



# ICFRE NEWSLETTER



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### Regional Research Conference 2022

Regional Research Conference 2022 jointly organized by IFP, Ranchi and IFB, Hyderabad on "Assessment of Phytodiversity and their sustainable utilization" on 25 May 2022. SFDs, Farmers, Industrialists, Educational & Research Institutions and students attended the conference.



Regional Research Conference 2022



### Azadi ka Amrit Mahotsav

- FRI, Dehradun organized one day training programme on Handmade Paper Manufacturing from Lignocellulosic Biomass, on 2 May 2022. Research Scholars and Master's students attended the programme.
- FRI, Dehradun organized World Museum Day on virtual mode on 23 May 2022. Scientists, Technical staff, FRIDU students, and Ph.D. scholars participated in the programme.
- IWST, Bengaluru conducted webinar on Identification, Analysis and Adulterants of sandalwood and its oil on 12 May 2022 for the stakeholders.



FRI, Dehradun organized training programme on Handmade Paper Manufacturing from Lignocellulosic Biomass

- HFRI, Shimla organized one day awareness programme on Importance of Pollinators in Forest Ecosystem on 11 May 2022. Students from Himachal Pradesh University and villagers of Rajhana Gram Panchayat participated in the programme.
- IFP, Ranchi organized a training programme on “Importance of insect borne products for earning livelihood” on 20 May 2022 for the farmers.
- IFB, Hyderabad organized a lecture on the occasion of National Endangered Species Day for the 63rd Week from 14 May to 20 May 2022.
- IFB, Hyderabad organized an essay writing competition conducted on "Building a shared future for all life" as a part of International Day for Biological Diversity prizes were given to Ms. Mary Chandhana, JPF, (First Prize), Shri E. Manikanta Reddy, Technician & Shri M. Shyam, JPF, (Second Prize), Shri N. Yuvaraj Praveen, TA, (Third Prize).
- Countdown to International Day of Yoga from 6 to 22 May 2022 organized by IFGTB, Coimbatore, HFRI, Shimla and IFB, Hyderabad, IFP, Ranchi and AFRI, Jodhpur.
- International Day for Biological Diversity (IDBD) celebrated on 22 May 2022 by FRI, Dehradun, IFGTB, Coimbatore, IWST, Bengaluru, IFB, Hyderabad, HFRI, Shimla, AFRI, Jodhpur, IFP, Ranchi, RFRI, Jorhat and TFRI, Jabalpur.



HFRI, Shimla organized one day awareness programme on Importance of Pollinators in Forest Ecosystem



IFP, Ranchi organized a training programme on “Importance of insect borne products for earning livelihood”



IFP, Ranchi organized a yoga workshop

## INTERNATIONAL DAY FOR BIOLOGICAL DIVERSITY



FRI, Dehradun celebrated IDBD



IWST, Bengaluru celebrated IDBD



AFRI, Jodhpur celebrated IDBD



IFGTB, Coimbatore celebrated IDBD



RFRI, Jorhat celebrated IDBD



TFRI, Jabalpur celebrated IDBD

## Significant Research Findings

### Forest Research Institute, Dehradun

- Pure arjunic acid (yield 0.17%) was isolated from the bark of *Terminalia arjuna* using Flash Chromatography. This marker compound will be used in chemical screening of different populations of *Terminalia arjuna*.
- Antimicrobial activity of essential oil isolated from *Achillea millefolium* from 02 different locations i.e, Chanshal, Rohru, Himachal Pradesh and Gopeshwar, Uttarakhand was performed against *Alternaria alternata*, *Curvularia lunata* and *Fusarium solanii* and the oils showed fungitoxicity against *Curvularia lunata* and *Fusarium solanii*. However, the oil of Gopeshwar origin displayed better antifungal activity than that of Chanshal, Rohru.
- Population of *Terminalia arjuna* growing in Farenda, Gorakhpur Forest Division was characterized for total tannin contents in the bark samples collected from 30 accessions and it ranged from 103-167 mg tannic acid equivalent/g of bark.

### Institute of Forest Genetics and Tree Breeding, Coimbatore

Conducted population survey and mother tree selection at Wayanad Wildlife sanctuary. About 24 FGR species were documented in this area.

### Institute of Forest Productivity, Ranchi

Standardized DNA isolation protocol of *Gmelina arborea* and extracted genomic DNA from 65 CPTs.

## Consultancies

### Indian Council of Forestry Research and Education, Dehradun

- Submitted final report of Third Party Environmental Audit of Manikpur OCP to South Eastern Coalfield Limited (SECL), Distt Korba, Chhattisgarh.
- Submitted Draft Environmental Audit report of 03 coal mines of Northern Coalfield Limited (NCL) namely Khadia, Jhingurda and Block-B to Coal India Limited (CIL), Kolkata.
- Submitted Draft Environmental Audit report of Gevra Coal Mine to SECL, Korba, Chhattisgarh.

### Institute of Forest Genetics and Tree Breeding, Coimbatore

Consultancy services provided to the following wood-based industries for increasing productivity of Casuarina pulpwood raw material:

- Andhra Paper Limited, Rajahmundry, Andhra Pradesh.
- Tamil Nadu Newsprint and Papers Limited, Kagithapuram, Tamil Nadu.

## Participation in Exhibition

- RFRI, Jorhat participated in the exhibition of "I-Connect Programme" at NEIST, Jorhat on 12 May 2022. RFRI, showcased the research and development activities of the Institute. Dr. Jitendra Singh, Union Minister of Science and Technology, ShriKeshabMahanta, Minister of Science and Technology, Assam along with Kamakhya Prasad Tasa, MP, Rajya Sabha visited RFRI stall.



RFRI, Jorhat participated in exhibition of "I-Connect Programme" at NEIST, Jorhat

- TFRI, Jabalpur and FRC-SD, Chhindwara Participated in 5<sup>th</sup> AadiUtsav 2022 (Tribal Fair) organized on 7-8<sup>th</sup> May 2022 by Ministry of Tribal Affairs at Ram Nagar, Mandla (M.P.).



TFRI, and FRC-SD, Chhindwara Participated in 5<sup>th</sup> AadiUtsav 2022 (Tribal Fair)

**Workshops/Seminars/Meetings**

S.No.	Topic	Duration	Beneficiaries
<b>Forest Research Institute, Dehradun</b>			
1.	Seminar on “Research Outreach to Agroforestry for Wood based Industry” Theme - “Building a shared future for all life”	20 May 2022	WTA, Indian industries association, Scientists and other officers.
<b>Institute of Wood Science and Technology, Bengaluru</b>			
2.	Brainstorming Session on Certification system for Agriwood with experts of IT sector (Avani Info tech Pvt. Ltd)	20 May 2022	Officials of both the organizations.
3.	Regional Research conference of Wood Scientists from three research institutes (IWST, IPIRTI and FRI)	23 May 2022	Director, Forest Officers and scientists of IWST, FRI and IPIRTI
<b>Arid Forest Research Institute, Jodhpur</b>			
4.	Workshop on “Neem Seed collection and processing for azadirachtin and oil estimation”	26 May 2022	Scientists and Technical Officers
<b>Himalayan Forest Research Institute, Shimla</b>			
5.	Workshop for Capacity Building of Students	24 to 25 May 2022	Students of Serampore College, Serampore, Hooghly (Kolkata)
6.	Seminar on “Production of Quality Planting Stock for enhancing survival and establishment of plantation” through Online and Offline mode	31 May 2022	Scientists, Technical staff and Research staff



HFRI, Shimla conducted Workshop on Capacity Building of Students



HFRI, Shimla conducted seminar on “Production of Quality Planting Stock for enhancing survival and establishment of plantation”

## Training Programmes

S.No.	Topic	Duration	Beneficiaries
<b>Forest Research Institute, Dehradun</b>			
1.	Seed range and Statistical range	11 to 13 May 2022	Guard, Range Forest Officer, and Statistical officer of State Forest Department (Research wing) Uttarakhand at Haldwani, Nainital
<b>Institute of Forest Genetics and Tree Breeding, Coimbatore</b>			
2.	Summer Internship Training - Bioprospecting	17 to 30 May 2022	M. Sc Biotechnology students from Vels University, Chennai
3.	Basics of remote sensing and GIS; Practical application of GPS and Demonstration of application of QGIS	19 to 20 May 2022	Summer Internship students of Vels Institute of Technology, Chennai.
<b>Institute of Wood Science and Technology, Bengaluru</b>			
4	Identification, Analysis and Adulterants of sandalwood and its oil	12 May 2022	Shareholders
<b>Institute of Forest Productivity, Ranchi</b>			
5.	Bamboo cultivation	4 to 5 May 2022	Progressive farmers



IFGTB, Coimbatore conducted Summer Internship Training - Bioprospecting



IFGTB, Coimbatore conducted training on Bamboo cultivation

## Rain Forest Research Institute, Jorhat

6.	Bamboo Shoot Processing and Value Addition	4 to 6 May 2022	Unemployed youths from different districts of Assam.
7.	Bamboo Propagation, Nursery Practices, Cultivation and Management	9 to 11 May 2022	Participants from Assam & Maharashtra
8.	Bamboo Charcoal Production and Briquetting	18 to 20 May 2022	Villagers of KarbiAnglong district
9.	Bamboo Shoot Processing and Value Addition	25 to 27 May 2022	Unemployed youths from different districts of Mizoram

## Tropical Forest Research Institute, Jabalpur

10.	Recycle of Waste Paper, Charcoal and Leaf Plate Making	24 to 25 May 2022	Students of TFRI and Delhi Public School, Neemkheda
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RFRI, Jorhat conducted training on Bamboo Propagation, Nursery Practices, Cultivation and Management



RFRI, Jorhat conducted training on Bamboo Charcoal Production and Briquetting



RFRI, Jorhat conducted training on Bamboo Shoot Processing and Value Addition



TFRI, Jabalpur conducted training on Recycle of Waste Paper, Charcoal and Leaf Plate Making



## Awareness and Demonstration Programmes

### Prakriti Programme

#### Institute of Forest Genetics and Tree Breeding, Coimbatore

IFGTB, Coimbatore conducted Prakriti Programme in order to create environmental awareness and conservation for the school students of White eagle Public School Annur and college students of Lady doak College Madurai; the NGP Arts and Science College Coimbatore; College of Agricultural Science Hassan: College of Forestry Sirsi Karnataka; Karpagam College for Higher Education Coimbatore: Adhiparasakthi Agriculture College Ranipet Chennai on May 2022.



IFGTB, Coimbatore conducted Prakriti programme in order to create environmental awareness and conservation

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

- M.Sc. Chemistry students of Thiagarajar College, Madurai visited the Plant Tissue Culture lab and other facilities at IWST on 13 May 2022.
- B.Sc. Forestry students from Forest College and Research Institute, Mulugu, Telangana visited various research facilities like laboratories, nursery, wood workshop, Advance Woodworking Training Centre and Museum at IWST on 23 May 2022.
- B.Sc. Biotech (6<sup>th</sup> Sem) students of Oxford College of Science, Bangalore visited laboratories, nursery, wood workshop, Advance Woodworking Training Centre and Museum at IWST on 25 May 2022.
- B.Sc. Biotech students of M.E.S. College of Arts, Commerce and Science, Bangalore visited Plant Tissue Culture and Molecular Biology laboratory at IWST on 27 May 2022.

#### Arid Forest Research Institute, Jodhpur

Dr. Bilas Singh, CTO and Sh. Anil Singh, STO from AFRI, Jodhpur visited Jawahar Navodaya Vidyalaya, Kewadia, Narmada, Gujarat on 6 May, 2022. A meeting with Principal of JNV Sh. B.K. Singh and Sh. C. V. Vasva, TGT was held and a discussion was held about the Prakriti program.



Dr. Bilas Singh, CTO and Sh. Anil Singh, STO from AFRI, Jodhpur visited Jawahar Navodaya Vidyalaya, Kewadia, Narmada, Gujarat

#### Rain Forest Research Institute, Jorhat

RFRI, Jorhat demonstrated about the various research and development activities of RFRI, Jorhat viz., Bamboo Cultivation, Propagation, Nursery Management, Value addition & Bamboo Preservation Techniques, Biotechnology and Tissue Culture, VPI Unit, BanhBithika, Lac Cultivation, Botanical Garden, Orchidarium, Vermicomposting etc to:

- B.Sc. Students (Forestry) from CAU, Pasighat, Arunachal Pradesh on 2 May 2022.
- Students of Assam Rifles Public School, Jorhat on 6 May 2022.
- Students of JIST, Jorhat-Assam on 6 May 2022.
- Students of Shemford Futuristic School, Jorhat-Assam on 11 May 2022.
- Students of Kalyani High School, Jorhat- Assam 20 May 2022.
- Students of Cheniamguri High School, Jorhat-Assam on 23 May 2022.

#### Tropical Forest Research Institute, Jabalpur

TFRI, Jabalpur demonstrated Museum and Agroforestry model to the group of B.Sc. Agroforestry Student, RDVV University on 27 May 2022.

## Other events:

RFRI, Jorhat demonstrated about the various research and development activities of RFRI, Jorhat viz., Bamboo Cultivation, Propagation, Nursery Management, Value addition & Bamboo Preservation Techniques, Biotechnology and Tissue Culture, VPI Unit, BanhBithika, Lac Cultivation, Botanical Garden, Orchidarium, Vermicomposting etc to:

- Trainees of Range Forest Officers from Kundal Forest Academy, Sangli, Maharashtra on 6 May 2022.
- Trainees Forest Guard from Nagaland Forest Department with Director, SEFTI, Dimapur, Nagaland on 17 May 2022.
- Front line Staffs of Mizoram Forest State Forest Department on 20 May 2022.
- FRI, Dehradun organized World Technology Day on 11 May 2022.
- IFGTB, Coimbatore conducted Observation of International Museum Day 2022 on 18 May 2022.
- IWST, Bengaluru, HFRI, Shimla, AFRI, Jodhpur, IFP, Ranchi IFB, Hyderabad and TFRI, Jabalpur organized Anti-Terrorism Day from 20 to 21 May 2022.



RFRI, Jorhat demonstrated trainees of Range Forest Officers from Kundal Forest Academy, Sangli, Maharashtra

## Popularizing Forestry through All India Radio/Doordarshan

Programme Topic	Channel	Date
<b>Institute of Forest Genetics and Tree Breeding, Coimbatore</b>		
The importance of Biodiversity Awareness & conservation (on the occasion of International Day for Biological Diversity 2022)	Rathinavani 90.8 Community Radio	22 May 2022



IWST, Bengaluru organized Anti-Terrorism Day



IFGTB, Coimbatore conducted Observation of International Museum Day 2022



AFRI, Jodhpur organized Anti-Terrorism Day



TFRI, Jabalpur organized Anti-Terrorism Day



**HR News****Retirements**

<b>Name of Officer</b>	<b>Date</b>
Smt. Archana Joshi, Senior PS, DG, ICFRE, Dehradun	31.05.2022
Shri Krishna Kumar Pandey, Scientist – 'G', IWST, Bengaluru	31.05.2022
Shri N. Chandrashekhar, ACTO, IWST, Bengaluru	31.05.2022
Shri R. Raja Rishi, Scientist – 'E', IWST, Bengaluru	31.05.2022
Smt. P. Shanthi, Steno Grade-I, IWST, Bengaluru	31.05.2022

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

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