



काष्ठ विज्ञान एवं प्रौद्योगिकी संस्थान
INSTITUTE OF WOOD SCIENCE AND TECHNOLOGY
(भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद्)
(Indian Council of Forestry Research and Education)



(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार की एक स्वायत्त निकाय)
(An Autonomous Body of Ministry of Environment, Forest and Climate Change, Govt. of India)

पी.ओ. मल्लेश्वरम/P.O. Malleswaram, बेंगलुरु/Bengaluru – 560 003

WALK-IN-INTERVIEW

A walk-in-interview will be held at Institute of Wood Science & Technology, P.O. Malleswaram, Bengaluru on 3rd January 2020 at 10.30 A.M. for the positions of Junior Research Fellows, Junior Project Fellows, Project Assistants and Field Assistants in the following research projects purely on temporary basis and co-terminus with the project period. Interested and eligible candidates are requested to attend the walk-in-interview.

Sl. No	Details of the Project	No. of posts	Essential and Desirable Qualification	Duration of the project	Emoluments
JUNIOR RESEARCH FELLOW/ JUNIOR PROJECT FELLOW					
1	Development of Integrated Pest and Disease Management Practices for the cultivating Medicinal plants in Karnataka . (NMPB)	1 no. (Entomology)	Essential: 1 st Class M.Sc. in Zoology/ Life Science with Entomology as one of the subjects with NET or M.Sc. in Agricultural Entomology	Upto May 2020	Candidates with NET qualification : Rs.25,000/- + HRA as admissible
2	Studies on propagation of a valuable timber species, <i>Diospyros ebenum</i> J. Koenig ex Retz. Through seeds and <i>in vitro</i> techniques (ICFRE)	1 no.	Essential: 1 st Class M.Sc./ B.Tech in Biotechnology/ Botany/Life Sciences Desirable: Work experience in plant tissue culture	Upto March 2021	Rs.16,000/- per month + HRA as admissible
3	Development of procedure for forensic identification of illegally cut mangrove trees using molecular marker techniques (Mangrove and Marine Biodiversity Conservation Foundation)	1 no.	Essential: 1 st Class M.Sc./ B.Tech in Biotechnology/ Genetics/ Life Sciences Desirable: Work experience in molecular marker techniques	Upto March 2021	Rs.16,000/- per month + HRA as admissible
4	Value addition of low density woods by producing nano-wood-composites (NWC) with enhanced properties for high end applications (ICFRE)	1 no.	Essential: Postgraduate degree in Wood Science and Technology/ Chemical Engineering/ Polymer Science/ Chemistry/ Physics NOTE: The student will be allowed to register for the Ph.D. degree	Upto 31 st March 2020 (likely to be extended by 1 year till March 2021}}	Rs.16,000/- per month + HRA as admissible
5	Taxonomy, Silviculture and management practices of selected rattans of Karnataka (KFD)	1 no.	Essential: M.Sc. (Forestry/ Botany)	3 Years	Rs.16,000/- per month + HRA as admissible
6	<i>Dalbergia latifolia</i> (AICRP-ICFRE- <i>Dalbergia latifolia</i>)	2 nos.	Essential: M.Sc. (Agriculture/Forestry/ Botany)	5 years	Rs.16,000/- per month + HRA as

					admissible
7	Development of superior bio-fertilizer for enhanced plant productivity (AICRP -Biofertilizer)	1 no.	Essential: M.Sc. (Agriculture/ Forestry/Botany) Desirable: First class in Plant Pathology/ Agricultural Microbiology	5 years	Candidates with NET qualification : Rs.31,000/- + HRA as admissible Candidates without NET qualification : Rs.16,000/- per month + HRA
8	Value addition of wood and wood based composites using nanomaterials (AICRP -ICFRE- Nanomaterial)	3 nos.	Post Graduate in Wood Science and Technology / Chemistry	4 years	Candidates with NET qualification : Rs.31,000/- + HRA as admissible/ Candidates without NET qualification : Rs.16,000/- per month + HRA
9	Conservation, Improvement, Management and Promotion of Sandalwood (Santalum album Linn.) cultivation in India" Component 3.2: Study on the stable isotope composition in Santalum album wood grown in different locations Component 3.3: Yield, chemical profiling and estimation of alpha and beta santalol in Sandalwood oil (AICRP - ICFRE- Sandalwood)	1 no.	Master degree in chemistry or biochemistry	5 years	Rs.16,000/- per month + HRA as admissible
10	Conservation and Productivity Improvement of Red sanders (Pterocarpus santalinus L.f.)" Component: "Chemical analysis and stable isotope (13C/12C) composition study in Red sanders" (AICRP - ICFRE- Red Sanders)	1 no.	Master degree in chemistry or biochemistry or Wood Science	5 years	Rs.16,000/- per month + HRA as admissible
11	Development of dielectric heating based processing technologies for solid wood, bamboo and their composites (AICRP - ICFRE-Wood Processing)	1 no.	First Class M.Sc. (Wood Science and Technology/ Physics)	4 years	Candidates with NET qualification : Rs.31,000/- + HRA as admissible/ Candidates without NET qualification:

					Rs.16,000/- per month + HRA as admissible
12	1(c) In-Vitro propagation for mass multiplication and conservation of elite genotypes (AICRP-ICFRE-Bamboo)	2 nos.	Essential: First class M.Sc./ B.Tech. in Biotechnology/ Life Sciences Desirable: Work experience in plant tissue culture	5 years	Rs.16,000/- per month + HRA as admissible
13	Assessing the status of Sandal Spike Disease (SSD) in natural population of Sandalwood and screening the seeds for its transmission (AICRP – ICFRE – Sandal)	1 no.	First class in M.Sc. in Zoology/ Any branch of life science with subjects with NET or M.Sc. in Agricultural Entomology/ Forestry	5 years	Candidates with NET qualification : Rs.31,000/-+ HRA as admissible/ Candidates without NET qualification: Rs.16,000/- per month + HRA as admissible
14	1 (a) Selection, evaluation and deployment of CPCs/ clones, establishment of rhizome banks and production of improved planting stock (AICRP – ICFRE- Bamboo)	1 no.	First class in M.Sc. (Forestry/ Agriculture/ Horticulture) Or First class in M.Sc. (Botany) with specialization in genetics/ plant propagation	5 years	Rs.16,000/- per month + HRA as admissible
15	3(a) Management of Marihal bamboo (D.Stocksii) and D. strictus in agroforestry and block plantations (AICRP – ICFRE- Bamboo)	1 no.	First class in M.Sc. (Forestry/ Agriculture/Horticulture) Or First class in M.Sc.(Botany) with specialiaition in ecology/ plant propagation/ Forestry	5 years	Rs.16,000/- per month + HRA as admissible
16	3(b) Identifying potential domestication areas of B. balcooa, D. Brandisii and D. stocksii across different agro climatic zones in India (NBSSLUP) (AICRP – ICFRE- Bamboo)	1 no.	First class in M.Sc. (Forestry/ Agriculture/Horticulture) specialization in Agro Forestry Or First class in M.Sc.(Botany) with specialiaition in ecology/ plant propagation/ Forestry	5 years	Rs.16,000/- per month + HRA as admissible
17	5 (c) Population genetic analysis of important bamboo species (d. Stocksii, D.brandisii) (AICRP – ICFRE – Bamboo)	1 no.	First class in M.Sc. (Forestry/ Agriculture/ Horticulture/ Biotech) specialization in Genetics/ Plant breeding/ Tree improvement	5 years	Rs.16,000/- per month + HRA as admissible
18	6(a) Developing short to medium term seed storage protocols for ex situ conservation of some commercially important bamboo species (AICRP – ICFRE – Bamboo)	2 nos.	First class in M.Sc. (Forestry/ Agriculture/ Horticulture) specialization in Seed Technology Or First class in M.Sc. (Botany) with specialization in seed technology	5 years	Rs.16,000/- per month + HRA as admissible
19	Effect of management practices of growth and heartwood content and quality of sandalwood (AICRP – ICFRE – Sandal)	1 no.	First class in M.Sc. (Forestry/ Agriculture/ Horticulture) specialization in mensuration/ Agroforestry or First class in M.Sc. (Botany) with specialization in mensuration/ Agroforestry	5 years	Rs.16,000/- per month + HRA as admissible
20	Fodder Species prioritation (AICRP – ICFRE – Fodder)	1 no.	First class in M.Sc. (Forestry/ Agriculture/ Horticulture) specialization in fodder/ forage production/ grass land	5 years	Rs.16,000/- per month + HRA as admissible

			management/ BVS + 2 years experience Or First class in M.Sc. (Botany/ Biochemistry) with specialization in fodder/ forage/ grassland management		
21	Preparation of Forest soil health card and strengthening of soil lab (AICRP – ICFRE – Soil Health Card)	1 no.	First class in M.Sc. (Forestry/ Agriculture/ Horticulture) specialization in Soil Science and Chemistry or First class in M.Sc. (Chemistry/Organic Chemistry)	5 years	Rs.16,000/- per month + HRA as admissible
22	(C-3) Identification of phenotypically superior Pterocarpus santalinus and establishment of progeny trials (AICRP- ICFRE- Red Sander)	1 no.	M.Sc. in Forestry/ Botany	Five years	Rs.16,000/- per month + HRA as admissible
23	Production of quality planting material of sandalwood through tissue culture and evaluation of field performance (AICRP-ICFRE-Sandalwood)	1 no.	Essential: First class M.Sc./ B. Tech in Biotechnology/ Botany/ Life Sciences Desirable: Work experience in plant tissue culture	Upto November 2024	Rs.16,000/- per month + HRA as admissible
24	Component-1: Conservation, improvement, management and promotion of sandalwood (Santalum album) cultivation in India Sub component: Assessment of Oil from Sandalwood plantations of Karnataka by non-destructive method (AICRP- ICFRE-Sandalwood)	1 no.	First Class Post Graduate Degree in any branch of Forestry/ Life Science	Five years	Rs.16,000/- per month + HRA as admissible
25	Neem Genetic improvement of Azadirachta indica A. Juss. Component: Azadirachtin and Oil estimation (AICRP- ICFRE-Neem)	1 no.	First Class Master Degree in Chemistry or Biochemistry	5 years	Rs.16,000/- per month + HRA as admissible
26	Activity 2 : Component A: Documentation of FGR (AICRP-ICFRE-FGR)	1 no.	Essential: M.Sc. (Geoinformatics/ GIS remote sensing or geography/ Life Science) Desirable: Software Specialist	2 yrs. (Upto Nov 2021)	Rs.16,000/- per month + HRA as admissible
27	Activity 2 : Component B: FGR collection (AICRP-ICFRE-FGR)	1 no.	Essential: M.Sc./ B.Tech in Botany/ Biotechnology/Genetics/ Life Science	3 yrs. (Upto Nov 2022)	Rs.16,000/- per month + HRA as admissible
28	Selection and evaluation of Azadirachta indica for Genetic improvement (AICRP – ICFRE- Neem)	1 no.	M.Sc. in Forestry/ Botany	Five years	Rs.16,000/- per month + HRA as admissible
29	National Program for Conservation and Development of FGR (Project Component –E: FGR Conservation (Field genebank) (AICRP-ICFRE-FGR)	1 No.	Essential: M.Sc. (Agriculture/ Forestry/Botany)	3 years	Rs.16,000/- per month + HRA as admissible
30	Testing and deployment of clones and seed sources of Casuarina for different planting	1 No.	Essential: M.Sc. (Agriculture/ Forestry/Botany)	Up to Dec 2024	Rs.16,000/- per month + HRA as admissible

	environments and end-use applications (AICRP-ICFRE-Casuarina)				
31	Conservation, Improvement, Management and Promotion of Sandalwood (<i>Santalum album</i> Linn.) cultivation in India Establishment and evaluation of base population in sandalwood for breeding and conservation programs (AICRP- ICFRE-Sandal)	1 no.	Essential: M.Sc. (Agriculture/ Forestry/Botany)	Up to Dec.20 24	Rs.16,000/- per month + HRA as admissible
32	Conservation, Improvement, Management and Promotion of Sandalwood (<i>Santalum album</i> Linn.) cultivation in India Development of sandalwood based agroforestry system and its promotion in selected agroclimatic zones of India (AICRP- ICFRE-Sandal)	1 no.	Essential: M.Sc. (Agriculture/ Forestry/Botany)	Up to Dec.20 24	Rs.16,000/- per month + HRA as admissible
33	Developing seed testing and seed storage protocols of selected forestry species from diverse forest types Project Component –4: Correlating seed storage category with ecological parameters (AICRP-ICFRE-Seed)	2 nos.	Essential: M.Sc. (Agriculture/ Forestry/Botany) *Note:One JPF will be placed at Forestry college Ponnempt at the supervision of the Co-PI	Up to Dec.20 24	Rs.16,000/- per month + HRA as admissible
34	Study of climate driven effects on Indian Forests Through Long Term Monitoring (AICRP:Study of climate)	5 nos.	Essential: M.Sc. (Agriculture/Forestry/ Botany) With NET/GATE/Other National Eligibility test	5 years	Rs.31,000/- + HRA as admissible

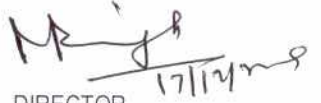
PROJECT ASSISTANT

1	Efficacious Management of Wood Borers in Protected Areas of Forest by Pheromone Loaded Organogel (DBT)	1 no.	Master Degree in Zoology / Any branch of Life Science	Upto 11 th March 2022	Rs. 15,500/- consolidated
2	Evaluation of Heartwood Formation in <i>Santalum album</i> L. Using Non-destructive method (AICRP – ICFRE- Sandal)	1 no.	Graduation in Science	Three years	Rs.15,500/- consolidated
3	(C-8) - Evaluation of heartwood formation in <i>Pterocarpus santalinus</i> using Electric Resistance Tomography (AICRP – ICFRE- Red Sanders)	1 no.	Graduation in Science	Three years	Rs.15,500/- consolidated
4	1 (a) Selection, evaluation and deployment of CPCs/ clones, establishment of rhizome banks and production of improved planting stock (AICRP – ICFRE- Bamboo)	1 no.	Degree in Life Science	Five years	Rs.15,500/- consolidated
5	1 (b) Macro propagation and	2 nos.	Degree in Life Science	Five	Rs.15,500/-

	mass multiplication of elite/ promising germ plasm. (AICRP – ICFRE- Bamboo)			years	consolidated
6	2(a) Improved silvicultural practices for increased productivity stand/ clump management and harvesting. Establishment of model plantation for demonstration scientific cultivation, harvesting and post harvest management practices of bamboo (AICRP – ICFRE – Bamboo)	2 nos.	Degree in Life Sciences	Five years	Rs.15,500/- consolidated
7	3(b) Identifying potential domestication areas of B. balcooa, D. Brandisii and D. stocksii across different agro climatic zones in India (NBSSLUP) AICRP – ICFRE- Bamboo)	2 nos.	Degree in Life Sciences	Five years	Rs.15,500/- consolidated
8	5(C) Population genetic analysis of important bamboo species (d. Stocksii, D.brandsii) (AICRP – ICFRE – Bamboo)	1 no.	Degree in Life Sciences	Five years	Rs.15,500/- consolidated
9	8(a) Extension, Technology transfer and Capacity building (AICRP – ICFRE – Bamboo)	2 nos.	Degree in Life Sciences	Five years	Rs.15,500/- consolidated
10	Fodder Species prioritation (AICRP – ICFRE – Fodder)	1 no.	Degree in Life Sciences	Five years	Rs.15,500/- consolidated
11	Effect of Silvicultural interventions on wood quality of selected fast growing tree species (AICRP – ICFRE – Silviculture)	2 nos.	Degree in Life Sciences	Five years	Rs.15,500/- consolidated
12	Preparation of Forest soil health card and strengthening of soil lab (AICRP – ICFRE – Soil Health Card)	1 no.	Degree in Life Sciences	Five years	Rs.15,500/- consolidated
13	Development of management practices against the red stem borer <i>Zeuzera coffeae</i> Nietner (Lepidoptera: Cossidae) infesting Indian Sandalwood (<i>Santalum album L.</i>) plantations in South India (AICRP – ICFRE- Sandalwood)	1 no.	Master Degree in Zoology / Any branch of Life Science	Upto March 2023	Rs.15,500/- consolidated
14	Study of climate driven effects on Indian Forests Through Long Term Monitoring (AICRP-ICFRE)	1 No.	Essential; B.Sc.(Botany/ Chemistry/Zoology as one of the subjects)	5 Years	Rs.15500/- consolidated
FIELD ASSISTANT					
1	Activity 2 : Component B: FGR collection (AICRP-ICFRE-FGR)	1 no.	Essential: 2 nd PUC in Science	5 yrs. (Upto Nov 2024)	Rs.13,500/- consolidated

Terms and conditions:

1. The upper age limit for JRFs/JPFs is 28 years as on the date of interview i.e. on 03/01/2020 (Relaxable by 5 years for SC/ST/Women/Physically Handicapped and OBC candidates).
2. Candidates should submit their bio-data in person, while attending the interview, from 9.30 AM to 10.30 AM. The registration process will be closed by the above specified time on the date of walk-in-interview.
3. The position is purely temporary and co-terminus with the project.
4. If at any time, in the opinion of the Director of the Institute you are found neglectful or unable to carry out research or guilty of conduct unbecoming of fellowship holder, the Director shall have the power to terminate your fellowship at any time without notice.
5. The position can also be terminated at any time by the Director without assigning any reason or earlier depending on the performance of the candidates.
6. Recruitment for the above temporary positions is governed by rules of the Indian Council of Forestry Research and Education and does not guarantee subsequent employment in any Institutes under the Council.
7. Candidates should bring original testimonials on date of birth, educational qualification and community certificate for verification. Attested copies of the same are to be attached with bio-data form while appearing for the interview. Candidates without Provisional Certificate/Degree Certificate awarded by the Universities will not be permitted to attend the interview.
8. Canvassing in any form will disqualify the candidate.


17/1/20
DIRECTOR
IWSST, Bengaluru