

**Monthly report for the Month of December 2018**  
**Institute of Wood Science & Technology, Bengaluru**

IMPORTANT RESEARCH FINDINGS: Nil

NEW PROJECTS SANCTIONED DURING THE MONTH:

Name of the project	Amount Sanctioned	Sponsoring Authority
Nil		

1. PROJECTS CONCLUDED DURING THE MONTH: Nil

2. ORGANIZATION OF SEMINARS/WORKSHOPS (BOTH NATIONAL & INTERNATIONAL) :

Sl. No	Topic	Duration	No. of participants	Beneficiaries
1	14th National Silviculture Conference on "Forest & Sustainability: securing a common future"	03.12.2018 to 05.12.2018	350	Forest Department officials from all over India and stakeholders like , academicians, students, industrialists, farmers etc.

3. MEETINGS:

Sl. No	Topic	Duration	No. of participants	Beneficiaries

4. WORKSHOP:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
Nil				

5. TRAININGS IMPARTED:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
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01	Short term Training on Wood Protection	5 days (17-21 Dec 2018)	11	Naval Dockyard, Mumbai
02	Short term training on Sandal wood – Seed handling, nursery and plantation Technology	5 days (10 - 14 Dec 2018)	47	NGO's, Foresters and Farmers.

6. DEMONSTRATIONS:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
Nil				

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

Institute	Participated	Duration	Place
Department of Industries and Commerce (Govt. of Kerala) in association with Kerala State Bamboo Mission and Kerala Bureau of Industrial Promotion	Kerala Bamboo Fest – 2018	7-11 December 2018	Ernakulam, Kerala

8. OTHER EXTENSION ACTIVITY: .

9. RESEARCH PAPERS:

- Dr. Sundararaj presented a paper entitled, “Indian forest health an on-site analysis during 14th National Silviculture Conference on "Forest & Sustainability: securing a common future" during 03.12.2018 to 05.12.2018 organized by IWST (ICFRE) , Bangalore.
- The following papers/posters were presented during the 14th National Silviculture Conference on "Forest & Sustainability: securing a common future" during 03.12.2018 to 05.12.2018 organized by IWST (ICFRE) , Bangalore
  - Soumyashree, N., VinayakVenkateshPai, T.N. Manohara -- Population status and regeneration pattern of *Dalbergialatifolia*Roxb. in the forest areas of Kodagu district, Karnataka. Page No. 33.
  - R. Raja Rishi, V. Shwetha, T.P.Sunayana, Shalini P. Rao, R. Sundararaj, N. Mohan Karnat.-- Impact of insect pests on important mangrove species and possible management measures.
  - N. Ravi. -- Species improvement of *Aquilariamalaccensis* Lam for production of agar wood – PaporPhukanBorpuzari.
  - Sruthi Subhanna, N. Mohan Karnat, Syam Viswanath -- Above ground biomass and carbon content in Bamboos.
  - N. Ravi, Geeta Joshi, Mohan Karnat, Mahesh Naik, S. Chakraborti.-- Assessment of seed germination and seedling performance of *Aquilaria malaccensis* Lam (Agar) for better growth and yield.

- Surendra Singh Bisht, A.N. Arun Kumar, M.V. Durai -- Variability in oil yield and chemical profiling of Indian Sandalwood (*Santalum album*) trees in Marayoor Sandalwood Reserve.
- K. Rajendran, N. Ravi, C. Narayanan -- Growth, biomass and nutrient distribution of *Casuarina junghuhniana* Miq. inoculated with helper microbes in the farm forestry.
- M.V. Durai (2018). The effect of vermicompost on growth of bamboo and shisham seedlings under nursery condition.
- S.K. Sharma, S. Shashikala, and .R. Shukla -- Assessment of fibre characteristics of *Eucalyptus urograndis* clone grown at two locations for pulp and paper
- S. Shashikala, M. Krupa and M. Sujatha -- Occurrence of tension wood in two mangrove species and its effect on selected wood anatomical properties
- S.R. Shukla and Ms. S. Shashikala -- Assessment of fibre characteristics of *Eucalyptus urograndis* clone grown at two locations for pulp and paper
- S.R. Shukla, S.M. Balakrishna, M. Sujatha and S.K. Sharma -- Rapid assessment of certain important wood quality parameters of teakwood (*Tectona grandis* L.f.) by non-destructive near Infrared spectroscopy (NIRS)
- MahadevChikanna, Shakti Chauhan, PankajAggarwal -- High value products from natural fibers: opportunities and challenges
- SushantArade, Ajay Rane, SyamViswanath, Shakti Chauhan-- Non-destructive assessment of culm quality in *Dendrocalamusstocksii*germplasm bank for selection of superior genotypes
- Ritesh Kumar, R. Ezhumalai, R. Tailor and N. Chandrashekar-- Fuelwood quality and combustion characteristics of *Lantana camara* and *Eucalyptus* leave biomass briquettes
- C.N. Vani, D. Venmalar and V. Krishna Simple treatment method to increase the durability and value addition of bamboo –
- C.B. Manjunatha, D. Venmalar-- Leaching behavior of *Heveabrasiliensis* wood treated with nanozinc oxide wood preservative –
- D. Venmalar and G. Vijayalakshmi-- Resistance of *Meliacomposite* wood treated with eco-friendly wood preservatives towards termite and fungi in Karnataka conditions –
- Soma Mondal, M. Kantha Reddy, R. Sundararaj, R. Raja Rishi and Surendra Kumar-- Impact of heart rot disease on the health of important trees in Marayoor Sandalwood reserve
- P. Swetha, G. Vijayalakshmi and R. Lingappa -- Disease spectrum of *Tabernaemontanadivaricata* (L.) in Karnataka and its management
- M Kantha Reddy, Soma Mondal, R. Sundararaj, R. Raja Rishi and B. Linagappa -- Bio-deterioration in Indian sandalwood: A prime factor for loss wood –
- Shwetha, D. Vimala, R. Raja Rishi and B. Linagappa- Whitefly(Hemiptera:Aleyrodidae) pests infesting some important medicinal plants in Karnataka

10. VISIT OF DIGNITARIES:

11. CONSULTANCIES:

12. OTHER IMPORTANT ACTIVITIES:

- As part of awareness and education tour students from Gear International Public School, Bangalore visited the institute on 18<sup>th</sup> December 2018
- As part of training and education tour, Deputy Range Forest Officers from Kushalnagar Forest Range of Karnataka visited IWST on 19<sup>th</sup> December 2018.
- Hindi workshop for Technical and Administrative Staff was organized by Hindi Cell of the institute on 19.12.2018
- Wood testing enquiries (9 samples for identification and 1 sample for moisture content were received and test reports of 8 samples for identification and 2 samples for moisture content were sent to the concerned department/parties.