

SOURASHTRA COLLEGE (AUTONOMOUS), MADURAI-4

PROFILE

Name of the Staff : Mrs. M.Amirthavarshini

Academic Qualifications: M.Sc., SLET.,

Designation : Assistant Professor

Department : Physics

Date of Birth : 19.09.1993

Date of Appointment : 20.08.2019

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Educational Qualifications

Qualification	Name of the Institution	University	Year of Passing	Aggregate Percentage
B.Sc., Physics	Lady Doak College, Madurai	Madurai Kamaraj University	April 2016	76
M.Sc., Physics	Lady Doak College, Madurai	Madurai Kamaraj University	April 2018	77
SLET	Mother Teresa Women's University, Kodaikanal	Mother Teresa University	July 2018	
PhD	Virudhunagar Hindu Nadars' Senthilkumara Nadar College, Virudhunagar	Madurai Kamaraj University	Ongoing	

Academic Experience

- Working as Assistant Professor in Department of Physics, Sourashtra College (Autonomous), Madurai, Tamil Nadu from 20.09.2019 – till date.

Additional Responsibilities

- Member in Women Empowerment Cell for the year 2022- Till date.
- Member in Magazine Committee for the year 2022- Till date.
- Member in Career Guidance Cell for the year 2025- Till date.
- Member of IQAC Committee – Criteria-8 from 2025 to till date.

Faculty Development Programmes

- Completed a 4-Week Induction/Orientation Programme for “**Faculty in Universities/Colleges/Institutes of Higher Education**” from June 04 – July 01, 2020 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.
- Completed Two Weeks Faculty Development Programme on “**Advanced Concepts for Developing MOOCS**” from July 02 – July 17, 2020 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.
- Completed One Week Faculty Development Programme on “**Open-Source Tools for Research**” from April 03 – April 17, 2021 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.

- Completed Two Weeks Faculty Development Programme on “**Managing Online Classes & Co- Creating MOOCS 5.0**” from May 11 – May 25, 2021 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.
- Completed Two – Weeks Interdisciplinary Refresher Course in “**Advanced Research Methodology**” from June 21 – July 05, 2022 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.
- Attended One day Faculty Development Programme on “**Success of a Teacher**” organized by the Research Department of Business Administration of Sourashtra College (Autonomous) in tie up with ICSI, Madurai, Tamil Nadu on 14.09.2024.
- Completed a Five-Day Faculty Development Programme on “**Future of Higher Education: Trends, Challenges, and Opportunities**” organized by The Management of Sourashtra College (Autonomous), Madurai, Tamil Nadu from 06.01.2026 to 10.01.2026.

Conferences/ Seminars/Workshops attended

- Participated UGC Sponsored **National Level Seminar** on “Current Trends in Physics” – held at Sri Meenakshi Government Arts College for Women (Autonomous), Madurai, Tamil Nadu on 05.02.2020.
- Participated in the series of online lectures in Solid State Physics – Series 1: “**Electrons in Solids**” during 01-04 June 2020 conducted by Department of Theoretical Physics, University of Madras, Chennai, Tamil Nadu.

- Participated in the **“One Day Training Cum Orientation Programme”** conducted by Department of English and Foreign Languages, and Department of Linguistics, Bharathiar University, Coimbatore, Tamil Nadu in association with **TANSCHÉ** on 30th September, 2020.
- **Two days “In-Service Teacher Training” Programme in Physical sciences** held at Sri Meenakshi Government Arts College for Women (A), Madurai on 05.05.2022 and 06.05.2022 conducted by TamilNadu State Council for Higher Education (TANSCHÉ), Chennai, Tamil Nadu– 600005.

Events organized

- Organized **Online National Level Quiz in Physics – “PHYSIZ”** from 04.06.2020 -14.06.2020.
- **Organizing Committee Member** for One day International Webinar On **“Recent trends in Physics (IWRT-2020)”** held on 28.11.2020, organized by Department of Physics of Sourashtra College (Autonomous), Madurai, Tamil Nadu.
- **Organizing Secretary** for One Day State Level Seminar on **“Applications of Mathematics & Physics in Real Life (SSAMP – 2025)”** held on 29.09.2025, organized by Department of Physics & Department of Mathematics of Sourashtra College (Autonomous), Madurai, Tamil Nadu.
- **Organizing Coordinator for SOUWIN’25 (A Colourful Carnival), A Two Day State Level Intercollegiate Cultural Fiesta**, held on 09.10.2025 & 10.10.2025, organized by Sourashtra College (Autonomous), Madurai, Tamil Nadu.

Publications

- **Murugesan Amirthavarshini**, “Process for the Production of Light weight High Voltage Electrical Insulator using Cenosphere Reinforced New Hybrid Polymer Composites”, INDIAN PATENT Application No. & Date of publication - 202541074760 / 05.09.2025.
- **Amirthavarshini M., JeyakumarN.**, Hollow Microsphere Material Reinforced Bio-hardener Based Epoxy Composites for Effective Electrical High-voltage Insulator Application. Transactions on Electrical and Electronic Materials. (02.02.2026).<https://doi.org/10.1007/s42341-026-00697-1>

Paper Presentation

- **Presented** a paper on “**Development of Fly Ash Cenosphere Reinforced Epoxy Composites for effective Electrical Insulation Application**”in the International Conference on “**Emerging Trends in Physics, Energy Storage Materials and Nanotechnology (ICEPEN 2025)**” organized by the PG and Research Department of Physics, Mannar Thirumalai Naicker College (Autonomous), Madurai, Tamil Nadu on 03.02.2025 and 04.02.2025.
- **Presented** a paper on “**Fly Ash Cenosphere Reinforced Epoxy Composites for effective Electrical Insulation Application**”in the **International Conference on “Chemistry and environmental Engineering Sciences (ICCEES-2026)**” organized by Department of Chemistry, Arumugam Pillai Seethai Ammal College, Tiruppattur, Sivangai, Tamil Nadu on 21. 01. 2026.

Courses Coordinated

- **Value-Added Course** for First Year B.Sc. students of Department of Physics, SourashtraCollege (Autonomous), Madurai, Tamil Nadu on **“Data Analysis and Scientific Modeling”** during the academic year 2021-2022.
- **Value-Added Course** for First Year B.Sc. students of Department of Physics, SourashtraCollege (Autonomous), Madurai, Tamil Nadu on **“Data Analysis and Scientific Modeling”** during the academic year 2024-2025.
- **Certificate Course** for Second Year B.Sc. students of Department of Physics, SourashtraCollege (Autonomous), Madurai, Tamil Nadu on **“Introduction to Instrumentation & Principles of Physics in Home Appliances”** during the academic year 2024-2025.
- **Certificate Course** for Second Year B.Sc. students of Department of Physics, SourashtraCollege (Autonomous), Madurai, Tamil Nadu on **“Introduction to Instrumentation & Principles of Physics in Home Appliances”** during the academic year 2025-2026.
- **Delivered a lecture on “E-mail Writing”** for Career Development Programme titled “English for Employability Skills” on 04.08.2025 organized by Career Guidance Cell Sourashtra College (Autonomous), Madurai, Tamil Nadu.