

Monthly report for the Month of June 2021
Institute of Wood Science & Technology, Bengaluru

1. IMPORTANT RESEARCH FINDINGS: -

2. NEW PROJECTS SANCTIONED DURING THE MONTH: Nil

Sl. No	Name of the project	Amount Sanctioned	Sponsoring Authority

3. PROJECTS CONCLUDED DURING THE MONTH: Nil

Sl.No	Name of the project	Amount Sanctioned	Sponsoring Authority

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

Sl.No	Topic	Duration	No. of participants	Beneficiaries
1	Attended and presented a paper on "Effect of tree species and organic manures on physico-chemical properties of coal-mine soil and seed germination in coal-mine soil" at the International Webinar on "Ecology, Restoration and Management"	12-14 June 2021 2 days	1	SERI, Kolkata, Scientists and other staffs
2	Participated in the International Conference on 'Environment, Agriculture, Human and Animal Health' organized by 'Voice of Indian Concern for the Environment', and judge for oral presentations	6 June 2021	1	Scientists

5. MEETINGS ORGANIZED:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
01	World Environment Day celebration under the theme	5 June 2021		IWST Director, Officers, Scientists and staff

	“Ecosystem Restoration: Reimagine, Recreate, Restore”	1 day		
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6. MEETINGS ATTENDED:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
1	Participated in World Environment Day celebration organized by MoEF&CC under the theme “Ecosystem Restoration: Reimagine, Recreate, Restore”	5 June 2021 1 day		IWST Director, Officers, Scientists and staff
2	Participated in World Environment Day celebration organized by FRI, Dehradun under the theme “Ecosystem Restoration: Reimagine, Recreate, Restore”	5 June 2021 1 day		IWST Director, Officers, Scientists and staff

7. WORKSHOP ORGANIZED:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
1	Hosted Bharat Ka Amrut Mahotsav: Online Program on “Wood Composites”. The technical session included address/presentation by renowned industrialists, and scientists from wood, panel & ply industry, furniture industry, wood composite and related sector.	11 June 2021	45	Industrialists, scientists, academicians, research scholars etc. The same is also available on youtube.

8. TRAININGS ORGANIZED:

Sl.No	Topic	Duration	No. of participants	Beneficiaries
1.	Sandalwood Farming and Management of its health.	30 June 2021 (1 Day)		Sandal growers

9. TRAININGS ATTENDED: Nil

Sl. No	Topic	Duration	No. of participants	Beneficiaries

10. DEMONSTRATIONS: Nil

Sl.No	Topic	Duration	No. of participants	Beneficiaries

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

Institute	Participated	Duration	Place

12. OTHER EXTENSION ACTIVITY:

- A Tripartite Memorandum of Understanding (MoU) has been signed by Institute of Wood Science and Technology (IWST), Konkan Bamboo and Cane Development Centre, Kudal, Sindhudurg, and Phoenix Foundation, Santha, Lodaga Taluka- Ausato establish and conduct research within the area of bamboo utilization. The MoU is effective for 5 years from 1st day of June 2021.
- The fourth issue (March- June 2021) of the quarterly magazine “Wood is Good: Grow More, Use More” has been brought out by the institute.
- S.K. Sharma, M. Sujatha, S. Shashikala, Jean Simon (2021). Utilization Potential of Palmyra Palm Wood (*Borassus flabellifer* L.). IWST Technical Bulletin No. 24. PP 16.

13. RESEARCH PAPERS:

- R Kumar, Gunjal J, S.S. Chauhan (2021) Effect of carbonization temperature on properties of natural fiber and charcoal filled hybrid polymer composite Composites Part B: Engineering. 217 (2021)108846
- Durai, M V (2021). Grading of bamboo for high economic returns. Wood is Good magazine (Current issue)
- Durai M V (2021). Marketing of bamboo and its products. Wood is Good magazine (Current issue)
- Hamalton, T., Pooja, S.J. and Khanam, A. (2021) Propagation of the true ebony, *Diospyros ebenum* Koenig: A Review. The Journal of Plant Science Research 37(1): 231-236.
- Kantha Reddy, M., R. Raja Rishi, Soma Mondal and R. Sundararaj (2021). Bio-deterioration in Indian Sandalwood *Santalum album* Linn. : A prime factor for loss of heartwood. Medicinal Plants Vol. 13 (2): 313-317 (NAAS. 5.14).
- Muthu Kumar, R., R. Ezhumalai, A.K. Pandey and SrinivasaRao, M (2021). Emission of Methane from dead trees/snags of tropical and sub-tropical forest ecoregions. Int. J. Curr. Microbial. App. Sci. 10 (05): 418-428.

14. VISIT OF DIGNITARIES: Nil

15. CONSULTANCIES:

16. OTHER IMPORTANT ACTIVITIES:

- World Environment Day was celebrated through online mode on 5 June 2021 under the theme ‘Ecosystem Restoration’: Reimagine, Recreate, Restore). Sri A. K. Bansal, IFS (Retd.), Former Additional Director General of Forests, MoEF&CC was the Chief Guest of the program. The inaugural address was followed by presentations from Bamboo Society of India (Karnataka), KONBAC, and IWST Scientists. Planting of *Santalum album*, *Ficus mysuransis*, *Muntingia calabura* saplings within the campus was also undertaken.
- Officers, staff and students of IWST participated on virtual platform of various organizations and performed yoga and related exercises on the occasion of International Yoga day on 21 June 2020.
- As part of student visit to institutions engaged in Research and Extension activities in forestry, a virtual study tour was conducted for post graduate students of College of Forestry, Ponnampet, University of Agricultural and Horticultural Sciences, Shimogga, Karnataka on 28.6.2021.
- Submitted PCR’s for the completed projects namely:
 - Evaluation of palm wood (*Borassus flabellifer* and *Areca catechu*) and their suitability for various applications. (PI Dr. S.K. Sharma, Scientist-G).
 - Value-addition of low density woods by producing nano-wood-composites (NWC) with enhanced properties for high end applications. (PI Dr. S.R. Shukla, Scientist – G).
- Dr. Rakesh Kumar presented progress of research project titled "Phytochemical Studies of *Pterocarpus santalinus* Bark for its Potential Utilization" during second review meeting by National Biodiversity Authority Chennai on June 18, 2021,
- Mr. Veer Singh Gautam gave a presentation on “Wooden handicraft sector based species” in Monthly Seminar on 29 June 2021
- As per order of Hon’ble High Court of Karnataka, Dr. A. Muthukumar, Scientist-E attended Tree Expert Committee meeting as an Expert Member through virtual mode on 8.6.2021, 15.6.2021 and 25.6.2021 held at BMCRL, Project Office, M.G. Road, Bengaluru.
- As per order of Hon’ble High Court of Karnataka, Dr. A. Muthukumar, Scientist-E executed Field Inspection to assess field condition of the trees at different project areas of BMCRL and ADE (DRDO) on 24.6.2021 and subsequently the reports were submitted.
- Test reports of 2 samples for identification, 1 sample for moisture content, 3 samples for Density and 24 samples tested for mechanical properties, the same were sent to the concerned department/parties.
