

## **Monthly report for the Month of March 2022**

### **Institute of Wood Science & Technology, Bengaluru**

#### **IMPORTANT RESEARCH FINDINGS:**

**Project Title: AICRP-31 : Study of climate driven effects on Indian forests through long term monitoring** :

- Installed Automatic Weather Station at Baghawathi Nature Camp, Kudremukh National Park.
- Studied phenology of marked trees species at AnshiDandeli Tiger Reserve (350 plants) and Kudremukh National Park (400 plants) and recorded data.
- Collected Litter from Litter traps placed in the permanent observation plots at Anshi – Dandeli Tiger Reserve (81 Traps) and Kudremukh National Park (90 Traps). Seggregated litter in to leaf, stem, flowers, fruits etc and determined the fresh weight and further dried and powdered. Nutrient analyses will be done.
- Determined the soil moisture percentage along the phenology track at different locations in Anshi-Dandeli Tiger Reserve and Kudremukh National Park.



Biodiversity estimation in Anshi dandeli Tiger Reserve

**1. NEW PROJECTS SANCTIONED DURING THE MONTH: Nil**

**2. PROJECTS CONCLUDED DURING THE MONTH: Nil**

<b>Name of the project</b>	<b>Amount Sanctioned</b>	<b>Sponsoring Authority</b>

**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: 01**

	Topic	Duration	No. of participants	Beneficiaries
1	Dr. B. N. Diwakara attended second half yearly review meeting of Indo German collaboration research project and presented the progress of the project entitled “spatio temporal landuse patterns at rural urban interface and the relationship between green raeas and biophysical features –phase II on 23.3.2022 held at institute of social and economic change (ISEC), Nagarabhavi, Bengaluru	23 March 2022 1 day	1	

**6. WORKSHOP ORGANIZED: Nil**

Sl. No	Topic	Duration	No. of participants	Beneficiaries

**7. TRAININGS ORGANIZED: 05**

Sl.No	Topic	Duration	No. of participants	Beneficiaries
1	Training on <b>Wood seasoning, preservation and composite wood</b> under HRD Program of ICFRE	7 -11 March 2022	12	Scientist from various ICFRE institute

2	One week compulsory training for IFS officers through physical mode on <b>Advances in Wood Production and Utilization</b> sponsored by MoEF&CC, New Delhi	14-18 March 2022	11	In-service IFS officers nominated by MoEF&CC
3	Webinar on <b>Augmenting Teak timber in India: Way Forward</b> under Azadika Amrit Mahotsav and also to commemorate International day of Forests.	21-22 March 2022 2 day	95	All State Forest Departments, All Universities, Forestry Colleges,
4	Webinar on <b>Sandalwood farming and management of its health</b> under Azadi ka Amrit Mahotsav	25 March 2022 1 day	150	Students, researchers, academicians, farmers and individuals from various backgrounds
5	Webinar on <b>Need an act to revive agro wood based sector in India</b> under Azadi ka Amrit Mahotsav	28 March 2022 1 day		Stakeholders from wood industries. Researchers, Scientists, academicians

#### 8. TRAININGS ATTENDED:05

Sl. No	Topic	Duration	No. of participants	Beneficiaries
1	Global positioning system for technical staff of ICFRE institutes under HRD plan of ICFRE for 2021-22	1-3 March 2022	1	Technical staff
2.	Application of bio-char and nano-fertilizer for quality planting stock” (HRD training programme by ICFRE)	7-11 March 2022	1 Scientist	Scientists
3.	Webinar on Prevention of sexual harassment of women at workplace (Prevention, prohibition and redressal) Act 2013 conducted by IFGTB, Coimbatore under HRD Plan of ICFRE	10-11 March 2022 2 days	3	Technical Staff
4	Online training on “Soil and Water Assessment Tool (SWAT)” organized by	Feb 28 – Mar 04, 2022.	2	Scientist

	National Institute of Hydrology Roorkee under HRD training program of ICFRE			
5	Online training on 'Bioinformatics and Computational Biology under ICFRE-HRD	28.2.2022 to 4.3.2022	1	Scientists

## 9. DEMONSTRATIONS: Nil

Sl.No	Topic	Duration	No. of participants	Beneficiaries

## 10. PARTICIPATION IN KISAN MELA/EXHIBITION/TRADE FAIR ETC: 01

Institute	Participated	Duration	Place

## 11. OTHER EXTENSION ACTIVITY:

- IWST, Bangalore celebrated International Womens Day on 8 March 2022. On this occasion, Smt. Meenakshi Negi, IFS , APCCF (CAMPA), Karnataka Forest Department delivered a talk on “:Gender equality today for sustainable tomorrow”
- As part of Prakriti program of ICFRE, about 45 students of BSc (Interior Design) from Nitte School of Fashion Technology and Interior Design, Bangalore visited UTM Lab, Xylarium, workshop, wood museum and Advance Woodworking Training Centre, at IWST, Bangalore on 25 March 2022
- As part of Prakriti program of ICFRE, about 6 students of BArch (II Sem) from Impact School of Architecture, Bangalore visited UTM Lab, Xylarium, workshop, wood museum and Advance Woodworking Training Centre, at IWST, Bangalore on 28 March 2022

## 12. RESEARCH PAPERS:

- Bargur Neelappa Divakara and Chitradurga Umesh Nikhitha Assessing the performance of *Pongamia pinnata (i.) Pierre* under *Ex-situ* condition in Karnataka . *Journal of Forest and Environmental Science* vol. 38, No.1, PP12-20 March 2022
- Sarath, S An Industrially Important Endemic Reed Bamboo Of Western Ghats: *Ochlandra travancorica (bedd.) Gamble* ; Agrobios Newsletter, Volume: 20 | Issue: 9)

- P. Bisht, K.K. Pandey, G, Srinivas (2022) Optical properties of transparent wood composites prepared using transverse sections of poplar wood *Holzforchung*, DOI: 10.1515/hf-2021-0242
- M. C. Anish, B. N. Giridhar, S. Nair, N. S. Anantha & K. K. Pandey (2022) Influences of extractives and thermal modification on the UV resistance of *Albizia lebbek* wood, *Wood Material Science & Engineering*, DOI: 10.1080/17480272.2022.2053586
- S.R.Shukla, S.Shashikala and M. Sujatha (2021) Anatomical, physical and mechanical properties of *Santalum album* Linn. (Sandalwood) and its various uses. *Wood is Good* Vol.2 Issue 2: 93-95.
- Shukla S.R., R. Kamalakannan, P.G. Suraj, M. Varghese and C.E. Jayasree. (2022). Evaluation of growth and wood traits in seven-year-old *Eucalyptus* and *Corymbia* species in Southern India *Indian Forester*, 148 (2):1-7, DOI: 10.36808/if/2022/v148i2/155773.
- A. K. Sethy, S. K. Sharma, S. Shashikala and J. Simon (2021). Steam bending properties of selected plantation grown timbers. *My Forest –Vol. 57 (Issue 4): 7–14*

#### **Book Chapter**

- Sandeep, C. and T.N. Manohara. 2022. Origin, Tradition and Cultural Importance of Sandalwood in India and its role in Conservation of Natural Populations, In Malali Gowda, Mallesh H.B. and Chittaranjan Kole (ed.) *The Sandalwood Genome*. Publisher: Springer Nature.

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

#### **14. CONSULTANCIES: Nil**

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

- Dr. R. Sundararaj, Scientist-G performed as External Examiner for Sh. A. Sandanakirouchenane, Ph.D. Scholar in Microbiology under Pondichery University. Puducherry on 11.3.2022 (online mode).
- Dr. A. Muthukumar, Scientist-E executed Field Inspection affiliated to BBMP, Bengaluru Urban and BMRCL projects and submitted Inspection Reports on 01/03/2022 and 02/03/2022 with reference to Notice no. ACF/PR.77/2021-22 dated 19/02/2022, as an Expert Member of TEC (assigned by High Court of Karnataka / Govt. of Karnataka)
- Dr. A. Muthukumar, Scientist-E, with reference to Notice no. ACF/PR.85/2021-22 dated 21/03/2022, as an Expert Member of TEC (assigned by High Court of Karnataka / Govt. of Karnataka) attended TEC meeting on 24/03/2022.

- Test reports of 12 wood samples for identification, 8 samples for moisture content, 9 samples for Density, hardness 1 No. and Sandalwood oil sample (1 No) were sent to the concerned department/parties