

Name of the Faculty : Mrs. G.Sophia
 Department : Physics
 Designation : Assistant Professor
 Teaching Experience : 2 Years
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Educational Qualification:

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| Qualification | Year of Passing | Name of the College | Name of the University | % of Marks / Grades Obtained |
|------------------|-----------------|--|--|------------------------------|
| B.Sc., Physics | 2009 | Rama Prabha College of Arts & Science, Dindigul. | Madurai Kamaraj University, Madurai | 59% Second Class |
| B.Ed., Physics | 2011 | Punitha Valanar College of Education, Dindigul | Tamil Nadu Teachers Education Institute | 68% First Class |
| M.Sc., Physics | 2017 | Sakthi College of Arts & Science for Women, Oddanchatram | Mother Teresa Women's University, Kodaikanal | 69% First Class |
| M.Phil., Physics | 2018 | Sakthi College of Arts & Science for Women, Oddanchatram | Mother Teresa Women's University, Kodaikanal | 79% Distinction |

➡ Title of the M.Phil., Dissertation: A Study on Synthesis and Characterization of Banana Stem and Petal using Magnesium Chloride Nanoparticle

Research Publications:

- ➡ A Study on Synthesis and Characterization of Banana stem and Petal Using Magnesium Chloride Nanoparticle, Wesleyan Journal of Research, ISSN: 0975-1386, May 2021.
- ➡ Synthesis of Cupric Nitrate Nanoparticles using Muntinga Calabura Leaf Extract and Study their Antimicrobial Activities, Wesleyan Journal of Research, ISSN: 0975-1386, May 2021.
- ➡ Comparison between Variety of Turmeric Brands by Silver Nanoparticle, Wesleyan Journal of Research, ISSN: 0975-1386, May 2021.

Papers Presented in Conference/Seminar/Symposium/Workshop:

| Programme | Title of the Paper | Theme of the Programme | Venue | Date |
|------------------------|--------------------|---|---|----------------------------|
| FDP | Participated | International Yoga Day Celebrations | Hindusthan College of Arts and Science, Coimbatore. | 12.06.20 |
| FDP | Participated | Cybersceurity | SRM Institute of Science and Technology, Chennai. | 22.6.20 to 26.6.20 |
| FDP | Participated | Geographical Information System | N.G.M. College, Pollachi | 28.09.20 |
| Orientation Training | Participated | NSS | Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore. | 21.01.20 to 02.02.20 |
| National Conference | Participated | Synthesis and Characterization of Novel Materials | Muthurangam Govt. Arts College, Vellore | 06.0720 & 07.07.20 |
| National Conference | Participated | Synthesis and Characterisation of Banana stem and Petal using magnesium chloride nano particles | Arulmigu Palaniandavar Arts College for Women, Palani | 25.01.20 |
| Workshop | Participated | Women and Legal Rights | Justice Shivaraj V. Patil Foundation, Madurai | 16.12.19 to 20.12.19 |
| National Level Webinar | Participated | Cancer Care | S. V.N.College, Madurai | 28.05.20 |
| National Level Webinar | Participated | Dynamic Materials Model | S.D.N.B Vaishnav College for Women, Chennai | 12.06.20 |
| National Level Webinar | Participated | Career for Physics Graduates after Graduation | Vivekananda College, Madurai | 22.06.20 |
| National Level Webinar | Participated | Fuel and Technology-Green Energy | Sakthi College of Arts & Science for Women, Oddanchatram | 15.07.20 |
| National | Participated | Infrared Spectroscopy of | Sacred Heart College, | 17.07.20 |

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|------------------------|--------------|--|--|--------------------|
| Level Webinar | | Transient Chemical Species in Helium Nano Droplets | Tirupattur. | |
| National Level Webinar | Participated | Advanced Materials for Energy Storage Applications | Fatima College , Madurai | 13.7.20 to 15.7.20 |
| National Level Webinar | Participated | Quantum Materials and Nanoparticles for Advanced Applications | Kamaraj College, Tuticorin | 06.08.20 |
| National Level Webinar | Participated | Crystal Growth and its Characterization | Sakthi College of Arts and Science for Women, Oddanchatram | 19.05.21 |
| National Level Webinar | Participated | Low Dimensional Semiconducting Materials & their Applications in Optoelectronics | Sakthi College of Arts and Science for Women, Oddanchatram | 24.05.21 |
| National Level Webinar | Participated | Solar Energy Devices and Applications | Sakthi College of Arts and Science for Women, Oddanchatram | 26.05.21 |

Positions Held:

- ➡ Organizer, Online Quiz on “Know your Innovation Ability” on 29th & 30th Jan 2021.
- ➡ Organizer, Online Quiz on “Basic Laws in Astrophysics” on 31st May & 01st June 2021.