

# Monthly report for the Month of September 2020

## Institute of Wood Science & Technology, Bengaluru

### IMPORTANT RESEARCH FINDINGS:

1. NEW PROJECTS SANCTIONED DURING THE MONTH: NIL

2. PROJECTS CONCLUDED DURING THE MONTH: NIL

Name of the project	Amount Sanctioned	Sponsoring Authority

3. PARTICIPATION IN SEMINARS/WORKSHOPS (BOTH NATIONAL & INTERNATIONAL): NIL

Sl. No	Topic	Duration	No. of participants	Beneficiaries

4. MEETINGS ORGANIZED: NIL

Sl. No	Topic	Duration	No. of participants	Beneficiaries

5. MEETINGS ATTENDED:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
1	'Prioritisation of species for FGR programme' A Virtual Workshop was organised by Dr. N. Ravi and Mrs. Tresa Hemalton IWST, Bengaluru	2 <sup>nd</sup> September 2020	60	Stakeholders, Researchers, Officers
2	A virtual meeting on "Safeguards information system for REDD+ India was held at IWST, Bengaluru.	16 <sup>th</sup> September 2020	50	State Forest Departments, Karnataka, Goa, Andhra Pradesh and other officials, research institutions, NGO and general public
3	A meeting was convened at IWST and also hosted virtually, to discuss suggestions among Scientists and Officers of IWST to amend Biological Diversity Act 2002, Biological Diversity Rules 2004 and ABS	18 <sup>th</sup> September 2020	20	Scientist and Officers of IWST

	Regulations 2014. Organised by Smt. TresaHamalton, Scientist-C, Nodal Officer at IWST and ICFRE's committee member for drafting the amendments.			
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#### 6. WORKSHOP ORGANIZED: NIL

Sl. No	Topic	Duration	No. of participants	Beneficiaries

#### 7. TRAININGS ORGANIZED:

Sl.No	Topic	Duration	No. of participants	Beneficiaries
1	Sandalwood farming and management of its health	21.9.2020 to 24.9.2020	1040	All entrepreneurs, industrialists and farmers
2	NABL	3 hours	10	Training on Audit

#### 8. TRAININGS ATTENDED: NIL

Sl.No	Topic	Duration	No. of participants	Beneficiaries

#### 9. DEMONSTRATIONS: NIL

Sl.No	Topic	Duration	No. of participants	Beneficiaries

#### 10. PARTICIPATION IN KISAN MELA/EXHIBITION/TRADE FAIR ETC:

Institute	Participated	Duration	Place
IWST	IWST participated in Bamboo Cultural Fest 2020 by presenting two posters and one video in the Virtual exhibition organized by Bamboo Society of India	28 <sup>th</sup> September 2020	Bamboo Society of India, Bengaluru

#### 11. OTHER EXTENSION ACTIVITY:

- Dr. K. K. Pandey attended UNEP - Environmental Effects Assessment Panel Meeting (Virtual meeting) from 17<sup>th</sup> to 30<sup>th</sup> September 2020.

#### 12. RESEARCH PAPERS:

- N. Ravi , Aparna Rajan , G. Ravi Kumar , Sunny A.M , Mamata Ravindra & S. Bordoloi, "A preliminary study on physico-chemical evaluation of Agar

(*Aquilaria Malaccensis*) seed oil from three different locations” *International Journal of Research in Applied, Natural and Social Sciences* (IMPACT: IJRANSS) ISSN (P): 2347–4580; ISSN (E): 2321–8851 Vol. 8, Issue 8, Aug 2020, 1–10.

- Raja Rishi, R. and R.Sundararaj (2020). Record of *Nomuraearileyi*(Farlow) Samson (Hypocreales: Clavicipitaceae) in *Hypocalasp.* (Lepidoptera: Erebidiae) from the Mangroves of Maharashtra, India. *Journal of Entomology and Zoology Studies*.8 (5), 699-701
- Raja Rishi, R. and R.Sundararaj (2020). Is the use of nanoparticles in pest and disease management safe? *Insect Environment e-Journal*. 22, 31-32. doi:10.1080/03601231003704457
- Bhushan U. Kelkar, S.K. Sharma, S.R. Shukla (2020) Optimization of pressing parameters of PF-bonded laminated bamboo lumber from *Dendrocalamus brandisii*. *Journal of Indian academy of Wood Science* 17(2).
- RM Abhilash, G. S. Venkatesh and S.S. Chauhan: Micromechanical modeling of bamboo short fiber reinforced polypropylene composites". *Multiscale and Multidisciplinary Modeling, Experiments and Design*, <https://doi.org/10.1007/s41939-020-00081-3> (Published online).

### **13. VISIT OF DIGNITARIES: NIL**

### **14. CONSULTANCIES:**

Advisory consultancy on health assessment of trees at Prestige Langleigh Apartments, White Field was carried out on 04.09.2020 by Dr. A. Muthukumar, Scientist-E, FP Division, IWST.

### **15. OTHER IMPORTANT ACTIVITIES:**

- Dr. R. Sundararaj, Nodal Officer, FRIDU (IWST centre) organized and also acted as Member Secretary online mode interview at IWST for Ph.D. admission on 13.09.2020 for 26 candidates.
- Dr. R. Sundararaj, Scientist G and Head attended meeting of Departmental Peer Review Committee (DPRC) for Promotion of Scientist under Flexible Complementing Scheme and Departmental Confirmation Committee for confirmation of scientists of IPIRTI on 25.09.2020 at IWST, Bangalore.
- Test reports of 5 wood samples for identification, 5 samples for moisture content, 2 samples for Density and 2 samples for other tests were sent to the concerned department/parties.
- One sample received from M/s. M Square Engineers, Pune analysed and test report dispatched.
- Dr. R. Sundararaj, Scientist-G and Head attended meeting of the State Level Forestry and Wildlife Research Advisory Committee on 25.09.2020 at 11.00 a.m.

and submitted a project at Aranya Bhavan, Karnataka Forest Department, Bangalore.

- Dr. R. Sundararaj, Scientist-G and Head attended as a Member capacity in Advisory Committee for Post Graduate student of the Department for the year 2019-2020 for the student Mr. Monoj, H., I Ph.D., Agricultural Entomology, College of Agriculture, Shivamogga on 19.9.2020.
- An article titled “Invisible killer threatens India’s sandalwood forests” has been published in renowned and popular national daily newspaper “The Hindu” (Bengaluru edition) on 28<sup>th</sup> September 2020 highlighting and detailing “Dreaded sandalwood spike diseases has resurfaced, seriously infecting natural habitats in Karnataka, Kerala’. Information provided by Dr. R. Sundararaj, Scientist-G and Mr. R. Raja Rishi, Scientist-D.
- Dr. Muthukumar, A.Scientist-E participated as an expert member in the introductory meeting of the Tree Expert Committee held on 05.09.2020, with additional members appointed to the Committee.
- Dr. Muthukumar, A. Scientist-E as TEC member carried out field visit to NIMHANS on 10.09.2020 for assessment of trees to be saved in a proposed project site falling under BBMP jurisdiction.
- Dr. Muthukumar,A. Scientist-E as Tree Expert Committee member carried out field visits on 10.09.2020 to State Horticulture farm, Hulimavu, 17.09.2020 to Kadugodi State Forest Plantation (Tamarind), 15.09.2020 to Bennigenahalli Lake regarding field assessment and preparation of inspection report on alternative ways to save trees of the said BMRCL project.
- Dr. Muthukumar, A. Scientist-E as TEC member carried out field visit on 24.09.2020 and submission of report on alternative ways to save trees at locations viz., Govt. Girls PUC, BWSSB, KV and 8<sup>th</sup> Main Road in Malleshwaram, under BBMP jurisdiction.
- Dr. Muthukumar, A. Scientist-E participated and presented the ongoing AICRP project on Biofertilizers to Karnataka Forest Department on 17<sup>th</sup> State Level RAC meeting under the Chairmanship of PCCF, KFD on 25.09.2020, for taking up research activities in KFD nurseries and plantations.
- Dr. Shakti Singh Chauhan delivered lecture on "Engineered wood and their application in wooden doors and windows: Conventional versus Engineered wood" in training organized by FRI Dehradun for M/s Asahi India Glass Ltd, Mumbai” on 10.09.2020.

- Dr. Shakti Chauhan delivered a lecture on "Bamboo Polymer Composites" as the panel member on 18.09.2020.
- Filed two provisional patents entitled “Novel wood veneer and natural fiber reinforced thermoplastic based hybrid composite” and “Simple pretreatment of oil seed for deacidification of natural oil”.
- All scientists of the division attended the RAG meeting on 29<sup>th</sup> September 2020.