

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

IMPORTANT RESEARCH FINDINGS: Nil

NEW PROJECTS SANCTIONED DURING THE MONTH:

Name of the project	Amount Sanctioned	Sponsoring Authority
Studies on micro propagation, genetic fidelity and field evaluation of <i>Dendrocalamus longispathus</i> Kurz. (2019-2022) PI: Dr.P.V.Somashekar;	9.00 (Project cost) 3.23 (Amount released)	Karnataka Forest Department
Efficacious Management of Wood Borers in Protected Areas of Forest by Pheromone Loaded Organogel – [29852]”		DBT, Govt. Of India

1. PROJECTS CONCLUDED DURING THE MONTH:

ICFRE Funded Projects:

1. Nanocellulose Networked Natural Fiber Composites. PI: Dr. S.S. Chauhan; Duration: 2 years; (2017-2019)
2. Efficacy of Nano metal oxides as wood preservative. PI: Mrs. D. Venmalar Duration: 3 years (2016-2019)
3. Screening of High oleoresin yielding forest plants of Western Ghats and standardization of extraction methods; April 2016 to March 2019; IWST/CFP/XI/157

Externally Aided Projects:

1. Assessment of natural variability in selected wood traits using nondestructive tools and identification of superior genotypes of *Melia dubia*. Funding Agency: Karnataka Forest Department

2. Evaluation of germplasm of *Dendrocalamus stocksii* for growth, biomass production and quality parameters for selection of superior genotypes. Funding Agency: Karnataka Forest Department
3. Enhancing seed productivity of *Pongamiapinnata* L. plantations using silvicultural practices” (2015-2019) PI: Dr.B.N.Divakar, Scientist-E; Funding Agency: Karnataka Forest Department

2. PARTICIPATION INSEMINARS/WORKSHOPS (BOTH NATIONAL & INTERNATIONAL)

Anantha NS, S. Nair, Anish MC, Girihar BN, **KK Pandey** (2019) Luminescent Transparent Wood-Polymer Composite, Paper presented in National Conference on “ADVANCES IN CHEMICAL ENGINEERING AND SCIENCE -2019 (ACES-2019)” at Indian Institute of Science Education and Research (IISER), Bhopal (7-8 March 2019).

3. MEETINGS ATTENDED:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
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4. WORKSHOP:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
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5. TRAININGS ORGANIZED:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
1.	Micro Propagation of Bamboo species	5-8 March 2019	7	
2	Training on “Value-Addition - Bamboo Technologies, sponsored by Bamboo Technical Support Group (BTSG)-ICFRE	11 – 15 March, 2019 (5 days)	25	Artisans (Karnataka, Andhra Pradesh and Telengana)

3	Training on Good laboratory practices under NABL	26.03.2019 1 day		Scientists and Technical staff
4	Training cum demonstration on "Forestry and Wood Science" under VVK	27 March 2019 1 day	39	Farmers, NGOs and entrepreneurs
5	Training on Forest Utilization	26 – 28 March (3 days)	29	RFO Trainees Tamilnadu Forest Academy

TRAININGS ATTENDED:

Sl. No	Topic	Duration	No. of participants	Beneficiaries

6. DEMONSTRATIONS:

Sl. No	Topic	Duration	No. of participants	Beneficiaries
Nil				

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

Institute	Participated	Duration	Place
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8. OTHER EXTENSION ACTIVITY:

1. Mrs. D. Venmalar, Scientist-E delivered a lecture on 'Bamboo Preservation Techniques' to farmers (25 nos) in the National Bamboo Mission (NBM) Sponsored training at IFGTB on 8th March 2019.
2. Mr. Ritesh Kumar D. Ram, Scientist E conducted theory classes on Wood Energy aspects (Briquettes, charcoal making) etc for newly recruited Deputy Forest range officers cum surveyors (100Nos) for 2 days from 11th to 12th March 2019 at Forest Training Institute Ilawala Mysore.
3. Dr. M.Sujatha, Assistant Chief Technical Officer conducted Practical classes on Wood identification for newly recruited Deputy Forest range officers cum surveyors (100 Nos) for 2 days from 11th to 12th March 2019 at Forest Training Institute Ilawala Mysore

4. Mrs. C.N. Vani, Senior Technical Officer conducted theory classes on Wood Seasoning and Wood Preservation for newly recruited Deputy Forest range officers cum surveyors (100 Nos) for 2 days from 11th to 12th March 2019 at Forest Training Institute Ilawala Mysore.

9. RESEARCH PAPERS:

- A.L. Andraday, **K.K. Pandey**, A.M. Heikkilä (2019) Interactive effects of solar UV radiation and climate change on material damage, Photochemical & Photobiological Sciences, 18, 804-825.
- Divakara, B.N. Viswnath, S, Nikitha, C.U. and Kumar, S, (2019) Economics of *Santalum album* L. Cultivation Under Semiarid Tropics of Karnataka, India; *Forest Research: 7*: 223 (International Journal)
- Tanzeem Fatima, AshuthoshSrivastava, Vageeshbabu, P.V.Somashekar, (2019) Genetic Diversity Estimates of *Santalum album*L.through Microsatellite Markers: Implications on Conservation; *American Journal of Plant Sciences: 10*:462-485 (International Journal)
- Tanzeem Fatima, AshuthoshSrivastava, Somashekar, P.V, Variation in Morphological traits and heartwood content of *Santalum album* L. in Karnataka; *My Forest- Vol.54* (Issue 4), 38-48
- R.Raja Rishi, R.Sundararaj, V.Shwetha, T.P.Sunayana, Shalini P.Rao and Mohan Karnat(2019) Record of *Dysmicoccus brevipes*Cockerell (Hemiptera: Pseudococcidae) as pest in mangroves of Maharashtra and its management. (NAAS. 5.53), *J. of Entomology and Zoology studies*, 7(2): 176-179.
- Revathi, T. G., William, J. and Sundararaj, R. (2019). Description of a new species of genus *Fippataleyrodes*Sundararaj& David, 1992 (Hemiptera: Aleyrodidae) from Karnataka, India with key to known species. *Biological Forum – An International Journal*, 11(1): 183-186.
- Surendra Singh Bisht, MamataRavindra and Divyashree N Gayathri, Variability in yield and composition of oil from Indian Sandalwood (*Santalum album* L.) trees grown in homogeneous conditions , *Tropical Plant Research*, 2019 6(1): 31-36.
- Surendra Singh Bisht, Rakesh Kumar and MamataRavindera, Adulteration in Indian Sandalwood Oil (*Santalum Album* L.) and Detection, *Everyman's Science*, Vol. LIII No. 5, December 2018-January 2019,293-295.

10. VISIT OF DIGNITARIES:

11. CONSULTANCIES:

- Under the consultancy project entitled “Monitoring of National Thermal Power Corporation (NTPC) accelerated afforestation programme of plantation of 10 million trees” - in Karnataka State, Annual report for the period 2018 -2019 was compiled

by Mr. Raja Rishi based on the surveys conducted during May and October 2018 to study the survival percentage and submitted to ICFRE.

12. OTHER IMPORTANT ACTIVITIES:

- As part of education tour 23 RFO Trainees from Telangana Forest Academy visited the institute on 12th March 2019
- As part of awareness and education tour 100 (B.Com) students from Bapu Degree College, Bangalore visited the institute on 20th March 2019
- **The institute observed International Day of Forest on 21st March 2019 and on this occasion a guest lecture was arranged by Dr. Mohan Vargheese, Senior Principal Scientist, ITC Life Science and Technology Centre, Bangalore on “Can we Balance Sustainability-Productivity Function in Forestry??”**
- As part of education tour 29 RFO Trainees from Tamilnadu Forest Academy visited the institute from 25th -27th March 2019 and were also imparted training on Forest Utilization aspects.
- As part of education tour 35 ACF Trainees from CASFOS, Coimbatore visited the institute on 26th March 2019
- Wood testing enquiries (8 samples for identification, 2 samples for moisture content, 4 samples for specific gravity and 7 samples for mechanical tests were received and test reports of 6 samples for identification, 4 samples for moisture content, 4 samples for density and 2 samples for mechanical tests were sent to the concerned department/parties.)