

CURRICULUM VITAE

Name : Padma M J
Present Position : Assistant Professor in Physics
Organisation : Department of Physics, Yadava College,
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Father's Name : Jayaraman
Gender : Female
Religion & Nationality : Hindu – Indian
Linguistic Ability : Tamil & English
Qualification : B.Sc (**Physics**), M.Sc. (**Physics**), B.Ed., PGDCA,
CSIR-NET- (**Physics**) Ph.D. (Pursuing)



EDUCATION

- ❖ **CSIR – NET (Physics)** qualified on June 2024
- ❖ Pursuing a **Ph.D** as a Full-time Research Scholar at the Department of Physics. The Gandhigram Rural Institute is deemed to be a university in Gandhigram. February 2024-Till Date.
- ❖ Master of Science (**M.Sc., Physics**) (2012-2014) from The Idhaya College for Women, Bharathidasan University, Tiruchirappalli.
- ❖ Bachelor of Education (**B.Ed.,**) (2011-2012) Tamil Nadu Teachers Education University
- ❖ Bachelor of Science (**B.Sc., Physics**) (2011) from Lady Doak College, Madurai Kamaraj University.

TEACHING EXPERIENCE

- ❖ **PGT Physics** – Karthik Vidyalaya Matric Hr.Sec.School, Kumbakonam December 2015-2017 December.

PUBLICATION

Journal

- J, K., **MJ, P.**, R, J., R, S., & Mohan, C. R. (2025). On the Electrical Properties of Chitosan Doped with Different Lanthanide Oxides: Influence of Ion Size and Surface Roughness. *Cureus Journal of Engineering*. <https://doi.org/10.7759/s44388-024-00475-w>

SEMINARS, CONFERENCES & WORKSHOPS

Conferences (Paper presented)

- Presented Paper entitled “On the electrical properties of chitosan doped with different lanthanide oxides: Influence of ion size and surface roughness” at the International conference on Emerging Multifunctional Materials and Devices for Sustainable Technologies (IEMDST 2024) organised by the Department of Physics, National Institute of Technology Warangal during July 4th- 5th 2024.

- Presented Paper entitled “Green synthesis of chitosan-based curcumin nanoparticles from raw turmeric Rhizome and its characterisation” at the International Conference on Advances in Smart Materials (ICASMs-2024) organised by the Department of Physics, Saraswathi Narayanan College, Madurai on 9th August 2024.
- Presented Paper entitled “Chitosan-Cds nanocomposites for LDR Applications” at the Third International Conference on Advanced Nanomaterials for Energy, Environment and Healthcare Applications (ANEH 2024) held on 21-23 August 2024. The event is jointly organized by Heriot-Watt University, UK, G.T.N. Arts College (Autonomous), Tamil Nadu, and ANEH Scientific Foundation, India.
- Presented Paper entitled “ Chitosan Nanoparticles as Carriers for Curcumin: Preparation and Characterization Methods” at International Conference on Interdisciplinary Perspectives of Nanomaterials (ICIPN-24), 18 December 2024, PG and Research Centre of Physics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam-625601, Tamil Nadu
- Presented Paper entitled “ Development and Multi-Technique Characterization of a Piezoelectric Bio-Nanocomposite Based on ZnO-Doped Chitosan/PVDF Matrix” at International Conference on Advances in Chitin and Chitosan & 11th Indian Chitin Chitosan Symposium-(ICACCR-2025) January 31 - February 2, 2025, Department of Plant Sciences, University of Hyderabad.
- Presented Paper entitled “ Influence Of Rare Earth on The Acoustic Properties of Chitosan Acetate”International Conference on Science, Technology and Applications Of Rare Earths – ICSTAR-2025 at 21-23 APRIL, 2025, Organised by Department of Physics, Sri Venkateswara University, Tirupathi & Department of Biotechnology, Sri Padmavathi Mahila visvavidhyalayam, Tirupathi.
- Presented Paper entitled”Sol-Gel Derived Sn-Modified Catio₃ Perovskite: Structural And Physiochemical Characteristics” at National Conference on Recent Trends in Sustainable Energy Materials (NCRTSEM-2K26) 24th February 2026, , Organised by PG & Research Department of Chemistry, Mannar Thirumalai Naicker College, Madurai.

Workshops

- Participate in the Mendeley Reference Management workshop organized by the Department of Applied Chemistry, Amity University Gwalior on 19th October 2024.
- Participated in the International Workshop organised by the Departments of Physics and Chemistry, School of Advanced Sciences, VIT-AP University, Amaravati, Andhra Pradesh, India, held during December 16 – 20, 2025

Date :

Place : Madurai.

SIGNATURE