

Staff Profile



Name : VASUGHI R

Position : GUEST LECTURER

Department : PHYSICS

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Office Location : NAMAKKAL

Education

- Degree : Ph.D.,
- University : PERIYAR UNIVERSITY
- Year of Graduation : DOING
- Degree : M.Phil
- University : PERIYAR UNIVERSITY
- Year of Graduation : 2007
- Degree : M.Sc.,
- University : PERIYAR UNIVERSITY
- Year of Graduation : 2005
- Degree : B.Ed
- University : PERIYAR UNIVERSITY
- Year of Graduation : 2006

Professional Experience

GUEST LECTURER (DEPARTMENT OF PHYSICS), N.K.R.GOV'T. ARTS COLLEGE FOR WOMEN, NAMAKKAL. DURATION :(01.12.2006 TO TILL DATE)

Research Interests

MATERIAL SCIENCE (CRYSTAL GROWTH)

Publications

1. **R. Vasughi**, L. Jothi, Nidhi Asthana, “Synthesis, Crystal Structure and Characterization of Organic Nonlinear Optical Material Bzophenone for Spectroscopic and Optoelectronics Applications”, **Journal of Molecular and Engineering Materials**, (2024) 1 -13.
DOI: 10.1142/S2251237324400100
2. R. Vasughi , M. Kayalvizhi , L. Jothi , Nidhi Asthana, M.M. Abdullah , Hasan B. Albargi, “ **Synthesis and controllable growth of 2 – methylquinolinium L- malate single crystal for optical and spectroscopic applications**”, **Journal of Molecular Liquids**, (2024) 1 -13.
<https://doi.org/10.1016/j.molliq.2024.124950>
3. **R. Vasughi**, L. Jothi, “Growth and Characterization of Barium Chloride doped with Semi Organic Compounds for Biosensor Applications”, **Journal of XI’AN University of Architecture and Technology**, (2023)367 – 373.
DOI : 20.19001/JXAT
4. **R. Vasughi**, L. Jothi, “ Synthesis, Growth and Material Characterization of benzophenone doped L- Threonine Single Crystal for frequency conversion applications”, **Journal of Composition Theory**, (2024) 09 – 25.
DOI : 19.18001. AJCT

CONFERENCE PAPERS

1. Presented a paper entitled “Single crystal growth and characterization of 4-chlorobenzophenone doped Perchloric Acetate Crystals”. One day national level seminar on Green Chemistry In Organic Synthesis (GCOS – 2016) held in the Department of Chemistry at Namakkal Kavignar Ramalingam Government Arts College for Women, Namakkal on 28th September 2016.

2. Presented a paper entitled “Crystallization and Characterization of nonlinear optical material ; L- Serine sodium fluoride”. at the International conference on modern materials research 2016 (ICMMR 2016), Organised by PG and Research Department of Physics Sri Vidya mandir Arts and Science College, Uthangarai, Krishnagiri, Tamil Nadu, India from December 19th to 28th, 2016.
3. Presented a paper entitled “ Growth and Characterization of Organic linear optical material M – Nitro aniline” at the national conference on Recent Advances in Physics(NCRAP – 2017) held in the Post Graduate Department of Physics, Namakkal Kavignar Ramalingam Government Arts College for Women, Namakkal on 20th September 2017.

Awards and Honors

1. Received **Best Paper Award** for the paper presentation on the title “**Synthesis Growth and Characterization of Oxalic acid dihydrate purified added Benzoate single crystal for optical applications**” during the International Conference on Research in Emerging Advances Materials and Spectroscopy (ICREAMS – 2024) between 21 and 22, February 2024 organised by the PG & Research Department of Physics, Sri idya Mandir Arts & Science College, Uthangarai and Indian Spectro Physics Association (ISPA).

Courses Taught

B.Sc PHYSICS

M.Sc PHYSICS

List of courses taught, including course codes and titles.

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.