

ICFRE NEWSLETTER



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Gandhi Jyanti

CONTENTS

	Pg. No.
Gandhi Jyanti	01
Significant Research Findings	02
Exhibition	02
Consultancy	03
Patents	03
Workshops/Webinars/ Meetings	03
Trainings	06
Memorandum of Understanding	07
Prakriti Programme	07
Swachh Bharat Initiative	08
Popularizing Forestry through All India Radio	08
Miscellaneous	08
HR News	08

Gandhi Jyanti



ICFRE, Dehradun and its institutes observed Gandhi Jyanti on 2 October 2020 on the occasion also organized awareness programme on "Swachh Bharat Mission".



Significant Research Findings

Institute of Forest Genetics and Tree Breeding, Coimbatore

- *Santalum album* L (sandalwood tree) is a semi root parasite and it requires host species to thrive. An experiment was conducted on *S. album* with *Casuarina equisetifolia* as host species along with Frankia (a symbiotic nitrogen fixing bacteria) inoculation in nursery conditions under AICRP 21 (Bio-fertilizers). After 2 month of observation, it was found that the seedlings of *S. album* showed improved growth (45.3 cm), stem girth (3.0 mm) and leaf numbers (26). The numbers of haustoria were also showed high (7 Nos.). The *S. album* seedlings along with *C. equisetifolia* without Frankia showed very less numbers of haustoria (2 Nos.) and less growth. It was also observed that the seedlings without host species have showed very poor performance in nursery conditions. This study explicit that *S. album* requires a suitable host species along with a beneficial microbe for improved growth under nursery conditions.
- The endophytic fungi isolated from important native tropical tree species of Western Ghats viz., *Tectona*

grandis, *Gmelina arborea*, *Ailanthus excelsa*, and *Pterocarpus santalinus* for the management of insect pests of agriculture and forestry importance having entomopathogenic significance were encapsulated using chitosan nano particle.

- Established demonstration of Gmelina based agro forestry models at Soolakal, Pollachi, Tamil Nadu. Evaluated clonal trails of *Gmelina arborea* for growth superiority and shortlisted high productive clones for establishing clonal amplification trials.

Arid Forest Research Institute, Jodhpur

- Tissue culture studies were carried on *Schizostachyum dullooa*. Nodal segments were used for micro-propagation. Best axillary bud break was achieved on MS medium supplemented with 5.0 mg/l BAP. After 3-4 weeks, proliferated shoots were sub cultured on fresh MS medium supplemented with cytokinin. In vitro shoot multiplication was achieved on MS medium supplemented with 2.5 mg/l BAP. It was observed that this bamboo is very recalcitrant for *in vitro* rooting.

Exhibition

Institute	Organized	Duration	Place
Institute of Forest Genetic and Tree Breeding, Coimbatore			
FRCLE, Agartala in collaboration with Rotary Club of Agartala and Samaj Shakti Society, Agartala	Handicraft Exhibition	17 October 2020	City Centre, Agartala



FRCLE, Agartala organized exhibition in collaboration with Rotary Club of Agartala and Samaj Shakti Society, Agartala



Consultancy

ICFRE is presently working on ten consultancy projects, which are awarded by Tehri Hydro Development Corporation India Ltd; Himachal Pradesh Power Corporation Limited; Karnataka State Official Authority; MoEF&CC, GoI, New Delhi; Coal India Limited, Kolkata; NTPC Ltd Noida; NMDC Ltd, Hyderabad; Singreni Collieries Company Ltd., Kothagudem; Chhattisgarh Forest Department, Raipur; Deptt. of Forest and Environment, Bhubaneswar.

Patents

Patent has been granted to FRI, Dehradun for an invention entitled 'Vacuum Kiln' for the term of 20 years from the 29 June 2012 in accordance with the provisions of the patents Act, 1970. The patent is outcome of completed plan project entitled 'Fabrication and performance study of vacuum based wood dryer for fast and efficient drying of Indian timbers'.

Workshops/ Webinars/ Meetings

S.No.	Topic	Duration	Beneficiaries
Forest Research Institute, Dehradun			
1.	Sustainable harvesting and Utilization of Non Timber Forest Products for livelihood generation	14 October 2020	Farmers, NGOs, SHGs, Students, Officials from Other Institutes
2.	Safeguards Information system for REDD+	15 October 2020	Farmers, SFDs, Academic Institutions, NGOs, JFM
3.	Regional Variety Testing Committee	20 October 2020	SFDs, Research Institutions, Farmers
4.	Impacts of technology dissemination on enhancement of livelihood security through forestry endeavor	20 October 2020	Farmers, Officials from Other Institutes, Students
5.	Application of Advance computational tools for Forestry Research	21 October 2020	Officials from ICFRE Institutes & Others Wild life Institute, IGNFA, CASFOS & IIRS
6.	Bio composite: Wood and wood based material	21 October 2020	Industries, NGOs, Students



Webinar on Sustainable harvesting and Utilization of Non Timber Forest Products for livelihood generation



Webinar on Safeguards Information system for REDD+



Institute of Forest Genetics and Tree Breeding, Coimbatore

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|----|-------------------------------|-----------------|---|
| 7. | Research Advisory group (RAG) | 15 October 2020 | Members from SFRI, TFD, Chennai; Tamil Nadu Agriculture University, Coimbatore; KFRI, Peechi, Kerala; Department of Biotechnology, Sugarcane Breeding Institute, Coimbatore; Forest Hqt, Thiruvananthapuram; National Biodiversity Authority, Chennai and officers & scientists from IFGTB, Coimbatore etc. |
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Research Advisory Group Meeting at IFGTB, Coimbatore

Institute of Wood Science and Technology, Bengaluru

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| 8. | Clonal Propagation of Tree Species | 7 October 2020 | PCCFs and Officers from SFDs, Researchers from Various Institutes including ICFRE Institutes, SFRIs Agricultural Universities |
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Arid Forest Research Institute, Jodhpur

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| 9. | Research Advisory Group | 8 October 2020 | - |
| 10. | Meeting for Establishment of an Environmental Awareness Centre at Mukam, under VVK Bikaner | 10 October 2020 | Chairman, Akhil Bhartiya Bishnoi Mahasabha |


Rain Forest Research Institute, Jorhat

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|-----|---|-----------------|--|
| 11. | Safeguards Information System (SIS) for REDD+ | 22 October 2020 | Communities and Forest departments of NE India |
|-----|---|-----------------|--|




Himalayan Forest Research Institute, Shimla

12.	Safeguards Information System for REDD+ Implementation in India	9 October 2020	Senior Scientists, technical staff and other research support staff of HFRI, Shimla and other Senior officers/representatives of different organizations
13.	ICFRE-Regional Research Conference	28 October 2020	Officers/representatives of ICFRE, FRI Dehradun and HFRI, Shimla, State Forest Departments of HP and Union Territories of Jammu and Kashmir and Ladakh



Consultation meeting for Safeguards Information System for REDD+ Implementation in India



ICFRE-Regional Research Conference

Institute of Forest Productivity, Ranchi

14.	Sustainable harvesting and Utilization of NTFPs for livelihood generation	14 October 2020	Stakeholders – SFD, Government organization, Universities & Other academic Institutions, Farmers, NGOs SHGs and Herbal industries
15.	XXIth meeting of Research Advisory Group	20 October 2020	Stakeholders of Jharkhand, Bihar, West Bengal and other external funding agencies

Institute of Forest Biodiversity, Hyderabad

16.	Research Advisory group (RAG)	14 October 2020	-
17.	Medicinal Plants and their relevance in COVID-19 Pandemic	20 October 2020	Research Scientists, Researchers and Farmers
18.	Development of Bio-pesticide products/formulations from extracts of tree borne oil seeds and tissues of wild plants for management of insect pests	20 October 2020	-



Forest Reserach Centre Livelihood and Ecosystem, Agartala

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| 19. | Impact of Technology dissemination on Enhancement of Livelihood Security through Forestry Endeavors | 29 October 2020 | Joined 500 participants all over the country |
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Trainings

S.No.	Topic	Duration	Beneficiaries
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Institute of Forest Genetic and Tree Breeding, Coimbatore

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|----|---|----------------------|------------------|
| 1. | Basic Statistical methods in Forestry | 5 and 6 October 2020 | Women Scientists |
| 2. | Climate Change: Challenges and Response | 5 to 9 October 2020 | Women Scientists |
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Institute of Wood Science and Technology, Bengaluru

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|----|--|-----------------|-----------------------------------|
| 3. | Integrated Pest and Disease Management | 22 October 2020 | Scientists and Technical Officers |
|----|--|-----------------|-----------------------------------|
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Arid Forest Research Institute, Jodhpur

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|----|--|-----------------|--------------------|
| 4. | Use of biofertilizer for crop productivity enhancement on <i>Piriformospora indica</i> | 29 October 2020 | Rural Women Farmer |
|----|--|-----------------|--------------------|
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Institute of Forest Productivity, Ranchi

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|----|----------------------|---------------------|--------------------------------|
| 5. | Computer Application | 7 to 9 October 2020 | Administrative Staffs of ICFRE |
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Training on Computer Application

Institute of Forest Biodiversity, Hyderabad

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|----|---|----------------------|------------|
| 6. | Statistical Methods in Forestry Research for Scientists | 5 and 6 October 2020 | Scientists |
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Forest Research Centre Livelihood and Ecosystem, Agartala

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|----|---|-----------------|-----------------------|
| 7. | Green Skill Development Programme-
Process Demonstration for Designing
and Production of Plastic Free Broom | 8 October 2020 | Young Bamboo Artisans |
| 8. | Value Addition in Bamboo Product for
Community Enterprise Development | 17 October 2020 | Samaj Shakti Society |



Training on Designing and Production of Plastic Free Broom



Training on Value addition in Bamboo Product for Community Enterprise Development

Memorandum of Understanding

- MoU signed between RFRI, Jorhat (Assam) and CSIR-North Eastern Institute of Science & Technology (NEIST), Jorhat on 26 October 2020 for development joint R&D projects of common interest and work together in mutually agreed areas.
- IFGTB signed an MoU with Musiri Institute of Technology (MIT-CAT) on 8 October 2020 for utilizing their land resources for raising Bamboo Demonstration plots under National Bamboo Mission (NBM) project.



MoU signed between RFRI, Jorhat and NEIST, Jorhat



MoU signed between IFGTB, Coimbatore and Musiri Institute of Technology (MIT-CAT)

Prakriti Programme

IFGTB organized a webinar under Prakriti programme for PSGR Krishnammal College for Women, Coimbatore (Department of Botany) through webinar on 17 October 2020. Dr. C. Kunhikannan, Director, IFGTB delivered the lecture on the topic "Plant diversity of India".



Swachh Bharat Initiative

Established Product sale counter at IFGTB, Coimbatore as part of the NRDMS (DST-8) sponsored project on “Development of compost out of waste for livelihood support to Tribes in Tamil Nadu: a part of Swachh Bharat Mission”.



Product Sale Counter

Popularizing Forestry through All India Radio

Programme Topic	Channel	Date
Rain Forest Research Institute, Jorhat		
Role of Bamboo on increasing farmers' income	All India Radio	20 October 2020

HR NEWS

Retirement/VRS

Name of Officer	Date
Dr. I.P. Borah, Scientist- C, RFRI, Jorhat	31.10.2020
Smt. Jinti Baruah Borthakur, ACTO, RFRI, Jorhat	31.10.2020

Miscellaneous

Institute	Special Day	Date
ICFRE, Dehradun; FRI, Dehradun; IFGTB, Coimbatore; IWST, Bengaluru; RFRI, Jorhat; IFP, Ranchi; IFB, Hyderabad	Vigilance Awareness Week	27 October to 2 November 2020
IFGTB, Coimbatore	Wildlife Week 2020	7 October 2020



Vigilance Awareness Week observed at IFP, Ranchi

Patron:
Shri. A.S. Rawat, Director General, ICFRE, Dehradun

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