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Azadi ka Amrit Mahotsav

- IWST, Bengaluru conducted a webinar on 'Agrwood certification: Overcoming a trade barrier' on 1 August 2022.
- IFP, Ranchi organized a training programme on Lac Products on 3 August 2022 in Rodo village of Torpa block of Khunti district. The programme was organized on the topic Means of Employment in which 45 villagers participated.
- HFRI, Shimla celebrated 73rdVan Mahotsav on 3 August 2022 at Tutikandi, Shimla along with the local residents and HP Forest department.
 Scientists, officers and employees of the institute and villagers participated in the plantation programme.
- TFRI, Jabalpur organized a TFRI Cricket League on 4 August 2022.
 Scientist, officers and other staff members participated in the competition.
- IFB, Hyderabad organized Quit India Movement Day on 8 August 2022.
 Officers, scientists and technical staff participated in this programme.



HFRI, Shimla celebrated 73rd Van Mahotsav



IFP, Ranchi organized a training programme on Lac Products

Azadi ka Amrit Mahotsay

- IWST, Bengaluru conducted a onsite awareness programme on Protection of Trees under Urban Development Projects at HAL, Helicopter Division, Vimanapura on 11 August 2022. Field officers, RFOs from the Forest Wing of BBMP and Field staff of proponent agency (Coast Guard Aeronautical Overseeing Team) participated in the programme.
- RFRI, Jorhat conducted various programmes such as Extempore Speech, Essay writing and Quiz competition on 11 and 12 August 2022. Employees of RFRI, Jorhat and various students participated in the competition.



IWST, Bengaluru organized onsite awareness programme on Protection of Trees under Urban Development Projects



RFRI, Jorhat organized Essay Competition for students

- IFB, Hyderabad organized International Day of World's Indigenous People on 12 August 2022. Officers, scientists and technical staff participated in this programme.
- FRCLE, Agartala organized a drawing competition on 12 August 2022 for school children.
- IFP, Ranchi organized Har Ghar Tiranga as per the directives of Government of India on 13 to 15 August 2022.
- FRC-ER, Prayagraj organized India@75 Conclave on 14 August 2022. Experts from various fields viz. social sciences, agriculture, medicine, literature, art and culture deliberated upon country's achievements in 75 years of independence.



IFB, Hyderabad organized International Day of World's Indigenous People



FRCLE, Agartala organized a drawing competition for school children



IFP, Ranchi organized Har Ghar Tiranga



FRC-ER, Prayagraj organized India@75 Conclave

76th INDEPENDENCE DAY

• 76thIndependence Day celebrated on 15 August 2022 by FRI, Dehradun, ICFRE, Dehradun, IFGTB, Coimbatrore, IWST, Bengaluru, HFRI, Shimla, IFB, Hyderabad, IFP, Ranchi, AFRI, Jodhpur, RFRI, Jorhat and TFRI, Jabalpur and centres.























- IFP, Ranchi organized training programme on Bamboo propagation and management and a lecture on Value addition and means of employment on 19 August 2022. Farmers and artisans participated in the programmes.
- FRI, Dehradun organized a lecture on Scope and prospects of forestry research and education on 22 August 2022. B.Sc. and M.Sc. agriculture students of College of Agriculture,



- Odisha University of Agriculture and Technology and Bermuda Biological Station for Research, participated in the programme.
- वन उत्दाकता संस्थान, रांची ने दिनांक 27 सितंबर 2022 को औषधीय पौधों द्वारा आयवर्धन पर प्रशिक्षण कार्यक्रम का आयोजन किया।



Significant Research Findings

Forest Research Institute, Dehradun

Identity of the marker compound arjunic acid isolated from bark of Terminalia arjuna using flash chromatography was confirmed by co-TLC and NMR (¹H and ¹³C) spectroscopy data.

Institute of Forest Genetics and Tree Breeding, Coimbatore

- Chromatographic characterization of Asparagus racemosus Willd through GC/MS/MS analysis revealed the presence of phyto-compounds with significant anti-inflammatory activity.
- Conducted field survey for high fruit yielding Madhuca longifolia in Salem district, Tamil Nadu, and recorded a branch with 25 bunches of fruits. Fruits and seeds were collected and variation was documented.
- Recorded the growth data of second generation *Eucalyptus* camaldulensis clones and found that clones viz., 5, 19, 31, 35, 54, 80, 98, 119, 122, 126, 128, 129, 164, 167, 185, 219, 234, 311, 357, 363 performed better in Clonal trials established at Marakkanam and Chennai.

Consultancies

Indian Council of Forestry Research and Education, Dehradun

Works on the twelve different scientific consultancy projects Pg No. were carried out during the period.

Reports submitted:

- Final report of Ecological Studies related to Niljay OC Coal Mines submitted to Western Coalfield Limited, Maharashtra.
- Final report of Ecological Studies related to Umrer OC Coal Mines submitted to Western Coalfield Limited, Maharashtra.
- iii) Draft final report on Environmental Management, Reclamation & Rehabilitation Plan for Deposit-10 of BIOM, Bacheli Complex, Dantewada District, Chhattisgarh submitted to NMDC, Chhattisgarh.
- iv) Draft of final report on Monitoring of NTPC Accelerated Afforestation Programme of 10 Million Tree Plantation in Seven Different States submitted to NTPC, Noida.
- Draft Environmental Audit reports of Krishnashila, v) Dudhichua, Binaand Nigahi OCPs of NCL submitted to Coal India Limited (CIL), Kolkata.
- vi) Resubmission of EA reports of Balaram and Hingula OCPs of MCL submitted to Coal India Limited (CIL), Kolkata.
- Revised draft report of Biodiversity Assessment Impact vii) and Mitigation Measures for Chakla Open Cast Coal Block Mine in North Karanpura Coalfield Chakla, Latehar, Jharkhand submitted to Hindalco Industries Ltd. Chandwa, Latehar, Jharkhand.

ICFRE Observations Submitted

- i) Enhancement of Production Capacity of IyliGurunath Iron Ore Mine (ML No. 2593) of M/s. Ramgad Minerals & Mining Ltd (RMML) [Ref.: CEC letter F.No.2-75/CEC/SC/2018-Pt.X dated 02 June 2022] submitted to CEC of Hon'able Supreme Court of India.
- ii) Enhancement of Production Capacity of Jiginihalli Manganese ore Mine (ML No2482) of M/s. Marwa Mining Company (MMC) [Ref.: CEC letter F.No.2-75/CEC/SC/2018-Pt.X dated 16 June 2022] submitted to CEC of Hon'able Supreme Court of India.

Institute of Forest Genetics and Tree Breeding, Coimbatore

As part ongoing consultancy project with Andhra Paper Limited, a team of scientists visited field trials of Casuarina and *Leucaena* established in East and West Godavari districts of Andhra Pradesh from 11 July 2022 to 14 July 2022. Sample plots were jointly assessed with APL team for growth, tree form and wood characters. Technical inputs were given for selection of outstanding clones, adopting most effective spacing in plantations and conversion of trials into seed orchards.

Participation in Kisan Mela

HFRI, Shimla participated in Apple Kisan Mela at Dr. Y.S. Parmar University of Horticulture and Forestry, Nauni Solan, Shimla on 8 August 2022.



Workshops/Seminars/Meetings

S.No.	Topic	Duration	Beneficiaries	
Forest Research Institute, Dehradun				
1.	Workshop on Environmental History, Commonwealth Foresty & the Challenges of Climate Change	4 August 2022	Officers of ICFRE, FRI and NGO's	
2.	Online lecture on Biological control of Parthenium hysterophorus	22 August 2022	Scientists, HODs and students	
3.	Seminar on Agroforestry for Climate Change Mitigation	26 August 2022	Students, HODs and students of FRIDU	

Institute of Forest Genetics and Tree Breeding, Coimbatore

4. Seminar on Scheduled tribes & other traditional forest dwellers (Recognition of Forest Rights) Act, FRA 2006

24 August 2022

Scientists, Officers, Staff & Research scholars of IFGTB



FRI, Dehradun conducted Seminar on Agroforestry for Climate Change Mitigation



traditional forest dwellers (Recognition of Forest Rights) Act, FRA 2006

Institute of Wood Science and Technology, Bengaluru

5. Capacity Building Workshop on Developing State REDD+ Action Plan under CAMPA funded ICFRE scheme on Strengthening Forest Research for Ecological Sustainability and productivity enhancement

23 to 24 August 2022

State Forest Department of Goa

Himalayan Forest Research Institute, Shimla

6. Camp Workshop 12 August 2022

Demo Village, Badagaon, Shimla



IWST, Bengaluru conducted Capacity Building Workshop on Developing



HFRI, Shimla conducted Camp Workshop

7.	Monthly Research Seminar on Eco-friendly Management of Insect-pests of Forest in North West Himalaya: Challenges and Opportunities	29 August 2022	Scientists, Technical staff, Research staff			
	Institute of Forest Biodiversity, Hyderabad					
8.	Seminar on Identification of potential areas for <i>Syzygium alternifolium</i> introduction/ reintroduction through species distribution modeling	8 August 2022	IFB Staff			
9.	Meeting on land allotment for experimental	18 August 2022	Coastal Communities			



plots of Mangrove project



Institute of Forest Productivity, Ranchi			
10.	Meeting for evaluation of the progress of Ph.D. programme	8 August 2022	Ph.D Scholars of the institute
Rain Forest Research Institute, Jorhat			
12.	Meeting on future activities to be taken up by the centre in collaboration with different NGOs working in relevant fields in Tripura	15 August 2022	FRCLE as well as NGOs
13.	Seminar on History of Genetics-From Gene to Genetic Edition	31 August 2022	All the employees and project staffs

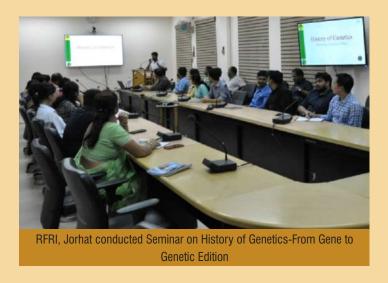
Tropical Forest Research Institute, Jabalpur			
14.	Meeting on selection of site and implementation of TFRI technology in Barbati village as Demo Village	25 August 2022	Villagers
15.	Meeting on selection of site and implementation of TFRI technology in Chhewla village as Demo Village	26 August 2022	Villagers
16.	Seminar on Hydroponicsa soilless cultivation technique allied to sustainability	29 August 2022	TFRI researchers
17.	Meeting on selection of site and implementation of TFRI technology in Tilhari village as Demo Village.	31 August 2022	Villagers

Arid Forest Research Institute, Jodhpur

18. Seminar on Hemeoxygenase-1: An overlooked enzyme of plant defence and metabolism

3 August 2022

Scientists and other technical staff.





Training Programmes

S.No. Topic Duration	Beneficiaries
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Forest Research Institute, Dehradun

 Forest Fire Monitoring & Damage Assessment 1 to 5 August 2022

IFS Officers of the states

2. Natural Resource Management and Ecorestoration training and Extension programme

26 to 28 August 2022

Trainees, Students associated with Gatividhyian under Social Internship Programme of National Environment Youth Parliament

Institute of Forest Genetics and Tree Breeding, Coimbatore

3. Summer Internship training

1 to 12 August 2022

Post graduate and B.Tech students of Biotechnology, Microbiology, Environmental Science and Pharmaceutical Technology from various colleges.





4. Basics of remote sensing and GIS, practical application of GPS and demonstration of application of QGIS

3 to 4 August 2022

Students from PSG College of Arts & Science, Coimbatore; Dr. NGP Arts and Science College, Coimbatore; Sri Ramakrishna College of Arts and Science, Coimbatore; Shri Nehru Maha Vidyalaya College of Arts And Science, Coimbatore and Anna University, Trichy.

5. Bamboo wonder grass 23 to 25 August 2022

Scientists, Asst. Professors and Subject Matter Specilists KVKs from Tamil Nadu, Kerala, Karnataka and Andhra Pradesh and Nos.

Institute of Wood Science and Technology, Bengaluru

Integrated pest and disease management 6. in nurseries, plantations and forests

3 to 5 August 2022

IFS Officers

7. Integration of Wood and Wood Based Products in Green Building

25 August 2022





Training on Integration of Wood and Wood Based Products in Green Building by IWST, Bengaluru

Himalayan Forest Research Institute, Shimla

8. Forest technologies for productivity enhancement and Livelihood

18 August 2022

Farmers, NGOs and frontline line staff of Leh Forest Division at the National Institute of Sowa Rigpa (NISR) Leh, UT Ladakh.

9. Nursery and Plantation Technique of Shukpa (Juniperus polycarpos)

22 August 2022

Frontline line staff of Kargil Forest Division

Institute of Forest Productivity, Ranchi

10. Ethics & Value in Public Governance/Good Governance/Public Governance/Right to Information/gender sensitization/Sexual Harassment

29 to 31 August 2022

ICFRE institutes, Scientists and other Staff from IFP, Ranchi



enhancement and Livelihood



Governance/Right to Inf./gender sensitization/Sexual Harassment by IFP

Rain Forest Research Institute, Jorhat

11. Skill Development Training on Bamboo, Agarwood and Vermicomposting

25 to 26 August 2022

Forest Frontline Staffs and Farmers

Tropical Forest Research Institute, Jabalpur

12. Bamboo Handicrafts items 30 August to 2 September 2022 **Farmers**





Prakriti Programme

Institute of Forest Genetics and Tree Breeding, Coimbatore

IFGTB, Coimbatore organized awareness programme under "PRAKRITI" for school and college students at Education Centre, Gass Forest Museum. The main aim of this programme is to create environmental conservation awareness among younger generation to engage them to be actively involved in activities related to environment conservation. The students were imparted knowledge by conducting following lectures and talks:

- Lecture on Biodiversity, conservation and value addition on 11 August 22.
- World lion day was celebrated on 10 August 2022 and a talk was delivered to 114 for students of Lisieux CMR International School Coimbatore.
- A talk was delivered to 313 students of Adthiya Public Matriculation School Coimbatore from Sri National School Gobichettipalayam on 12 August 2022 on World Elephant Day.



Institute of Wood Science and Technology, Bengaluru

71 students of Grade IX from Presidency School, Yelahanka, Bangaolre visited Plant Tissue Culture lab, Xylarium, Nursery, wood workshop, wood museum, AWTC and other facilities at IWST on 24 August 2022.

Institute of Forest Biodiversity, Hyderabad

- IFB, Hyderabad organized an awareness programme among students of Kendriya Vidyalaya Sangathan, Golconda-2 on 17 August 2022. A total 35 students including teachers were present in the programme.
- FRC-CE, Visakhapatnam under Institute of IFB, Hyderabad organized an awareness programme among students of Kendriya Vidyalaya, NAD, Marshalling yard, Visakhapatnam on Coastal Ecosystem Services and Human Well Being on 30 August 2022. A total of 60 students including teachers were present in the programme.

Institute of Forest Productivity, Ranchi

- An environmental awareness programme was organized by IFP, Ranchi on 02 August 2022 at Jawahar Navodaya Vidyalaya, Khunti for 65 students and 4 teachers.
- An environmental awareness programme was organized by IFP, Ranchi at Jawahar Navodaya Vidyalaya, Latehar on 23 August 2022 in which 350 students participated. On this occasion different species of bamboo and mahogany plantation was done by the students in the school premises.
- An environmental awareness programme was organized by IFP, Ranchi at Jawahar Navodaya Vidyalaya, Palamu-1 on 30 August 2022. 70 students including school teachers participated in the programme.



Tropical Forest Research Institute, Jabalpur

TFRI, Jabalpur organized a programme for the students of Navodaya Vidhyalaya, Jabalpur on 29 August 2022.



Arid Forest Research Institute, Jodhpur

A Programme on Role of Forest on Soil and Water Conservation was organized on 12 August 2022. The programme attended by students of 9^{th} & 10^{th} classes and the teachers of Kendriya Vidyalaya, IIT, Jodhpur.



Awareness and Demonstration Programme

Institute of Forest Genetics and Tree Breeding, Coimbatore

- 36 students & 6 Professors from Vivekananda College, Madurai visited IFGTB, Coimbatrore on 18 August 2022.
 Research activities were explained to them. Students also visited Vegetative Multiplication Garden, IFGTB and Gass Forest Museum.
- 40 Botany students from Alva's College, Moodbidri, Karnataka visited IFGTB, Coimbatrore on 23 August 2022 and Institute research activities were briefed to them. They were also taken to Vegetative Multiplication Garden, IFGTB and Bioprospecting lab.

Rain Forest Research Institute, Jorhat

RFRI, Jorhat demonstrated Research and development activities such as Bamboo Cultivation, Propagation, Nursery Management, Value addition & bamboo preservation techniques, Biotechnology and Tissue Culture, VPI Unit, Banh Bithika, Lac Cultivation, Botanical Garden, Orchidarium, Vermicomposting etc to:

- Members of Bamboo Federation under APART Project of KVK, Jorhat on 17 August 2022.
- Students from Jorhat Engineering College on 18 August 2022.



RFRI, Jorhat demonstrated various Research and Development activities

Tropical Forest Research Institute, Jabalpur

TFRI, Jabalpur showcased various activities of TFRI in the Museum Cum interpretation center organized for the students of Navodaya Vidiyalaya, Jabalpur on 29 August 2022.



TFRI, Jabalpur showcased various activities of TFRI in the Museum Cum Interpretation center

Memorandum of Understanding

Himalayan Forest Research Institute, Shimla

 MoU was signed between HFRI, Shimla and NABARD at NABARD Headquarters on 12 August 2022. The MoU was signed to conduct a NABARD funded programme on Capacity building on Promoting Practices for Conservation of Native Pollinators and their Food plants through Community based Approaches in the selected ranges of Kinnaur District, Himachal Pradesh.



 HFRI, Shimla and PCCF & HoFF, Jammu and Kashmir Forest Department signed MoU on 16 June 2022.



MoU was signed between HFRI, Shimla and PCCF & HoFF, J&K Forest Dpt.

MoU was signed between HFRI, Shimla and SKUAST, Jammu in the VC office of SKUAST, Jammu on 26 August 2022 for future collaborative Research, Education and Extension activities. Honorable VC, SKAUST termed it as a historic moment and hoped that this will lead to sustainable development of forestry sector and rural livelihood.



MoU was signed between HFRI, Shimla and SKUAST, Jammu

Rain Forest Research Institute, Jorhat

- FRCLE, Agartala (Tripura) signed a MoU with Tripura State CAMPA for undertaking Monitoring and Evaluation work of CAMPA activity for the financial year 20121-22 on 18 August 2022.
- RFRI, Jorhat signed a MoU with Society for Promoting Ecofriendly Environment, Assam (ASPEE) on 24 August, 2022 to conduct various projects related to environment and forestry with emphasis on conservation of natural resources, capacity building, sustainable livelihood promotion, experience sharing and training for promoting eco-friendly environment.



Environment, Assam (ASPEE)

Miscellaneous

 AGNII Mission (Accelerating Growth of New India's Innovations) team visited HFRI, Shimla on 3 to 4 August 2022.

Activities under VVKs

- IFB, Hyderabad organized a training programme on Integrated Pest Mangement for farmers on 29 August 2022 at FCRI, Mulugu. A total of 27 farmers participated in the programme.
- IWST, Bengaluru in collaboration with KVK Kolar conducted a training programme on Sandalwood based agroforestry models on 29 August 2022.
- FRC-BR, Aizwal (a centre under RFRI, Jorhat, Assam)
 conducted a training programme on Post-Harvest
 Management and Value Addition (Handicrafts) of Bamboo &
 Rattan at Mizoramin Lengte Village, district-Mamit, Mizoram
 on 30 to 31 August 2022. Lengte bamboo cluster and
 unemployed youths etc. participated in the training
 programme.



FRC-BR, Aizwal (a centre under RFRI, Jorhat) conducted a training programme on Post-Harvest Management and Value Addition (Handicrafts) of Bamboo & Rattan

 17th Parthenium Awareness Week celebrated on 16 to 22 August 2022 by FRI, Dehradun, IFGTB, Coimbatore, HFRI, Shimla, IFP, Ranchi and TFRI, Jabalpur.

17th Parthenium Awareness Week











- दिनांक 27 अगस्त 2022 को हिमालयन वन अनुसंधान संस्थान, शिमला द्वारा प्रत्येक माह स्वच्छता अभियान कार्यक्रम का आयोजन किया गया।
- RFRI, Jorhat conducted two cleanliness drives at the institute premises on 12 and 26 August 2022. All the officials and the projects staffs actively participated in these events.





HR News

Retirements

Name of Officer	Date
Dr. Vimal Kothiyal, Scientist –'G' & ADG (RP), ICFRE, Dehradun	31.08.2022
Dr. K.N. Baruah, CTO, RFRI, Jorhat	31.08.2022
Shri Mitra Nand Juyal, Section Officer, FRI, Dehradun	31.08.2022

Transfer

Name of Officer	Date	From	То
Dr. Sumit Chakarabarti, Scientist –'G'	31.07.2022	IFB, Hyderabad	ICFRE, Dehradun

Patron:

Shri A.S. Rawat, IFS, Director General, ICFRE, Dehradun

Editorial Board:

Dr. Sudhir Kumar, DDG(Extn.), Chairman
Dr. Geeta Joshi, ADG (Media & Extn.), Honorary Editor
Shri Ramakant Mishra, CTO, (M&Extn.), Member

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