

Monthly report for the Month of July 2019
Institute of Wood Science & Technology, Bengaluru

1. IMPORTANT RESEARCH FINDINGS: Nil

2. NEW PROJECTS SANCTIONED DURING THE MONTH: Nil

3. PROJECTS CONCLUDED DURING THE MONTH:

Name of the project	Amount Sanctioned	Sponsoring Authority
Premature dying of trees of <i>Acrocarpus fraxinifolius</i> (Balanji) in parts of Kodagu district	Rs. 5.00 L	KFD

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

Sl. No	Topic	Duration	No. of participants	Beneficiaries
1	Dr. R. Sundararaj, one JRF and one JPF attended Biotic Science Congress 2019: National Conference on Challenges and Innovative Approaches in Agriculture and Allied Sciences Research, held at Sona College of Arts and Science, Salem-636005.	26 and 27 th July 2019	220	Researchers and farmers

5. MEETINGS:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
Nil				

6. WORKSHOP:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
Nil				

7. TRAININGS ORGANIZED:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
Nil				

8. TRAININGS ATTENDED:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
Nil				

9. DEMONSTRATIONS:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
Nil				

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

Institute	Participated	Duration	Place
Nil			

11. OTHER EXTENSION ACTIVITY:**12. RESEARCH PAPERS:**

- Geeta Joshi, **Shakti Singh Chauhan**, Arunkumar, A. N, Ajay, T. L, Sreedevi, C. N, AparnaRajan, Annapurna Dhavala. (2019) Phenotyping using pilodyn as a tool, selective genotyping and preliminary genetic diversity estimation for wood basic density in *Meliadubia*. *Academia Journal of Biotechnology* 7(6): 107-115, June 2019.

- A.S. Rao, Giridhar B.N., S. Nair, A. Chathoth, **K.K. Pandey** (2019) Flexible transparent wood prepared from poplar veneer and polyvinyl alcohol, **Composites Science and Technology**, 182, Article No. 10779.
- P.W. Barnes, C.E. Williamson, R.M. Lucas, S.A. Robinson, S. Madronich, N.D. Paul, J.F. Bornman, A.F. Bais, B. Sulzberger, S.R. Wilson, A.L. Andrady, R.L. McKenzie, P.J. Neale, A.T. Austin, G.H. Bernhard, K.R. Solomon, R.E. Neale, P.J. Young, M.N., L.E. Rhodes, S. Hylander, K.C. Rose, J. Longstreth, P.J. Acamp, C.L. Ballaré, R.M. Cory, S.D. Flint, F.R. de Gruijl, D.-P. Häder, A.M. Heikkilä, M.A.K. Jansen, **K.K. Pandey**, T. M. Robson, C.A. Sinclair, S. Wängberg, R.C. Worrest, S. Yazar, A.R. Young and R.G. Zepp (2019). Ozone depletion, ultraviolet radiation, climate change and prospects for a sustainable future, **Nature Sustainability**, 2, 569-579.
- **S.R. Shukla**, J. Zhang, Pascal Kamdem (2019) Pressure treatment of *Heaveabrsiliensis*(rubberwood) with waterborne micronized copper azole: effects on retention, copper leaching, decay resistance and mechanical properties. *Construction and Building Materials* 216 : 576-587.
- **Sundararaj, R.** 2019. Learning Experiences from farmers' choice and wrong silvicultural practices for managing the health of growing Indian sandalwood (*Santalum album* Linn.) Paper presented in the National Conference on “**Challenges and Innovative Approaches in Agriculture a& Allied Sciences Research**” under Biotic Science Congress 2019, organized by Society for Biotic and Environmental Research, Tripura in collaboration with Regional Sericulture Research Station, Salem, Tamil Nadu from 26 to 27 July 2019. P. 55.
- **Sundararaj, R.** and Shwetha, V., 2019. Expansion of the host range of the invasive solanum whitefly, *Aleurothrixustrachoides* (Back) (Hemiptera: Aleyrodidae) in India. Paper presented in the National Conference on “**Challenges and Innovative Approaches**

in Agriculture a& Allied Sciences Research” under Biotic Science Congress 2019, organized by Society for Biotic and Environmental Research, Tripura in collaboration with Regional Sericulture Research Station, Salem, Tamil Nadu from 26 - 27 July 2019. P. 164.

- Poster Presentation on “Study on root architecture in two nationally prioritized bamboo species in semi-arid region of Karnataka” in the National Conference on **“Challenges and Innovative Approaches in Agriculture a& Allied Sciences Research”** under Biotic Science Congress 2019, organized by Society for Biotic and Environmental Research, Tripura in collaboration with Regional Sericulture Research Station, Salem, Tamil Nadu from 26 - 27 July 2019. P. 164.
- Oral Presentation on “Effects of Biochar application as a soil amendment for sustaining productivity of bamboo plantation in semi-arid region of Karnataka” in the National Conference on **“Challenges and Innovative Approaches in Agriculture a& Allied Sciences Research”** under Biotic Science Congress 2019, organized by Society for Biotic and Environmental Research, Tripura in collaboration with Regional Sericulture Research Station, Salem, Tamil Nadu from 26 - 27 July 2019. P. 164.
- Poster presentation on “*Cinderella* Agroforestry Systems – A review on major traditional agroforestry systems and practices across the world” in the National Conference on **“Challenges and Innovative Approaches in Agriculture a& Allied Sciences Research”** under Biotic Science Congress 2019, organized by Society for Biotic and Environmental Research, Tripura in collaboration with Regional Sericulture Research Station, Salem, Tamil Nadu from 26 - 27 July 2019. P. 164.

13. **VISIT OF DIGNITARIES:** Dr. Pankaj Srivastava, IFS, Director, Indian Institute of Forest Management and Mr. Deepak Sinha, IFS, Inspector General of Forest, Ministry of Environment, Forest and Climate Change visited the Institute on 10th July, 2019.

14. **CONSULTANCIES:**

Following consultancy work were executed during this month by Dr.A.Muthukumar.

- Assessment of sandalwood trees for transplantation at drama theatre reservation site, Nashik
- Investigation on health status of trees for translocation at BHEL campus, Bangalore
- Health assessment of trees at U.R. Rao Satellite centre, ISRO, Bangalore

15. OTHER IMPORTANT ACTIVITIES:

- As part of education tour 110 students of class 4 from M.E.S. Kishore Kendra, Bangalore visited the institute on 15th July 2019
- Under Prakruti Program 45 students of class 9 from Kendriya Vidyalaya, IISc Campus, Bangalore visited the institute on 23rd July 2019.
- Under Prakruti Program 35 students of class 9 from Kendriya Vidyalaya, IISc Campus, Bangalore visited the institute on 24th July 2019.
- Under Prakruti Program 44 students of class 9 from Kendriya Vidyalaya, IISc Campus, Bangalore visited the institute on 25th July 2019.
- Wood testing enquiries (2 samples for identification, 3 samples for moisture content and 1 sample for specific gravity tests were received and 1 sample for other tests, test reports of 8 samples for identification, 2 samples for moisture content, 41 samples for density and 3 sample for other tests, were sent to the concerned department/parties.)
- Students from Allahabad Agriculture University, Prayagraj underwent the training at Advanced Wood Working training Centre. Mr. N. Mohan Karnat, IFS chaired the concluding session on 11th July, 2019 and distributed the certificates.