



DR. S. SHREEMATHI GIRI

M.Sc. (Physics) | Ph.D. | B.Ed.

Professor & HOD Science | R&D Head | Vice President IIC

Experience: 26 Years

Faculty Profile

Dr. S. Shreemathi Giri is a President awardee and M.Sc. Physics Rank Holder from Madras University (1995), with a Ph.D. in Physics from Madras University (2000). She is a mentor to M.Phil. and Ph.D. scholars from Bharathidasan and Madras University, and serves as the **ISRO Nodal Coordinator for the START Program with IIRS, Dehradun**.

She has collaborated with CSIR, CSTRI, Central Coir Research Institute, and worked on R&D projects on electric bikes with TVS Motor Company. Her research spans Spectroscopy, Nanotechnology, and Environmental Sustainability, with 29 papers since 1997.

Awards

1. "Teacher Par Excellence" Award – IIHM, Bangalore, 2022 & 2025.
2. Best Teacher Award (2025) – Bharatiya Shikshana Mandal.
3. Recognized by ITC "WOW" for exceptional contribution to sustainability.
4. Awarded by Regional Coir Board; guided students to top 6 in FKCCI State-level Business Plan Competition.

Publications & Patents

1. Shreemathi Giri et al. (2025). Enhancing Mechanical and Chemical Properties of Coal and Biocoal Fly Ash. *Circular Economy and Sustainable Management*. Taylor & Francis. doi: 10.1201/9781003498124.
 2. Five chapters in *Environmental Governance in India*. Academia Press. ISBN: 978-81-19680-07-8. 2023.
 3. (2023). Formulation and Characterisation of Organic Pesticide/Fertilizer using ¹HNMR Spectroscopy (Best Paper). 8th Global Summit on Medicinal and Aromatic Plants, Bangkok.
- Patents: Smart Crop Protection Device; Automated Crop Protection Device; Interactive Skills Learning Device; Smart Student Attention Tracker; Biodegradable Cups with Bands.

Contact & Academic Profiles

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