

## Dr. KRISHNAMOORTHIS

Ph.D. Forestry

Scientist - B, Host Plant Division, Central Muga Eri Research & Training Institute (CMERTI) Lahdoigarh, Jorhat, Assam - 785700

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### EDUCATION

- **Ph.D. Forestry (2020–2023) | OGPA: 8.88**
  - Forest College and Research Institute, Tamil Nadu Agricultural University
  - *Thesis:* Studies on suitability of bamboos for biochar, activated carbon, briquettes and fodder pellets.
- **M.Sc. Forestry (2018–2020) | OGPA: 8.24**
  - Forest College and Research Institute, Tamil Nadu Agricultural University
  - *Thesis:* Studies on seasonal transfiguration of wetland birds and impact of agrochemicals in Vellode Bird Sanctuary, Erode Dist., Tamil Nadu.
- **B.Sc. Forestry (2014–2018) | OGPA: 7.70**
  - Forest College and Research Institute, Tamil Nadu Agricultural University

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### RESEARCH PUBLICATIONS

- **Physico-thermochemical characterization of biomass briquettes** made from different parts of Bengal bamboo (*Bambusa tulda* Roxb.). *Biomass Conversion and Biorefinery*, Springer.
- **Production and characterization of sustainable biomass briquettes** from selected bamboo species. *Journal of Biobased Materials and Bioenergy*.
- **Preparation and characterization of activated carbon** from commercially important bamboo species in North Eastern India. *Advances in Bamboo Science*, Elsevier.
- **Nutritional evaluation of bamboo leaf-based pellets** for livestock in Northeastern India. *Advances in Bamboo Science* Elsevier.
- **Understanding the physical properties of multipurpose trees:** A comprehensive analysis. *International Journal of Zoology and Applied Biosciences*.
- **Review on wood properties of indigenous tree species** for pulp and paper production. *Wood and Fiber Science*.
- **Diversity of Avian Fauna** in Karavetti Bird Sanctuary, Ariyalur District, Tamil Nadu. *Annual Research & Review in Biology*.
- **Diversity and Abundance of Wetland Birds** in Udayamarthandapuram Bird Sanctuary. *Asian Journal of Environment & Ecology*.
- **Study on seasonal variations of wetland birds** in Vellode bird sanctuary. *Journal of Entomology and Zoology Studies*.
- **Exploring the nutritional potential of wild grass fodder** for mega herbivore (*Elephas maximus*). *Animals*.
- **Mangroves as natural shields:** A review of their role in mitigating natural disasters. *Asian J Environ Ecol*.

- **Assessment of Yield Performance of Cluster Bean** cultivars in *Melia dubia*-based Agroforestry Systems. *Legume Research*.
- **Seasonal Variability of Pesticide Residues** in Vellode Bird Sanctuary. *Annual Research & Review in Biology*.
- **Evaluation of drought tolerance** in various clones of *Ceiba pentandra*. *International Journal of Zoology and Applied Biosciences*.
- **Soil microbial dynamics** and their association with physico-chemical parameters in silvopastoral systems. *International Journal of Zoology and Applied Biosciences*.
- **Phytochemical and antimicrobial potential** of leaf and bark extracts of *Pterocarpus dalbergioides* Roxb. *Plant Science Today*.
- **Evolution of biophilic design in modern architecture: A review**. *Asian Journal of Environment & Ecology*.

## HONORS & AWARDS

- **Best Oral Presentation Award (2024):** Awarded for the presentation titled "Nutritional and Anti-Nutritional Characterization of Leaves from Seven Bamboo Species in Tripura" at the 6<sup>th</sup> International Conference (HITASA-2024).
- **Young Professional Award (2024):** Conferred by the Society (ISAHRD) for outstanding contributions in the field of Forestry on the occasion of the 6<sup>th</sup> International Conference (HITASA-2024) at SR University, Warangal.