



ICFRE NEWSLETTER

Vol 22 No. 10

Research Advisory Group Meeting

- HFRI, Shimla conducted Research Advisory Group Meeting (RAG) 2022 on 10 October 2022. Scientists, Chief Technical officers, Technical officers, State forest departments and other stakeholders attended the meeting.
- TFRI, Jabalpur conducted Research Advisory Group Meeting (RAG) 2022 on 12 October 2022. Scientists, Chief Technical officers, Technical officers, State forest departments and other stakeholders attended the meeting.
- IFGTB, Coimbatore conducted Research Advisory Group Meeting (RAG) 2022 on 14 October 2022. State Forest Department, Research Institutions, Wood based industries and NGOs attended the meeting.



HFRI, Shimla conducted Research Advisory Group Meeting



TFRI, Jabalpur conducted Research Advisory Group Meeting



IFGTB, Coimbatore conducted Research Advisory Group Meeting

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Azadi Ka Amrit Mahotsav

- 153th Birth Anniversary of Mahatma Gandhi was celebrated by ICFRE, Dehradun, and its institutes on 2 October 2022.



ICFRE, Dehradun celebrated Gandhi Jayanti



FRI, Dehradun celebrated Gandhi Jayanti



IWST, Bengaluru celebrated Gandhi Jayanti



HFRI, Shimla celebrated Gandhi Jayanti

- The Fit India Freedom Run 3.0 Campaign 2022 was organized by FRI, Dehradun, IFGTB, Coimbatore, HFRI, Shimla, AFRI, Jodhpur, IFB, Hyderabad, IFP, Ranchi, TFRI, Jabalpur and RFRI, Jorhat from 15 to 31 October 2022.



FRI, Dehradun organized Fit India Freedom Run



IFGTB, Coimbatore organized Fit India Freedom Run



AFRI, Jodhpur organized Fit India Freedom Run



HFRI, Shimla organized Fit India Freedom Run



IFB, Hyderabad organized Fit India Freedom Run



RFRI, Jorhat organized Fit India Freedom Run

- National Unity Day (Rashtriya Ekta Diwas) 2022 to pay tribute to Sardar Vallabhbhai Patel was organized by ICFRE, Dehradun, and its institutes on 31 October 2022. All the officers and employees of their respective institutes participated in the programme.



ICFRE, Dehradun celebrated Sardar Vallabhbhai Jayanti



FRI, Dehradun celebrated Sardar Vallabhbhai Jayanti



IFGTB, Coimbatore celebrated National Unity Day (Rashtriya Ekta Diwas)



IFB, Hyderabad celebrated National Unity Day (Rashtriya Ekta Diwas)



TFRI, Jabalpur celebrated National Unity Day (Rashtriya Ekta Diwas)



RFRI, Jorhat celebrated National Unity Day (Rashtriya Ekta Diwas)

Significant Research Findings

Forest Research Institute, Dehradun

- LC-QTOF-MS analysis of 25% aqueous methanolic extracts of *Prinsepia utilis* leaves collected from Tarela (Himachal Pradesh.) and Munsyari (Uttarakhand) was carried out and eleven flavonoids namely rutin, nicotiflorin, kaempferol-3-gentiobioside-7-rhamnoside, clitorin, quercetin 3-O-β-D-glucoside, vicenin-3, keioside, quercetin-3-O-sophoroside, manghaslin, quercetin 3-sambubioside, and isorhamnetin 3-O-[β-D-glucopyranosyl-(1->2)-[α-L-rhamnopyranosyl-(1->6)]-β-D-glucopyranoside] in these extracts were identified.
- Extraction and estimation of seed oil from total eight neem seed samples was carried out by using soxhlet method. The % yield of seed oil from eight samples was estimated as 24.03%, 25.30%, 26%, 26.30%, 24%, 26%, 25.74% and 27.21%.

Institute of Forest Genetics and Tree Breeding, Coimbatore

- The efficacy of the biopesticide, Tree PAL^H, *Simarouba glauca* and *Pongamia pinnata* seed oils at different concentrations ranging from 0.25% to 1% in comparison with Chlorophyriphos and Neem oil as positive controls were tested against *Ailanthus excelsa* defoliator, *Eligma narcissus* under laboratory, nursery and field conditions and observed 96-100%, 61.42-66.67% and 65 - 72% larval mortality respectively at 5000 ppm @ 48 hours of observation.
- Under the IFGTB-ISHA Collaborative Research Project on 'Monitoring of soil organic carbon in agroforestry, natural and conventional farming systems in Tamil Nadu', the overall soil organic carbon content ranged between 0.06% and 1.57% with a mean value of 0.67%. The lowest SOC content (0.06%) was recorded in Krishnagiri district and the highest SOC (1.57%) was recorded in Tiruvarur district under agroforestry systems. Out of the 414 agroforestry samples, 22.95% of the samples were low, 38.65% medium and 38.41% were high in organic carbon content. Adoption of agroforestry practices resulted in higher total mean soil organic carbon content than non-agroforestry practices.

Institute of Wood Science and Technology, Bengaluru

- A total of 74 *Dendrocalamus stocksii* accessions were evaluated using multi-trait analysis method. Out of 74

accessions, 10 best performing accessions were identified for further multiplication. Rhizomes of 9 CPCs of *D.stocksii* were collected from Dapoli accessions for infusing of *D.sctoksii* germplasm established at Gottipura. Further, rhizomes of 4 CPCs of *D.stocksii* were collected from Sindudurg area, Maharashtra for further development. About 600 clonal seedlings of *Guadua angustifolia* and *D.sctoksii* were produced.

- Aseptic *in vitro* cultures were established from nodal segments, and shoot initiation was achieved for 9 bamboo species. The procedure for DNA isolation from leaf samples of *B. tulda* and *D. brandisii* was optimised for genetic fidelity testing. *In vitro* rooting of multiplied shoots of pre-existing-cultures of 5 species, primary hardening for 4 species and secondary hardening for 6 species were performed.

Rain Forest Research Institute, Jorhat

Laboratory experiments were conducted to test the effect of biopesticides and chemical pesticides against target pests at laboratory conditions, results revealed that Dichlorovas 76% (0.076%), Profenophos 50EC (0.00712%) Monocrotophos 36 EC(0.06%) was found effective with maximum mortality of 96.6, 94.4 and 92.2 respectively. In leaf dip method Profenophos 50 EC (0.00712%) recorded 58.88 and 84.44 mortality of grubs 2 and 48 hours after treatment respectively.

Consultancy

Indian Council of Forestry Research and Education, Dehradun

- Draft Report of Third Party Environmental Compliance Audit Report of Dhanpuri Open Cast Mine (South Eastern Coalfields Limited) Sohagpur, Shahdol, Madhya Pradesh submitted to CIL.
- Draft Report of Third Party Environmental Compliance Audit Report of ShardaHighwall Open Cast Mine (South Eastern Coalfields Limited) Sohagpur, Shahdol, Madhya Pradesh submitted to CIL.
- ICFRE observation on enhancement of production capacity of Iron and Manganese ore mine (ML No.2678) of M/s. Sandur Manganese & Iron Ore Ltd submitted to CEC of Hon'able Supreme Court of India.

Workshops/Seminars/Meetings

S.No.	Topic	Duration	Beneficiaries
Himalayan Forest Research Institute, Shimla			
1.	RAC Meeting	27 October 2022	Scientists, Officers, research support staff and Ph.D. Scholars
2.	Seminar on Application of modern Molecular Techniques in Forest Genetics and Tree Improvement	31 October 2022	Scientists, Technical staff and Research scholars
Arid Forest Research Institute, Jodhpur			
3.	Meeting on new project proposals by AFRI for possible funding under JICA funded RFD projects	14 October 2022	JICA (Japan International Cooperation Agency), State Forest Department, Rajasthan and AFRI, Jodhpur
<div style="display: flex; justify-content: space-around;"> <div data-bbox="70 1236 791 1720" data-label="Image"> </div> <div data-bbox="807 1236 1544 1720" data-label="Image"> </div> </div>			
Institute of Forest Productivity, Ranchi			
4.	Forest Soil Health Card (Pre-release) Stakeholders Consultation Meeting in hybrid mode	12 October 2022	State Forest Department, Jharkhand

HFRI, Shimla conducted RAC Meeting

AFRI, Jodhpur organized meeting on new project proposals by AFRI for possible funding under JICA funded RFD projects

5.	An interaction meeting on forestry research related issues and future collaborations in the fields	12 October 2022	IFP, Ranchi & SFD, Jharkhand
6.	Preliminary Workshop on Rejuvenation of Subarnarekha and Damodar River through Forestry Intervention through hybrid mode	12 October 2022	IFP, Ranchi & SFD, Jharkhand
7.	Review meeting on Swachhata Campagin 2.0 & Updation of land & building records of various Ministries or Departments on Government Land Information System(GLIS)	27 October 2022	IFP, Ranchi

Rain Forest Research Institute, Jorhat

8.	Review Committee Meeting to examine the research outcomes of the projects completed during 2017-18 to 2021-22	19 October 2022	All the scientists associated with the projects
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IFP, Ranchi organized Preliminary Workshop on Rejuvenation of Subarnarekha and Damodar River through Forestry Intervention through hybrid mode



RFRI, Jorhat organized Review Committee Meeting to examine the research outcomes of the projects completed during 2017-18 to 2021-22

Training Programmes

S.No.	Topic	Duration	Beneficiaries
Forest Research Institute, Dehradun			
1.	Nursery Techniques and Operations at FRI	7 October 2022	Front line staff from SFD, New Delhi

2.	Advances in Agroforestry practices for Income Enhancement	17 to 19 October 2022	Farmers, SHGs/NGOs and other stakeholders of Uttarakhand, UP, Punjab and Haryana
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Institute of Forest Genetics and Tree Breeding, Coimbatore

3.	Characterization of Forest Genetic Resources and its Conservation	13 October 2022	B. Tech Biotechnology students from Karunya Institute of Technology and Sciences (Deemed to be University), Coimbatore
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4.	ABC of DNA	19 to 20 October 2022	School Students of Class 9, 11 and 12 from Bharathi Matriculation Higher Secondary School, Chinmaya International Residential School, The PSBB Millennium School, Shri Nehru Vidyalaya Matriculation Higher Secondary School and SBOA Matriculation Higher Secondary School from Coimbatore
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Training on Advances in Agroforestry practices for Income Enhancement



Training on Characterization of Forest Genetic Resources and its Conservation

Arid Forest Research Institute, Jodhpur

5.	Issues related to R&D in the water sector	12 October 2022	Scientist
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Institute of Forest Biodiversity, Hyderabad

6.	Methods for documentation of Biodiversity	18 to 20 October 2022	Students
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Institute of Forest Productivity, Ranchi

7.	MDP on Community Resource Management	17 to 21 October 2022	IFP Ranchi Scientists
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Rain Forest Research Institute, Jorhat

8.	Bamboo Resource Development for addressing Livelihood concerns of Communities	12 to 14 October 2022	Trainees from different states of North East and West Bengal
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Tropical Forest Research Institute, Jabalpur

9.	Non-Wood Forest Produce and Livelihood Opportunities	18 to 20 October 2022	Diverse group including Scientist, FPOs, NGOs, Students, KVKs etc
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Training on Bamboo Resource Development for addressing Livelihood concerns of Communities



Training on Non-Wood Forest Produce and Livelihood Opportunities

Memorandum of Understanding

- IFGTB, Coimbatore signed an MoU with two commercial tissue culture laboratories for large-scale production of teak. Stock cultures were provided with a buy-back arrangement by IFGTB.
- IFGTB, Coimbatore signed an MoU with H.U. Gogle Biotech for large scale production and supply three clones, namely IFGTB TG1, TG 5 and TG 11.
- Dr. N. K. Bohra signed MoU between Director AFRI and Sh. S.R Choudhary (Aarav Farm, Linch, Mehsana, Gujarat) for AICRP-04 (Eucalyptus) plantation.
- A MoU was signed between Mizoram University (A Central University), Aizawl and Forest Research Centre for Bamboo & Rattan (FRCBR), Aizawl a research centre of Rain Forest Research Institute (RFRI), Jorhat on 20 October 2022.

Activities under VVKs

IFB, Hyderabad constructed a Nursery Shed at VVK, Mulugu, Telangana as a part of the Establishment of a Model Nursery.

Prakriti Programmes

Forest Research Institute, Dehradun

FRI, Dehradun conducted survey for selection of Kendriya Vidhyalaya and Jawahar Navodaya Vidiyalaya for establishment of Herbal Garden and Butterfly Park.

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 students were imparted knowledge by conducting lectures and talk by Scientist, Technical staff & Research scholars. In total of 973 students from 17 schools from Coimbatore district and 282 students from 7 colleges participated in the Prakriti programme.
- Lecture on Biodiversity Conservation and Utilization was given to 25 students from various colleges from Coimbatore viz., Government Arts College, Sri Krishna Arts and Science College, Sri Ramakrishna College, Sri Sakthi Engineering College on 26 October 2022.
- Lecture on Variation in plants and its importance was given to 30 college students from Coimbatore district on 31 October 2022.



IFGTB, Coimbatore conducted Prakriti Programme for various school and college students

Institute of Forest Biodiversity, Hyderabad

IFB, Hyderabad an organized awareness programme for students of Unicent School, Kompally on 26 October 2022. A total of 47 students including two teachers were present in the programme.

Institute of Forest Productivity, Ranchi

IFP, Ranchi organized an Environment awareness programme on 14 October 2022 in Kendriya Vidyalaya, Latehar. JRF and 85 students participated in the awareness programme. In this program, global warming, ozone layer loss, measures to reduce carbon, measures to reduce the use of single-use plastics were discussed.



IFP, Ranchi organized Environmental Awareness Programme for school students

Institute of Wood Science and Technology, Bengaluru

- 70 students (Grade VIII) from Presidency School, Nandini Layout, Bangalore visited Nursery, wood museum, AWTC at IWST, Bengaluru on 12 October 2022.



Students from Presidency School, Nandini Layout, Bangalore visited Nursery, wood museum, AWTC at IWST, Bengaluru

- 80 students (Grade VIII) from Presidency School, Nandini Layout, Bangalore visited Nursery, wood museum, AWTC at IWST, Bengaluru on 13 October 2022.



Students from Presidency School, Nandini Layout, Bangalore visited IWST, Bengaluru

Awareness and Demonstration Programmes

Forest Research Institute, Dehradun

118 students (including 76 girls) B.Sc. Forestry 4th years students with 3 teachers from Dr. YSP University, Nauni Solan, (HP) for visiting Forest Research Institute, Dehradun on 20 October 2022.



B.Sc. Forestry students with teachers from Dr. YSP University, Nauni Solan, (HP) visited FRI, Dehradun

Institute of Forest Genetics and Tree Breeding, Coimbatore

- Lecture on Wildlife habitat in the changing climate given to the UG & PG (Zoology) students of Kongunadu College of Arts & Science, Coimbatore, as a part of Wildlife Week Celebration on 12 October 2022.
- Ramakrishna Mission Vivekananda Educational And Research Institute, Ranchi students with 3 faculties visited IFGTB, Coimbatore on 13 October 2022. The students were also taken to Vegetative Multiplication Garden and Gass Forest Museum.
- 32 students and 2 faculties from College of Forestry, Kerala Agricultural University, Thrissur, Kerala visited Herbarium of IFGTB, Coimbatore on 14 October 2022.



Students and Faculties from College of Forestry, Kerala Agricultural University, Thrissur, Kerala visited Herbarium of IFGTB, Coimbatore

- 35 UG Forestry students from Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth (BSKKV), Dapoli, Maharashtra visited IFGTB, Coimbatore on 17 October 2022 and research activities of the institute were explained to them.



UG Forestry students from Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth (BSKKV), Dapoli, Maharashtra visited IFGTB, Coimbatore

- 4 Staff with 22 students from Department of Botany, Provenance College, Coonoor, Nilgiris, visited the Fischer Herbarium of IFGTB, Coimbatore on 18 October 2022 and orientation about the Herbarium activities were explained to the students.



Students from Department of Botany, Provenance College, Coonoor, Nilgiris, visited the Fischer Herbarium of IFGTB, Coimbatore

- Lecture on Generation of genomic resources in tree species and their implication in conservation and breeding programmes given to the students of Graphic Era Hill University, Dehradun on 21 October 2022. 53 participants including Assistant Professors, Associate Professor, PhD. Scholar and research scholars from National Institutes attended the programme.

Institute of Wood Science and Technology, Bengaluru

37 students (M.Sc. Wood Science & Technology) and faculty from Forest Research Institute Deemed University, Dehradun visited

Wood workshop, Museum & Advanced Wood Training Centre on 27 October 2022.



Students (M.Sc. Wood Science & Technology) and faculty from Forest Research Institute Deemed University, Dehradun visited IWST, Bengaluru

Himalayan Forest Research Institute, Shimla

50 M.Sc. Students from the St. Bedes College, Shimla visited the Western Himalayan Temperate Arboretum (WHTA), Potter Hill, Summer Hill, Shimla on 20 October 2022.



M.Sc. Students from the St. Bedes College, Shimla visited the Western Himalayan Temperate Arboretum (WHTA), Potter Hill, Summer Hill, Shimla

Institute of Forest Productivity, Ranchi

4 B.Sc (Agriculture) students from Birsa Agricultural University, Kanke, Ranchi visited IFP, Ranchi for educational purpose/tour on 13 October 2022.

Rain Forest Research Institute, Jorhat

RFRI, Jorhat demonstrated Research and development activities of RFRI, Jorhat, 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 67 Collegiate Jatiya Vidyalaya, Sivasagar, Assam on 26 October 2022.

Visit of Dignitaries

- Hon'ble Minister for Environment, Forest & Climate Change, Shri. Bhupender Yadav visited IFGTB, Coimbatore on 8 October 2022 and had interaction with the Scientists and Forest officers.



Hon'ble Minister for Environment, Forest & Climate Change, Shri. Bhupender Yadav visited IFGTB, Coimbatore

- A batch of 42 Forest Range Officers Trainees (30 Male and 12 Female Trainees) along with 2 faculty members from Forest Training Academy Haldwani, Uttarakhand visited the HFRI, Shimla on 7 October 2022.



Forest Range Officers, Trainees along with faculty members from Forest Training Academy Haldwani, Uttarakhand visited HFRI, Shimla

- Prof (Dr.) P.L. Gautam, Pro Chancellor Carrier Point University (CPU), Hamirpur and Ex Director NBPGR New Delhi along with Dr. Sanjeev Sharma, Vice Chancellor, CPU, Hamirpur visited HFRI, Shimla on 20 October 2022.



Prof (Dr.) P.L. Gautam, Pro Chancellor Carrier Point University (CPU), Hamirpur and Dr. Sanjeev Sharma, Vice Chancellor, CPU, Hamirpur visited HFRI, Shimla

- 106 numbers of Forest Guard Trainees from Vaigai Dam, TNFD, visited IFGTB, Coimbatore in two batches each 58 numbers on 17 & 31 October 2022. Both the batches were taken to Vegetative Multiplication Garden and Gass Forest Museum.
- 25 delegates from Colombia, Germany, Panama, Dominican Republic and Senegal and India visited HFRI, Shimla on 18 October 2022.



Forest Guard Trainees from Vaigai Dam, TNFD, visited IFGTB, Coimbatore



Delegates from Colombia, Germany, Panama, Dominican Republic and Senegal and India visited HFRI, Shimla

Popularizing Forestry through All India Radio

Programme Topic	Channel	Date
Tropical Forest Research Institute, Jabalpur		
'Baans Adharit krishivaniki paddhati dwara aay utpadan'- Dr. Nanita Berry, Scientist- 'F' and Head, Forest Extension division	AIR, Jabalpur (MP)	21 October 2022

Miscellaneous

- FRCSD, Chhindwara conducted Bird Watching Campaign on 2 October 2022 and 3 October 2022. Children's/teachers from various schools participated in the events.
- RFRI, Jorhat conducted two cleanliness drives in the different laboratories on 14 and 28 October 2022.

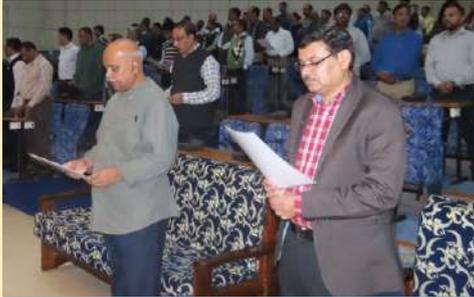


FRCSD, Chhindwara conducted Bird Watching Campaign



RFRI, Jorhat conducted two cleanliness drives

- Vigilance Awareness Week 2022 was celebrated by ICFRE, Dehradun and its institutes from 31 October to 6 Nov 2022.



ICFRE, Dehradun celebrated Vigilance Awareness Week



FRI, Dehradun celebrated Vigilance Awareness Week



IFGTB, Coimbatore celebrated Vigilance Awareness Week



IWST, Bengaluru celebrated Vigilance Awareness Week



IFB, Hyderabad celebrated Vigilance Awareness Week



AFRI, Jodhpur celebrated Vigilance Awareness Week



IFP, Ranchi celebrated Vigilance Awareness Week



TFRI, Jabalpur celebrated Vigilance Awareness Week



RFRI, Jorhat celebrated Vigilance Awareness Week

HR News

Retirements

Name of Officer

Shri Pravin H. Chawhaan, Scientist - 'G',
IFB, Hyderabad

Shri Sachidanand Vaidya, CTO, IFP, Ranchi

Date

31.10.2022

31.10.2022

Repatriation

Name of Officer

Shri Deepak Mishra, IFS (KL:96), Secretary,
ICFRE, Dehradun

Deputation

Name of Officer

Dr. Ratnakar Jauhari, IFS (AP:94)

Date

12.10.2022

Date

12.10.2022

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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