



ICFRE NEWSLETTER

Vol 21 No. 7 July 2021

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Azadi ka Amrit Mahotsav

- AFRI, Jodhpur organized an online essay writing competition on “Forest in arid and semi arid region and innovative approaches for their management” from 19 to 25 July 2021.
- IWST, Bengaluru conducted a poster competition on 'Importance of Conservation of the pollinators in different Ecosystems' from 5 to 11 July 2021.
- HFRI, Shimla conducted following activities:
 - Presentation on an 'Ecosystem Restoration' in context to the cold desert ecosystem of Ladakh with school children at Lankerchay in Kargil District of Ladakh UT on 12 July 2021.
 - Plantation programme 'हर मेड़ पर पेड़' on 16 July 2021.
 - An event on 'Insect Pest and Disease Management in Cold Desert' at Tabo, district Lahaul and Spiti, Himachal Pradesh on 27 July 2021.
- IFP, Ranchi celebrated 'Azadi Ka Amrit Mahotsav', by organizing a one-day seminar on 'स्वतंत्रता प्राप्ति पश्चात वन वर्धन हेतु वैज्ञानिक तकनीकी का विकास' on 15 July 2021.
- FRC-ER conducted the following activities:
 - A one-day webinar on 'Conservation and value addition of fruits of Forest origin' on 2 July 2021.
 - A workshop on “Development of Moringa Leaf Based Products” on 16 July 2021.



Participants of the event 'Insect Pest and Disease Management in Cold Desert' by HFRI, Shimla



Interactive session on 'Ecosystem Restoration' with local school students by HFRI, Shimla



Workshop on 'Conservation and value addition of fruits of Forest origin' by FRCER-Prayagraj

Significant Research Findings

Forest Research Institute, Dehradun

- Preparation of site and sowing of kharif crop Groundnut and Til+Urd at Dhaluwala majbata (Haridwar) experimental site. Insect attack was observed and sprayed insecticides on *Gmelina arborea* and *Embllica officinalis* plants at both Dhaluwala and Fatehpur Pelio sites.
- Outbreak of *Lymantria mathura* Moore (Lepidoptera : Lymantriidae) on Sal Forest of Haldwani Forest Division in Uttarakhand was recorded. During outbreak, “Millions and millions of larvae” were recorded defoliating the Sal forest . In total about 5.5 lakhs trees of Sal were found to be severely defoliated in “Bhabar region”.
- During pre-Monsoon survey for sampling of moths was carried out in Shiwalik range of Dehradun, Uttarakhand and Saharanpur district of Uttar Pradesh, at 5 locations i.e Asharodhi, Karwapani, Sabhhawala, Timli in Moist Shiwalik Sal Forests and Mohand in Dry Shiwalik Sal Forest. A moth screen with CFL lamp was used for sampling and collection of moths. Moths were sampled (for hrs 7 pm to 10 pm) each day. 32 species of 05 families were recorded in Moist Shiwalik Sal forest and 26 species of 7 families in Dry Shiwalik Sal Forests while 13 moth specimens were collected. The moth database was updated with 107 species belonging 09 families.
- Revision of Kanjilal's Forest Flora of the Chakrata, Dehradun and Saharanpur Forest Divisions, Uttar Pradesh for conservation and sustainable utilization is under progress. So far, Nomenclature updates and description of 50 species were completed.
- Revision of Osmaston's Forest Flora for Kumaon for Conservation and sustainable utilization is also going on at FRI, Dehradun. Till now Nomenclature updates and description of 50 species were completed.
- The survey was conducted in different locations of Morni-Pinjore Forest Division of Haryana. During the visit status of several species documented and regeneration data were recorded for five FGR priority species.
- Morphological data of *Bambusa vulgaris* from FRI Bambusetum and Botanical garden was recorded. Flowering data of different species have been collected from different sources.

- Standardized dosage of inocula from IFGTB bio-fertilizers was given with different combination to *Dalbergia sissoo* species in nursery. Dry weights of shoot and root were taken for 90 and 180 days and growth data was recorded for 180 days under the Project AICRP, “Production of superior bio-fertilizers”.
- Surveyed and collected germplasm of *Desmodium gangeticum*, *Dioscorea deltoidea* and *Gentiana kurroo* from Chakrata Forest Division and Morni Pinjore Forest Division and established at Chakrata Nursery and NTFP germplasm conservatory of FRI, Dehradun. Soil samples of different sites were analyzed for pH, EC, NPK and organic carbon contents.
- Textile dyeing trials were undertaken with the natural dye extracted from fruit peels of *Punica granatum*.
- Seed quality tests have been conducted in seeds of forestry species collected from different forest types of Haryana and Uttarakhand as part of AICRPs and FGR National programme. Short to medium term storage protocols have been developed for seeds of Bamboo species, and other prioritized species. Seeds of *Alnus nepalensis*, *Betula utilis*, *Bombax ceiba*, *Cocculus laurifolia*, *Crotalaria cytisoides*, *Lyonia ovalifolia*, *Mallotus philippensis*, *Terminalia chebula*, *Terminalia citrina* and *Toona serrata* were desiccated up to safe moisture level for deposition in Seed bank of NBPGR, New Delhi for long-term storage at 18 °C.

Institute of Forest Genetic and Tree Breeding, Coimbatore

The skin care cream was formulated from the bark methanol extract of *Careya arborea*. The formulated skin care cream was evaluated at Tamil Nadu Test house private limited to ascertain its quality as per BIS norms and the significant results obtained confirmed its use as an excellent skin care cream.

Arid Forest Research Institute, Jodhpur

Coppice growth of *Eucalyptus camaldulensis* from the tree harvested in 2018-2019 were measured in June 2021. More than 90% stumps were live and had coppiced at all five sites studied. Number of shoots per clump varied from 5.1 to 12.3 nos., whereas shoot height varied from 328-564 cm.

Consultancy

Presently works under 09 consultancy projects are underway, draft final report “Biodiversity Assessment Study with respect to the whole Hasdeo-Arand Coalfields comprising Tara, Parsa, Parsa East & Kanta Basin, Kente extension coal block area in Surguja District, Chhattisgarh” submitted to Chhattisgarh Forest Department, New Raipur, Chhattisgarh.

Workshops/Seminars/Meetings

S.No.	Topic	Duration	Beneficiaries
Forest Research Institute, Dehradun			
1.	Meeting on Research Outreach Programme for Wood Industry	22 and 23 July 2021	Wood technology Association alongwith plywood industry owners
2.	Meeting on Agroforestry Extension	26 July 2021	Wood based industries and farmers at Yamunanagar (Haryana)
Institute of Forest Genetics and Tree Breeding, Coimbatore			
3.	SARS CoV2 of Yesterday, Today and Tomorrow: Are we moving from strategic to tactic solution?	15 July 2021	IFGTB officers
Tropical Forest Research Institute, Jabalpur			
4.	Webinar on Advances in Teak Cultivation: Genetic resources and technologies	16 July 2021	Scientist and researchers
Himalayan Forest Research Institute, Shimla			
5.	Meeting on Forestry research and extension activities to be carried out in Ladakh UT	8 July 2021	Heads of different organizations at Leh and Forest Department Leh
Forest Research Centre for Eco- Rehabilitation, Prayagraj			
6.	Workshop on Conservation & Value Addition of Fruits of Forest Origin	2 July 2021	Scientists, academicians, researchers, students, NGO and farmers

Training Programmes

S.No.	Topic	Duration	Beneficiaries
Forest Research Institute, Dehradun			
1.	Understanding Natural Plant Aromas for Business in Skin and Hair care Products	1 to 29 July 2021	Mussoorie Fragrance and Flavours Institute and ESTC (MSME, GoI), Ramnagar, Uttarakhand
2.	Seed ball technology	9 July 2021	Officials and frontline staff of Narendranagar Forest Division, Uttarakhand
		15 July 2021	Officials of Research and Training Institute of Uttarakhand
Institute of Forest Genetics and Tree Breeding, Coimbatore			
3.	GCMS: instrument, principle and function	9 July 2021	Various colleges and Universities viz., Bharathiar University, Coimbatore; Nirmala College for Women, Coimbatore; Vivekananda College, Madurai; CMS College of Science, Commerce, Coimbatore and ICAR-CICR, Regional station, Coimbatore
4.	Kadamba based Agro forestry System	19 July 2021	Kadamba farmers/tree growers



Training on GCMS: instrument, principle and function

Institute of Wood Science and Technology, Bengaluru

5.	Virtual training, as part of All India Study Tour	20 July 2021	Students of B.Sc.(Hons.), Forestry Program
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Tropical Forest Research Institute, Jabalpur

6.	Biological control of Teak defoliator and skeletonizer through TFRI-Trichocard	1 July 2021 at Korba, 2 and 12 July 2021 at Kawardha, 14 July 2021 at Gariyaband, 15 July 2021 at East Bhanupratappur, 16 July 2021 at Bastar, 17 July 2021 at Datewada and Kondagaon	Front line staff in eight different Forest Divisions of Chhattisgarh
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7.	Management of Sal borer (<i>Hoplocerambyx spinicornis</i>) in Sal (<i>Shorea robusta</i>)	1 July 2021 at Korba, 2 and 3 July 2021 at Kawardha, 15 July 2021 at East Bhanupratappur, 16 July 2021 at Bastar and 19 July 2021 at Kondagaon	Front line staff
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8.	Khejri grafting	21 June to 2 July 2021	-
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Training on Field demonstration in sal borer



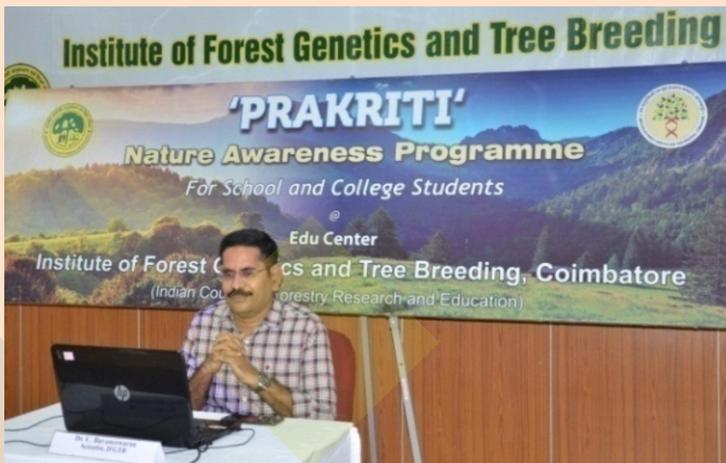
Training on Biological control of Teak defoliator and skeletonizer through TFRI-Trichocard

Himalayan Forest Research Institute, Shimla

9.	Forestry Interventions For Productivity Enhancement	9 July 2021	Frontline staff of Leh Forest Division, Farmers and Local communities of Leh, Ladakh UT
10.	Goods and Services of Cold Desert Ecosystem	12 July 2021	Forest Department staff of Kargil Forest Division

Prakriti Programme

- IFGTB, Coimbatore hosted a webinar as a part of "Online Knowledge Series – Prakriti – Nature Connect Programme for GRD Public & GRD Matric School, Coimbatore on 23 July 2021 on the topic "Forest & Climate Change". 260 school students participated in the programme.
- HFRI, Shimla organized an interaction programme with students and teachers of Suru Valley under 'PRAKRITI' programme in Kargil district of Ladakh UT. The 85 students including teachers of various remote schools of Suru valley Kargil, Ladakh, UT viz., Government Middle School, Thvina; Army Goodwill School, Faroona; Government Primary School, Bardum; Government Higher Secondary School, Lankerchay; Government Higher Secondary School, Sankoo; Jawahar Navodaya Vidhyala, Khumbathang attended the programme.



Prakriti programme on "Forest and Climate Change" organized by IFGTB, Coimbatore

Memorandum of Understanding

Memorandum of Understanding (MoU) was signed between FRCER, Prayagraj and Sadguru Sadafal Vihangam Yog sansthan Jhansi, Prayagraj on 1 July 2021 on the Sustainable Development of Environment and Extension of Forestry Research.

Visit of Dignitaries

- Ms. Caroline Rowett, British Deputy High Commissioner in Chandigarh visited DD Herbarium, FRI, Dehradun on 6 July 2021.
- Shri Amitabh Kant, CEO NITI AYOJ visited DD Herbarium and Botanical Garden of FRI, Dehradun on 10 July 2021.



Ms. Caroline Rowett, British Deputy High Commissioner in Chandigarh visited DD Herbarium, FRI, Dehradun



Shri Amitabh Kant, CEO NITI AYOJ visited DD Herbarium and Botanical Garden of FRI, Dehradun

Popularizing Forestry through All India Radio

Topic	Channel	Date
Rain Forest Research Institute, Jorhat		
Sanchi Gosor Khetir Bisoe Kisu Kotha Janu Ahok	All India Radio, Jorhat	30 July 2021

Miscellaneous

Institute	Special Day/theme	Duration
FRI, Dehradun	Van Mahotsav-2021	22 July 2021
AFRI, Jodhpur	Van Mahotsav-2021	19 July 2021
RFRI, Jorhat	Van Mahotsav-2021	1 July 2021
HFRI, Shimla	Van Mahotsav-2021	9 July 2021
		21 July 2021 and 22 July 2021
IFP, Ranchi	Van Mahotsav-2021	12 July 2021



Celebration of Van Mahotsav by FRI, Dehradun



Celebration of Van Mahotsav by AFRI, Jodhpur



Celebration of Van Mahotsav by RFRI, Jorhat



Celebration of Van Mahotsav by IFP, Ranchi

HR News

Appointment (Deputation)

Name of Officer	Date
Shri R. Arun Kumar, IFS (TR:2009), DCF, FRI, Dehradun	05.07.2021
Shri R.P. Singh, IFS (AM:91) CF, FRI, Dehradun	06.07.2021

Repartriation

Name of Officer	Date
Shri. V.S. Senthilkumar, IFS, (J&K: 2005), ADG (Education & Recruitment Board), ICFRE	09.07.2021

Retirements

Name of Officer	Date
Shri Amar Singh, Librarian, FRI, Dehradun	31.07.2021
Shri S.K. Dhasmana, PS, ICFRE	31.07.2021
Shri L.R. Murherkar, CTO, TFRI, Jabalpur	31.07.2021

Patron:

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

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