

S. SURENDHAR M.Sc, B.Ed.

CONTACT INFORMATION

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Tiruchengode, Namakkal-637214.
Nationality : Indian



CAREER OBJECTIVES

To inspire students through innovative teaching methodologies, fostering critical thinking and lifelong learning. To advance knowledge through impactful research in nanotechnology, contributing to academic discourse and addressing real-world challenges.

PROFESSIONAL EXPERIENCE

- Working as an Assistant Professor in the Department of Physics at K.S. Rangasamy College of Arts and Science (AUTONOMOUS), Tiruchengode-637214.
- Experienced in operating different synthesis equipment for a variety of approaches.
- Supervised two students in the PG Project.
- Coordinated industrial visits.
- Managed activities as Coordinator for the Einstein's Hub Association.
- Department IQAC Co-Ordinator.
- Organized Association activities as the Association Coordinator.

ACADEMIC PROJECTS

- During my PG in 2020, I did research on "**Size and morphology controlled synthesis of hydroxyapatite nanocrystals via microwave-assisted hydrothermal method**" under the guidance of Dr. G. Suresh Kumar, HOD Department of Physics, K.S. Rangasamy College of Arts and Science in Tiruchengode.
- I have guided PG students on the project titled "**Microwave Assisted Sol-gel Synthesis of Gd-doped HAp Nanoparticles Using PEG Modifier for MRI Imaging.**"

PRESENTATION AND PARTICIPATION IN THE CONFERENCES AND WORKSHOP

- Completed HINDI PARICHAYA and PRATHAMIC examinations with first and second-class grades, respectively.
- Attended inter-departmental one-day "SEMINAR ON MISSION 2020".
- Volunteered for JAMPHY 2kF in 2016 and co-convened JAMPHY 7EO. At Jamal Muhammed College, Trichy.
- Attended the International Conference on Emerging Materials and Modeling (ICEMM) in 2019. Conducted by the Department of Physics, KSRangasamy College of Arts and Science in Tiruchengode.
- Presented a poster for Advancement & Innovation in Nanomaterials and Material Science for Environmental Application (NCNMSEA2019) held at P.K.R Arts College for Women, Gobi.
- Presented a poster at the 3rd International Conference on Recent Trends in Applied Science and Technology (ICRTAST-2019) held at SSN Institutions, Chennai.
- Completed a course and awareness program on road traffic accidents. Held at Regional Transport Office, Tiruchengode.
- Participated in the National Workshop on Space Science (NWSS-2020) organized by the Department of Physics & Institution's Innovation Council (IIC), MHRD, K.S.Rangasamy College of Arts and Science.
- Participated in World Kidney Day awareness rally in Coimbatore.
- Attended a workshop on designing and building solar-powered LED panels, with potential for future employment opportunities.
- Presented a paper at the 8th National Conference on Advances in Metrology (AdMet-2023) on March 23-25, 2023, titled "**Microwave-assisted sol-gel synthesis of NiO nanoflakes for effective energy storage devices**" held at **DAE Convention Centre, BARC, Anushaktinagar Mumbai**.
- Participated in the "**One-Day Workshop with Hands-on Training on Electrochemical Techniques**" conducted by the Department of Green Energy Technology at **Pondichery University** on September 1, 2023.
- Participated in the 6th Hydrogen workshop "**India's Hydrogen Odyssey: Industrial Insights into a Green Energy Future**" conducted by **CFCT-ARCI IIT Madras** on October 4, 2023.
- As a member of the Amateur Radio Association of Tiruchirappalli, I have assembled the GR-40 Receiver at the 'Home Brew' workshop.
- Participated in a week of Faculty Development Program (Hybrid) on "**Advances in Material Characterization and Data Processing**" at **ANURAG University, Hyderabad** from 15.07.2024 to 20.07.2024.
- Attended an I-STEM Operator Teaching and Training (OTT) Program at K. S. Rangasamy College of Technology, Tiruchengode from 13.08.2024 to 14.08.2024.
- Participated in Six-Day State Level Faculty Development Programme (Hybrid) at **B.M.S College for Women (Autonomous), Bengaluru** from 19.08.2024 to 24.08.2024.

- Attended a 3 Days Bootcamp in Patents: How to be a Patent Agent, Examiner, or Analyst in India at LawSikho from 24.08.2024 to 27.08.2024
- Completed a Chat GPT & AI Tools Workshop (Hybrid) at be10X on 11.08.2024.
- Finished a Freedom with AI Masterclass (Hybrid) at Freedom with AI Masterclass on 10.08.2024.
- Participated in AI and Google Tools in Education (Hybrid) at Dynamic Minds group on 22.09.2024

CORE COMPETENCIES:

- Demonstrates exceptional communication and collaboration abilities.
- Exhibits adaptability to new technologies and possesses strong critical thinking skills.
- Proficient in analytical thinking, research methodologies, and problem-solving techniques.

SKILLS

- Proficient in advanced programming languages, including C, C++, and MATLAB.
- Intermediate skills in Microsoft Office suite.
- I completed my diploma in computer application (DCA) with Tally.ERP With GST certification.
- I completed 10 days of Gold Appraiser Training organized by the Entrepreneurship Development and Innovation Institute (EDII-TN) of the Govt. of Tamil Nadu.
- Data interpretation using origin software (XRD, FTIR, Electrochemical analysis, etc.).

EDUCATIONAL QUALIFICATION

- B.Ed. from Vidyaa Vikas College of Education, achieving 75% in 2022.
- M.Sc. in Physics from K.S.Rangasamy College of Arts and Science (Autonomous), with a score of 70% in 2020.
- B.Sc. in Physics from Jamal Mohamed College under Bharathidasan University, graduating with a score of 74% in 2017.
- HSC at Shri Vidhyabharathi Matric Higher Secondary School, securing 77% in 2014.
- S.S.L.C. at Shri Vidhyabharathi Matric Higher Secondary School with a score of 83% in 2012.

PERSONAL INFORMATION

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| Father's Name | - S.Sekar |
| Date of birth | - 12-02-1997 |
| Gender | - Male |
| Religion | - Hindu |
| Languages Known | - Tamil, English |
| Marital Status | - Single |

DECLARATION

I hereby declare that the information in this form is accurate to the best of my knowledge and belief. I accept that I shall be held responsible for everything inconsistently identified.

PLACE:24.09.2024

DATE:Tiruchengode

Yours faithfully,

S. Surendhar

(Surendhar S)