

FACULTY – PROFILE



Name of the Department : **PHYSICS**
Name of the Faculty member : **R Kiruthika Saraswathi**
Present Designation : **Assistant Professor**
Contact Number : **9095033577**
Email : rks2612@gmail.com
Date of Joining : **19.06.2024**
Aadhar Number : **674264261421**

Educational Qualifications (Awarded Only)

| Category | Name of the Degree | Specialization | Year of Passing | Name of the College | Name of the University | % of Marks/Grades Secured | Class Obtained |
|----------|----------------------|----------------|-----------------|--|----------------------------|---------------------------|------------------------------|
| PG | M.Phil | Physics | 2014 | Madurai Kamaraj University, Madurai | Madurai Kamaraj University | 81.47% | First Class with Distinction |
| PG | M.Sc | Physics | 2013 | Madurai Kamaraj University, Madurai | Madurai Kamaraj University | 85.5% | First Class with Distinction |
| UG | B.Sc | Physics | 2011 | P.S.G.R. Krishnammal College for Women, Coimbatore | Bharathiyar University | 94.3% | First Class with Distinction |

External Academic/Training Participations

| S. No | Name of the Program | Organized by/Venue |
|-------|---|--|
| 1 | State level one day Hands-on Training on “DFT modeling of molecules using Gaussian 16 software” | V.O.Chidambaram College, Tuticorin |
| 2 | 3-day Faculty Development Programme in “Stress Management” | Wavoo Wajeeha Women’s College, Kayalpattinam |
| 3 | One day state-level seminar on “A Fuel for the Future” | M.D.T Hindu College, Tirunelveli |

Certification and Additional Training

- Diploma course in Embedded System Design - June 2010
- Certificate in Embedded System Design - June 2009

Honors and Awards

- Awarded First rank in M.Phil degree 2014
- Awarded First rank in [M.Sc](#) degree 2013
- Awarded First rank in [B.Sc](#) degree 2011

Programming Skills

- C, C++
- Basic FORTRAN
- Basic MATLAB

Computer Skills

- Microsoft Word, Excel, and PowerPoint
- Adobe PageMaker and Photoshop
- Basic CANVA

Projects Undergone

- Completed a group project “A Study on Insulating Properties of Materials” for the degree of Bachelor of Science in Physics.
- Completed an individual project on “A Study of Geoneutrinos, Earth’s Heat Budget and Neutrino Tomography of Earth” for the degree of Master of Science in Physics.
- Completed an individual project on “Investigations on the Tight-Binding Hamiltonian of Single Layer and Multi-Layer MoS₂” for the degree of Master of Philosophy in Physics.

Workshops Attended

- Science Academies’ Lecture Workshop on “Fundamental Concepts in Basic Physics for Master Course Students and Teachers” organized by the Department of Physics on 5-6 January 2012 at P.S.G.R. Krishnammal College for Women, Coimbatore.
- “Workshop on Physics Education and Research” organized by Department of Physics, IIT Madras during 19-24 December 2011.
- One-day workshop on “Ancient and Modern Astronomy” organized in collaboration with Indian Association of Physics Teachers (IAPT-RC 13) held on 17 July 2009 at Avinashilingam University for Women, Coimbatore.

Summer School

- Selected and completed Summer School in Astrophysics organized by Indian Institute of Astrophysics (IIA) Bangalore from 15-25 May 2012 in Kodaikanal.

Winter School

- Selected and completed Winter School in Astroparticle Physics-2012 organized by TIFR, Mumbai from 20-28 December 2012 in Ooty.

Summer Internship

- Finished a summer internship project titled “Ionized Calcium K Line Formation in Solar Atmosphere” at IIA Bangalore from 26 May to 13 July 2012.

Poster Presentation

- Designed the poster “Geoneutrinos, Earth’s Heat Budget and Neutrino Tomography of Earth” for the proceedings of the 31st meeting of the Astronomical Society of India.