



**Name** : Mrs.D.Niveditha  
**Designation** : Assistant Professor  
**Department** : Physics  
**Qualification** : M.Phil., (Ph. D)  
**Experience** : Teaching - 9 Years  
**Research** : 7 Years  
**Area of Specialization(s)** : Nanoscience and  
Nanotechnology  
**Email (OfficialID)** : dniveditha@psgrkcw.ac.in



#### Academic Qualifications

Degree	Branch	Institution/UniversityName	Year of Graduation
Ph.D.	Physics	DR.N.G.P College of Arts and Science /Bharathiar University	Thesis Submitted
M.Phil	Physics	PSGR Krishnammal College for women /Bharathiar University	Aug 2014- Nov 2015
M. Sc.	Physics	PSGR Krishnammal College for women / Bharathiar University	Jun 2012 – May 2014
B.Sc.	Physics	PSGR Krishnammal College for women /Bharathiar University	Jun 2009 – May 2012

## Research Publications (Indexed)

- Synthesis, Characterization of C-Zn/Pd-Np as Potential Nanocomposites against Human Lung Cancer Cells (A549) and Pathogenic Microorganisms. *Journal of Inorganic and Organometallic Polymers and Materials*, 34(10), pp.4917-4930 (SCI- Impact factor: 3.9).
- Anti-cancer Potential of Biosynthesized Zinc Oxide Nanoparticles against Human Breast Cancer Cells (MCF-7). *Nanochem Res*, 2025; 10(3): 337-349, DOI: 10.22036/ncr.2025.479525.1415 (Scopus- Impact factor: 2.271).

## Paper Presentations in Conference

### International

- International conference on Advanced Materials for Sustainable Technologies (ICAMST 2025) ON 23/1/2025-24/1/2025
- International conference on Optics and Photonics Technology (ICOPT-23) from 02/02/2023- 03/02/2023
- International conference on Recent Advancements in Computational Nanoscience and Energy Storage Technology (ICCNES – 23) from 13/07/2023- 14/07/2023

### National

- National Conference on Convergence of Artificial Intelligence and Multidisciplinary Sciences for Sustainable Development (AIMS -26) on 26/02/2026

## Participation in Conference

- National Conference on “Renewable Energy and its Applications in Mitigation of Climate Changes from 21/1/2019 -22/1/2019
- National Conference on Molecular Modeling and Simulation Methods from 17/02/2020- 18/02/2020
- International Conference on “Designing New Pedagogies in Higher Education: A Driving Force To Achieve Sustainable Developments Goals “ from 27/01/2023- 28/01/2023

### **Participation in Workshop /FDP**

- CSIR NET/SET Workshop on Physical Sciences from 14/07/2025 to 15/07/2025
- National Workshop on Electrochemical Devices from 22/08/2023 to 23/08/2023
- Workshop on First Aid Skills organised by the Red Cross Society on 08/08/2023
- CSIR NET/SET Workshop on Physical Sciences from 12/08/2024 to 13/08/2024
- Hands – on Training on “Rooftop Solar Panel Installation and Sizing from 05.08.2025- 07.08.2025
- Faculty Development Programme on Insights to AI &ML for Physical Science on 1/03/2023
- FDP on Managing Stress and Enhancing Productivity from 27/01/2026 to 02/02/2026
- FDP on “Redefining Education through Gamification-Teaching Learning Tools for Digital Era” on 27/7/2020
- Faculty Development Programme on “SPECTRA OF PHYSICS” from 01/03/2022 -09/03/2022

### **Conference/Seminar/Workshop/FDP Organized**

- FDP on "VISIONARY VOICES: SHAPING THE FUTURE OF RESEARCH" from 01/04/2024 to 07/04/2024
- FDP on “Sustainable energy and Advanced Materials: From Design to Applications “ from 15/12/2025 – 20/12/2025