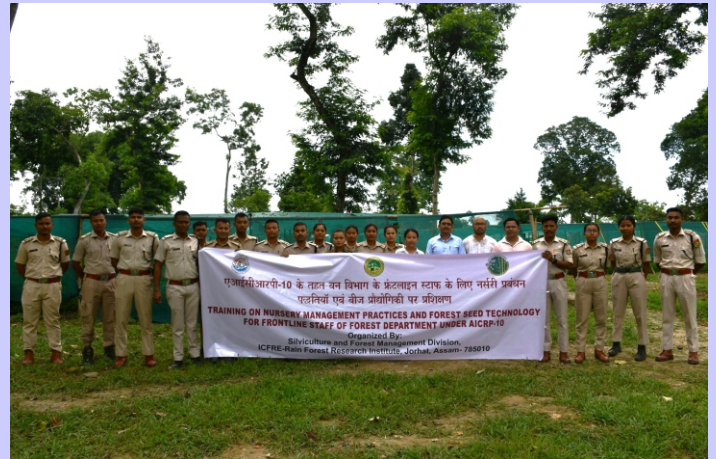
Training programme on “ Role of Agroforestry in trans Himalayan Cold Desert for Augmenting Additional income of local Communities” by ICFRE-HFRI, Shimla

ICFRE- Rain Forest Research Institute, Jorhat

- | | | | |
|----|---|----------------------------|---|
| 5. | Forest Seed Technology & Nursery Management | 13 th July 2024 | 15 Frontline Staff from Korea Division, Baikunthpur, Chhatishgarh Forest Department |
| 6. | Nursery Management Practices and Forest Seed Technology | 12 th July 2024 | 19 Frontline Staff from Jorhat Forest Division, Assam |



Training programme on “ Forest Seed technology & Nursery Management” by ICFRE-RFRI, Jorhat



Training programme on “ Nursery Management Practices and forest Seed Technology” by ICFRE-RFRI, Jorhat

- | | | | |
|----|---|----------------------------|----------------------------|
| 7. | Bamboo Propagation and Nursery Management | 15 th July 2024 | 22 Self Help Group Members |
| 8. | Nursery and Plantation Technology of Forestry Species | 12 th July 2024 | 13 Farmers from Assam |



Training programme on “ Bamboo Propagation and Nursery Management” by ICFRE-RFRI, Jorhat



Training programme on “ Nursery and Plantation Technology of Forestry Species” by ICFRE-RFRI, Jorhat

ICFRE- Institute of Wood Science and Technology, Bengaluru

9.	Wood based packaging materials	08 th to 09 th July 2024	10 Executives from M/S SIGNODE India Pvt. Ltd
10.	Enhancing Productivity of Forest Corporation through Value Addition to Wood	22 nd to 26 th July 2024	9 IFS officers from different state Forest Departments



Training programme on “Wood based packaging materials” by ICFRE-IWST, Bengaluru



Training programme on “Enhancing Productivity of Forest Corporation Value Addition to Wood” by ICFRE-IWST, Bengaluru

ICFRE- Tropical Forest Research Institute, Jabalpur

11.	Propagation, Conservation and Sustainable management of Wild Edible Fruiting Species	12 th July 2024	43 Frontline staff from Maharastra state Forest Department
-----	--	-------------------------------	--

ICFRE-Institute of Forest Genetics & Tree Breeding, Coimbatore

12.	Plantation Management and Tree Genie	13 th July 2024	70 Field supervisors of Tamil Nadu Newsprint and Papers Ltd.
-----	--------------------------------------	-------------------------------	--

ICFRE- Arid Forest Research Institute, Jodhpur

13.	Process of plantation on sand dune and preparation of seedlings by seed, cutting and air layering	26 th July 2024	23 participants including farmers and villagers from Udasar, Bikaner
-----	---	-------------------------------	--



Training programme on “Plantation Management and Tree Genie” by ICFRE-IFGTB, Coimbatore



Training programme on “Process of plantation on sand dune and preparation of seedlings” by ICFRE-AFRI, Jodhpur

Activities under Van Vigyan Kendra

ICFRE- Institute of Wood Science and Technology, Bengaluru

- 40 farmers from Kandali, Hassan participated in training programme on “Sandalwood based Agroforestry Models & its Health” organized by ICFRE-IWST, Bengaluru on 30th July 2024 at KVK, Kandali, Hassan.



ICFRE-IWST, Bengaluru organized a training programme on “Sandalwood based Agroforestry Models & its Health” under VVK

ICFRE- Tropical Forest Research Institute, Jabalpur

- 43 Frontline Staff from Maharashtra State Forest Department participated in training programme on “Seed quality assurance (SQA) in forestry sector” organized by ICFRE-TFRI, Jabalpur on 11th July 2024 at VVK, Chandrapur.



Training programme on “Seed Quality Assurance in Forestry Sector” under VVK by ICFRE-TFRI, Jabalpur

ICFRE- Himalayan Forest Research Institute, Shimla

- ICFRE-HFRI, Shimla organized a Plantation activity on 11th July 2024 at VVK, Badami Bagh

Leh. 12 participants from Skara Yokma panchayat participated in plantation activity & planted 20 seedling of Salix.



ICFRE-HFRI, Shimla organized a Plantation Activity at VVK, Badami Bagh, Leh

Memorandum of Understanding

- MoU was signed between ICFRE, Headquarter and Space Application Centre, ISRO, Ahmedabad on 9th July 2024 for achieving the shared goal of disseminating scientific knowledge & technologies for achieving land degradation neutrality, ecological security, livelihood enhancement & sustainable use of natural resources.



Signing of MoU between ICFRE(HQ) and Space Application Center, ISRO, Ahmedabad

- MoU was signed between ICFRE- IWST, Bangalore and Maharani Lakshmi Ammanni College for Women, Bangalore on 19th July 2024 for academic and technical collaboration and sharing of facilities.



Signing of MoU between ICFRE-IWST, Bengaluru and Maharani Lakshmi Ammanni College for Women, Bengaluru

- MoU was signed between Director ICFRE-TFRI, Jabalpur and Chief Conservator of Forest, Indore, Madhya Pradesh on 25th July 2024 for establishment of New VVK at Indore, Madhya Pradesh.



Signing of MoU between ICFRE-TFRI, Jabalpur and Chief Conservator of Forest, Indore, Madhya Pradesh

- MoU was signed between ICFRE-BRC, Aizawl and Government Zirtiri Residential Science College, Durtlang on 29th July 2024 for mutual cooperation and collaboration in Research, Education and Extension activities.



Signing of MoU ICFRE-BRC, Aizawl and Government Zirtiri Residential Science College, Durtlang

- MoU was signed between ICFRE-IFB, Hyderabad and Brandix India Pvt. Ltd., Visakhapatnam on 10th July 2024 for "Inventory of Carbon Sequestration Potential in green Belt of Brandix, Atchutapuram, Visakhapatnam".



Signing of MoU between ICFRE-IFB, Hyderabad and Brandix India Pvt. Ltd., Visakhapatnam

Prakriti Programme

ICFRE- Institute of Wood Science and Technology, Bengaluru

- 426 students along with teachers from Government School, Koratagere, Tumkur, Mitra Academy Arekere, Bengaluru, ten Brook Academy, Basavanagudi and Government School, Madhugiri, Tumkar visited Tissue Culture lab, Xylarium, Nursery, Wood Workshop, Advanced Wood Working Training Centre and Wood Museum of ICFRE-IWST, Bengaluru on 9th, 10th, 12th and 23rd July 2024. They were briefed about Wood Properties & Processing and Sandalwood Cultivation and its prospects.



Visit of students from Mitra Academy, Arekere, Bengaluru to ICFRE-IWST, Bengaluru

ICFRE-Institute of Forest Genetics & Tree Breeding, Coimbatore

- 406 students along with their teachers from Coimbatore Cloth Merchant Association Government Girls Higher Secondary School, Government High School, Gandhimanagar, Indian Public School, Kavilpalayam and Chinmaya Vidhyalaya Matriculation Higher Secondary School, Coimbatore visited ICFRE-IFGTB, Coimbatore on 5th, 16th, 18th and 22nd July 2024. Lecture on Bio-Prospecting & Natural Resources, Plant Diversity and its importance, Migration in Birds, Deforestation and its impact and Water Pollution were also delivered to students.



Visit of students from Indian Public School, Kavilpalayam to ICFRE-IFGTB, Coimbatore

ICFRE- Institute of Forest Productivity, Ranchi

- A group of 56 students along with teachers from D.A.V. Anand Swami Public School, Hehal, Ranchi visited ICFRE-IFP, Ranchi on 10th July 2024. They were briefed about the research and development activities of institute.



Visit of students from D.A.V. Anand Swami Public School, Hehal, Ranchi to ICFRE-IFP, Ranchi

ICFRE-Arid Forest Research Institute, Jodhpur

- 83 students along with teachers from RSM

International School, Saraswati Nagar, Jodhpur and Mahatma Gandhi Government School, Basini, Jodhpur visited ICFRE-AFRI, Jodhpur on 19th July 2024.



Visit of students from RSM International School, Sarabwati Nagar to ICFRE-AFRI, Jodhpur

- A group of 23 students from Jawahar Navodaya Vidyalaya, Mohangarh, Jaisalmer participated in Plantation Programme organized by ICFRE-AFRI, Jodhpur on 25th July 2024 at Jawahar Navodaya Vidyalaya, Mohangarh, Jaisalmer. They were briefed about Biopesticides & Bio fertilizers and also planted 23 plants.



Students from Jawahar Navodaya Vidyalaya, Mohangarh, Jaisalmer participated in "Plantation Programme" organized by ICFRE-AFRI, Jodhpur

Awareness and Demonstration Programme

ICFRE- Institute of Wood Science and Technology, Bengaluru

- A group of 14 students from College of Forestry, SHUATS, Prayagraj visited ICFRE-IWST, Bengaluru on 2nd July 2024. They were briefed about the Research and Development activities of the institute.



Visit of students from College of Forestry, SHUATS, Prayagraj to ICFRE-IWST, Bengaluru

- 41 RFO trainees from Karnataka Forest Academy, Dharwad visited Tissue Culture lab, Xylarium, Nursery, Wood Workshop, Advanced Wood Working Training Centre and Wood Museum ICFRE-IWST, Bengaluru on 16th July 2024. They were briefed about Wood Properties & Processing and Sandalwood Cultivation and its prospects.



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

ICFRE- Tropical Forest Research Institute, Jabalpur

- 35 FRO trainees from Telangana Forest Academy, Hyderabad visited ICFRE-TFRI, Jabalpur on 18th July 2024. They were explained about TFRI, Jabalpur technologies displayed in the museum cum interpretation centre of the institute.

ICFRE- Himalayan Forest Research Institute, Shimla

- A group of 20 students along with faculties from RABL College of Agriculture & Research Station, Chhuikhadan, Chattisgarh visited ICFRE-HFRI, Shimla on 1st July 2024. They

were briefed about the Research and Development activities of the institute.



Visit of students from RABL College of Agriculture & Research Station, Chhuikhadan, Chattisgarh to ICFRE-HFRI, Shimla

ICFRE- Rain Forest Research Institute, Jorhat

- 182 participants from Assam Agriculture University, Jorhat and Tata Trusts, Guwahati visited ICFRE-RFRI, Jorhat on 3rd, 5th, 30th and 31st July 2024. They were briefed about overview of the activities of the institutes, Bamboo Cultivation, Propagation, Nursery Management, Value addition & Bamboo preservation techniques, Biotechnology and Tissue Culture, Identification of the wild edible Mushroom, Lac Cultivation, Vermicomposting and Agar plantation.



Visit of students from Assam Agriculture University, Jorhat visited ICFRE-RFRI, Jorhat

ICFRE-Institute of Forest Genetics & Tree Breeding, Coimbatore

- 200 Students along with their faculties from Avinashilingam University, Coimbatore, Forest College and Research Institute, Mettupalayam, Shri Narayana College, Chempazhanthy, Kerala and Amrita School of Ayurveda, Kollam, Kerala

visited ICFRE-IFGTB, Coimbatore on 8th, 9th, 18th and 19th July 2024. They were briefed about research and development activities of the institute and lecture on Food and Environment were also delivered to participants.



Visit of students from Forest College and Research Institute, Mettupalayam, visited ICFRE-IFGTB, Coimbatore

(M&Extn.), ICFRE. 24 participants from ICFRE, Headquarter participated in training programme.



ICFRE, Headquarter organized a training on "Kanthasth Translation Tool"

Visit to Institutes

ICFRE-Arid Forest Research Institute, Jodhpur

35 FRO trainees from Telengana State Forest Academy, Dulapally, Hyderabad visited ICFRE-AFRI, Jodhpur on 9th July 2024. 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.



35 FRO trainees from Telengana State Forest Academy Dulapally, Hyderabad visited ICFRE-AFRI, Jodhpur

Rajbhasha Activity

- ICFRE, Headquarter organized a training programme on "Kanthasth Translation Tool" from 8th to 12th July 2024. Training was inaugurated by Dr. Geeta Joshi, ADG

- Shri Vinay Kumar, IFS, Director (IC) & DDG (Admin), ICFRE, Dehradun visited ICFRE-Institute of Forest Biodiversity, Hyderabad on 22nd July 2024. He also reviewed Research and Development activities of the institute.



Shri Vinay Kumar, IFS, Director (IC) & DDG (Admin), ICFRE, Dehradun visited ICFRE-IFB, Hyderabad

Miscellaneous

- ICFRE-IFB, Hyderabad celebrated World Mangrove Day on 26th July 2024 at Sh. VS Shivalingam Chettair Government Degree College, Sallurupeta.



World Mangrove Day was celebrated by ICFRE-IFB, Hyderabad

HR NEWS

RETIREMENT

Name of Officer	Date
Sh. Subhash Chandra, Scientist-E, ICFRE-IFP, Ranchi	31.07.2024
Sh. Rajendra Kumar Sarvate, ACTO, ICFRE-AFRI, Jodhpur	31.07.2024

PROMOTION

Name of Officer	Date
Sh. Narendra Sen, Dy. Ranger, ICFRE-HFRI, Shimla to the post of Forest Range Officer at ICFRE-FRI, Dehradun	15.07.2024

REPATRIATION

Name of Officer	Date
Dr. M.P. Singh IFS, Director ICFRE-IWST, Bengaluru	15.07.2024

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.