

STAFF PROFILE



Name :Dr. S.SELVI
Position :GUEST LECTURER
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Office Location :NAMAKKAL

Education

- Degree :Ph.D.,
 - University :PERIYAR UNIVERSITY
 - Year of Graduation:2022
- Degree :M.Phil
 - University :BHARATHIDHASAN UNIVERSITY
 - Year of Graduation:2015
- Degree :M.Sc.,
 - University :PERIYAR UNIVERSITY
 - Year of Graduation:2007
- Degree :B.Ed
 - University PERIYAR UNIVERSITY
 - Year of Graduation:2007

Professional Experience

GUEST LECTURER (DEPARTMENT OF PHYSICS), N.K.R.GOV.T. ARTS COLLEGE FOR WOMEN, NAMAKKAL. DURATION :(11.1.2013 TO TILL DATE)

Research Interests

NANO TECHNOLOGY

Publications

1. S. Selvi, Ranjith Rajendran, D. Barathi, N. Jayamani, Facile Synthesis of CeO₂/CoWO₄ Hybrid Nanocomposites for High Photocatalytic Performance and Investigation of Antimicrobial Activity, Journal of Electronic Materials, 50 (2021) 2890–2902.
2. S. Selvi, Ranjith Rajendran, N. Jayamani, Hydrothermal fabrication and characterization of novel CeO₂/PbWO₄ nanocomposite for enhanced visible-light photocatalytic performance, Applied Water Science, 11 (2021) 1-14.
3. S. Selvi, N. Jayamani, D. Barathi, Stannic oxide nanoparticles: sono-synthesis using seed extract of Ziziphus zizyphus and its photocatalytic activity, Journal of Materials Science: Materials in Electronics (2021) 1-11.
4. S. Selvi, Ranjith Rajendran, N. Jayamani, Ziziphus mauritiana aided preparation of CeO₂/SnO₂ nanocomposites and optimization of methylene green degradation using BBD-RSM design (Communicated).
5. S. Selvi, Ranjith Rajendran, N. Jayamani, Ziziphus mauritiana assisted preparation of CeO₂/CuO nanocomposites and its photocatalytic degradation of methylene blue (Communicated).

conference papers.

1. S. Selvi, N. Jayamani, “Synthesis using stannic oxide nanoparticles: sono-seed extract of ziziphus zizyphus and its photocatalytic behavior’ in the International conference on “Functional Materials for Bio-Energy, Green Technology and Environmental Sustainability”(FMGES-2019), Trinity College for women, Namakkal-637002 during August 2019,(AB-23), pg-38

2. S. Selvi, N. Jayamani, “Investigation on SnO₂ /TiO₂ nanocomposites and their enhanced photocatalytic properties for the degradation of methylene blue under solar light irradiation” presented in the National Conference on “Advanced Materials And Research Innovations- 2020 (AMRI’20) , Government Arts College (Autonomous), Salem-636007 during Feb-2020,pg-54

3. S. Selvi, N. Jayamani, “Synthesis and characterization of Zn doped SnO₂ nanoparticles” presented in the National Conference on Recent Advances in Physics NCRAP - 2017 Namakkal Kavignar Ramalingam Government Arts College for Women Namakkal-637001 during September 2017 (pg-49)

Awards and Honors

List of awards and honors received.

Courses Taught

B.Sc., PHYSICS

M.Sc., PHYSICS

Professional Memberships

List of professional organizations the staff member is a part of.

Projects and Grants

List of significant projects and grants received, including project titles and funding sources.

Contact Information

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