

Monthly report for the Month of September 2022

Institute of Wood Science & Technology, Bengaluru

IMPORTANT RESEARCH FINDINGS:

NEW PROJECTS SANCTIONED DURING THE MONTH: Nil

Sl.No	Name of the project	Amount Sanctioned (in Lakhs)	Sponsoring Authority

1. PROJECTS CONCLUDED DURING THE MONTH: 01

Name of the project	Amount Sanctioned	Sponsoring Authority
Development of procedure for forensic identification of illegally cut mangrove trees using molecular marker techniques. PI: Ms. Tresa Hamalton, Sci-D	39.82 Lakhs	Mangrove Foundation, Mumbai

2. PARTICIPATION IN SEMINARS/WORKSHOPS (BOTH NATIONAL & INTERNATIONAL): Nil

Sl. No	Topic	Duration	No. of participants	Beneficiaries

3. MEETINGS ORGANIZED: Nil

Sl. No	Topic	Duration	No. of participants	Beneficiaries

4. MEETINGS ATTENDED: 01

	Topic	Duration	No. of participants	Beneficiaries
1	Dr. T.N. Manohar , Scientist-E as a member of centrally appointed committee to examine HubliAnkola railway line project carried out filed	26-29 Sept 2022	1	

	inspection at YelapurHaliyal, and Karwar and Dharwadconducted field visit and stake holder consultation meeting at Karwa and Hubli			
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5. WORKSHOPORGANIZED: Nil

Sl. No	Topic	Duration	No. of participants	Beneficiaries

6. TRAININGS ORGANIZED: 08

Sl.No	Topic	Duration	No. of participants	Beneficiaries
1	Training on Sandalwood Cultivation and its Prospects under MOEF&CC sponsored Umbrella scheme: Forestry Training and Capacity Building - Training of other Stakeholders	14-16 Sep 2022 (3 days)	30	Students, teachers, NGOs farmers & private companies
2.	Short term training on Sandalwood: Establishment and Maintenance of Healthy Nurseries and Plantations	19-23 Sept 2022 (5 days)	50	Farmers and other sandalwood growers
3.	Training on Wood Identification, seasoning and preservation	20-22 Sept 2022 (3 days)	5	Officials from Museum of Art & Photography, Bangalore.
4.	Specialized Technical Course on Timber Technology	26-30 Sept 2022 (5 days)	15	Group B Officers DGQA (GS), Kanpur.
5	Training on Sandalwood based agroforestry models in collaboration with KVK Suthur (Mysuru).	07 Sept 2022 (1 day)	90	Farmers
6	Training on Bamboo cultivation, management and utilization at Dombekoppa, Shimoga, Karnataka under AICRP project on Bamboo	23 Sept 2022 (1 day)	75	Farmers
7	Training on Sandalwood based agroforestry models at Baraguru, Sira, Tumkur in	28 Sept 2022 (1 day)	115	Farmers

	collaboration with KVK Hirehalli			
8	Training on Sandalwood based agroforestry models at RenukaChandanaVana, Hagalawadi, GubbiTaluk, Tumkurin, collaboration with KVK Konnehalli, Tiptur	29 Sept 2022 (1 day)	150	Farmers

7. TRAININGS ATTENDED:Nil

Sl. No	Topic	Duration	No. of participants	Beneficiaries

8. DEMONSTRATIONS:Nil

Sl.No	Topic	Duration	No. of participants	Beneficiaries

9. PARTICIPATION IN KISAN MELA/EXHIBITION/TRADE FAIR ETC:Nil

Institute	Participated	Duration	Place

10. OTHER EXTENSION ACTIVITY:

- As part of Prakriti program of ICFRE, about 71 students (GradeV) from Presidency School, Nandini Layout, BangalorevisitedNursery, wood museum, AWTC at IWST on 01.09.2022.
- As part of Prakriti program of ICFRE, 88 students (B.Sc Botany final year) & faculty from Maharani Lakshmi Ammanni College, Malleshwaram, Bangalore, visited Tissue culture lab, Molecular Lab, Nursery, Xylarium ,Wood Museum & Advanced Wood Training Centre at IWST on 02.09.2022.
- As part of Prakriti program of ICFRE,73 students (Grade V) & 2 teachers from Presidency School, Nandini Layout, Bangalore (North) visited, Nursery, Wood Museum & Advanced Wood Training Centre at IWST on 06.09.2022.
- As part of Prakriti program of ICFRE , about 80 students (Grade 8, 9 and 10) & 4 teachers from Vidya vaibhav School, Mathikere Banaglore (North) visited T.C. Lab, Nursery, Wood Museum & Advanced Wood Training Centre at IWST on 12.09.2022.
- About 21 trainees from CGBMT (Centre for Green Building Materials and Technology), Bangalore visited IWST as a guided site tour on 13.09.2022. They were

given a demonstration on Bamboo preservation techniques and explained about Bamboo drying techniques and Bamboo Lumber.

- As part of Prakriti program of ICFRE, about 21 students (B.Sc. Agri skills and Entrepreneurship) from G.P.S. Institute of Agriculture Management, Bangalore Tissue culture lab, Molecular Lab, Nursery, Xylarium, Wood Museum & Advanced Wood Training Centre at IWST on 14.09.2022.
- As part of Prakriti program of ICFRE, about 54 students (B.Sc. Forestry) and faculty from Forest College and Research Institute, Mettupalayam visited Tissue culture lab, Molecular Lab, Nursery, Xylarium, Wood Museum & Advanced Wood Training Centre at IWST on 15.09.2022.
- As part of Prakriti program of ICFRE, about 54 students (B.sc Forestry) and 2 faculty from BEST Innovation University visited T.C.Lab, Nursery, Wood Museum & Advanced Wood Training Centre at IWST on 23.09.2022.

11. RESEARCH PAPERS:

Research article

- Arunkumar A. N.; Joshi, Geeta; Warriar, Rekha R. (2022). Growth Assessment of Young Plantation of *Santalum album* with *Dalbergia latifolia* as Host. *Indian Forester*, 148(8):785-790.

Book

- Indian Sandalwood – a compendium. (2022). Arunkumar A. N., Joshi G., Warriar R. R., Nataraja K.N. Indian Sandalwood – a compendium, (Eds:), Springer Nature, Singapore.

Book chapters

- Arun Kumar, A. N. and Seetharam, A. (2022). Tree Improvement of Sandalwood in India with Special Emphasis on Heartwood and Oil—An Analysis. In: Indian Sandalwood – a compendium, (Eds: Arunkumar A. N., Joshi G., Warriar R. R., Nataraja K.N.), Springer Nature, Singapore.
- Arun Kumar, A. N., Joshi, G. and Srinivasa, Y.B. (2022). Heartwood and Oil Content Variation in Sandalwood Accessions from Diverse Origins. In: Indian Sandalwood – a compendium, (Eds: Arunkumar A. N., Joshi G., Warriar R. R., Nataraja K.N.), Springer Nature, Singapore.
- Arun Kumar, A. N. and Nataraja, K.N. (2022). Photosynthesis in Indian Sandalwood. In: Indian Sandalwood – a compendium, (Eds: Arunkumar A. N., Joshi G., Warriar R. R., Nataraja K.N.), Springer Nature, Singapore.
- Arunkumar A. N., Joshi G., Warriar R. R., Nataraja K.N. (2022). Future directions for Indian Sandalwood. In: Indian Sandalwood – a compendium, (Eds: Arunkumar A. N., Joshi G., Warriar R. R., Nataraja K.N.), Springer Nature, Singapore.
- Arunkumar A. N., Sarmah, D. (2022). Sandalwood in Karnataka—Past and Present Status. In: Indian Sandalwood – a compendium, (Eds: Arunkumar A. N., Joshi G., Warriar R. R., Nataraja K.N.), Springer Nature, Singapore.

- Arunkumar A. N., Joshi G., Kumar S. (2022). Marayoor Sandalwood Reserve—The Last Bastion of Indian Sandalwood. In: Indian Sandalwood – a compendium, (Eds: Arunkumar A. N., Joshi G., Warriar R. R., Nataraja K.N.), Springer Nature, Singapore.
- Joshi, G., Arun Kumar A. N., and Rekha R. Warriar. Seed Biology. In: Indian Sandalwood – a compendium, (Eds: Arunkumar A. N., Joshi G., Warriar R. R., Nataraja K.N.), Springer Nature, Singapore.

12. VISIT OF DIGNITARIES: Nil

13. CONSULTANCIES: Nil

14. OTHER IMPORTANT ACTIVITIES:

- MoU between Institute of wood science and technology, Bangalore and M/s Pakka Impact Ltd (India) was signed on 08th September 2022 with the objective of developing sustainable and compostable products using biopolymers and bio additives and commercializing green and sustainable products for mass production.
- Dr. Dhanania, Chairman Rubber Board visited IWST on 07-09-2022 and had discussion with Dr. M. P. Singh and Scientists of IWST for promoting rubber wood in India. Smt. Radhadevi, MD, KFDC also participated in the discussion.
- A Lecture titled “Forest Based Handicrafts, South India: Status, Challenges and Prospects” was delivered on 27/09/2022 by Dr. Rakesh Kumar to the participant of one week (26th-30th September, 2022) compulsory training course on Forest Based Handicrafts and International Trade for Indian Forest Service (IFS) Officers. The training was organized by Amity School of Natural Resources & Sustainable Development Amity University Uttar Pradesh.
- Dr. A. Muthukumar, Scientist-E executed Field Inspection affiliated to BBMP, Bengaluru Urban, on 6.9.2022 and 7.9.2022 with reference to the Notice No.ACF/PR 41 /2022-23/ dated 2.9.2022 and on 17/09/2022 and 18/09/2022 with reference to Notice no. ACF/PR.77/2021-22 dated 16.9.2022 as an Expert Member of TEC (assigned by High Court of Karnataka / Govt. of Karnataka)..
- Dr. Mukul Bhooshan Singh, JHT and Mrs. S. Naveena, LDC attended Hindi Rajbhasha Conference held at Surat from 14 - 15. Sept 2022.
- Hindi officer and Hindi cell staff attended ICFRE Official Language Implementation Committee Meeting (through Online mode) on 28.09.2022
- Hindi Pakhwada was celebrated from 14.9.2022 to 28.9.2022. As part of the celebrations, various competitions were conducted for IWST employees and students and the winners were felicitated. Dr. S. N. Singh, Director (Retd), Central Translation Bureau, Rajbhasha Department, Bangalore was the chief guest of the valedictory program held on 29 Sept 2022.
- Hindi Workshop was conducted for all Technical Staffs of IWST on 30.09.2022

- Test Reports (4) wood samples for identification, (1) sample for moisture content, (2) samples for Density, Chemical analysis (1No), Sandal oil test (1No) were sent to the concerned Department/parties.