

Department of Science and Humanities (PHYSICS)

Personal Details

Name:	Dr.B. SHEEBA
Designation:	Assistant Professor
Educational Qualification:	M.Sc., M.Phil., Ph.D.
Experience:	12 years
Area of Specialization:	NanoScience and nanotechnology

Educational Details

S.No.	Degree	Branch/Specialization	Institute/University	Year
1.	Ph.D	NanoScience and nanotechnology	Bharathiar University	2023
2.	M. Phil	Physics	Karpagam University	2010
3.	M.Sc	Physics	NMCC Marthandam	2004
4.	B.Sc	Physics	NMCC Marthandam	2002

Publication Details

International Journal

1. **Sheeba Britto**, Velavan Ramasamy, Priya Murugesan, Jayaraman Senthilselvan, “**Structural and dielectric studies on graphene – tantalum disulphide nanocomposite metamaterial**”, Emergent Materials, Vol. 6 (2023), 1935-1949. Impact factor: **4.04**

2. **Sheeba Britto**, Velavan Ramasamy, Priya Murugesan, Ramasamy Thangappan and Rajasekar kumar, “**Preparation and Electrochemical Validation of rGO-TiO₂-MoO₃ Ternary Nanocomposite for Efficient Supercapacitor Electrode**” Diamond and Related Materials, Vol. 122 (2021), 108798. Impact factor: **3.315**

3. **Sheeba Britto**, Velavan Ramasamy, Priya Murugesan, Bernaurdshaw Neppolian and Thangavel Kavinkumar, **“Graphene based ceria nanocomposite synthesized by hydrothermal method for enhanced supercapacitor performance”** Diamond and Related Materials, Vol. 105 (2020), 107808. Impact factor: **2.650**

4. **Sheeba Britto**, Velavan Ramasamy, Priya Murugesan, **“Photoluminescence studies on nanocomposite graphene decorated with tantalum oxide”** Applied Optics, Vol. 58, (2019), 2989 – 2903. Impact factor: **1.961**

Program Attended

CONFERENCES AND FDP ATTENDED

- 5 Webinar FDP on “Advanced materials for energy storage application” Velammal institute of technology, July 18 – 22, 2020.
- Webinar on “Essentials of nanotechnology and nano electronics” Saveetha Engineering College, June 13, 2020.
- International webinar on “Emerging trends in chemistry 2020”, Govt Arts College for men Nandhanam, July 29 – 30, 2020.
- National seminar on “Nanostructured Materials” Bharath Institute of Higher Education and Research, Chennai, December 20, 2019.
- National conference on “nanomaterials and nanobiotechnology” National center for nanoscience and nanotechnology, University of madras, February 7 – 8, 2017.
- National workshop on “Solar energy based photovoltaic power system – assembly and installation” Bharath University, Chennai, April 6 – 7, 2017.