Faculty Profile

1. ***Name : Dr.V.Porkalai***
2. ***Designation****: Assistant Professor of Physics*
3. ***Department:*** *Physics*
4. ***Age & DOB*** : 42 & 18.05.1980
5. ***Date of first appointment*** : 04.12.2019
6. ***Educational Qualification:***

Degree / Diploma / Certificate	Subject	Name Of The Institution	Year Of Passing	Remarks
B.Sc	Physics	TBML College Porayar	2003	First class
M.Sc	Physics	TBML Collge Porayar	2005	First class
M.Phil	Physics	TBML College porayar	2006	Distinction
B.Ed	Physics	Sir issac newton College	2011	First class
M.Ed	Physics	Sir issac newton	2012	First class
Ph,D	Physics	T.V.K G.College Thiruvarur	2020	got Degree

7. ***Academic/Teaching Experience***

S. NO.	INSTITUTION	FROM – TO
1.	ADM College for Women (A), Nagapattinam	**10.10.2022 to Till date**

8. ***Area of specialization:*** *Nanotechnology, Material Science and Biomedical applications*
9. ***Area of Research Interest:*** *Nanotechnology, Material Science and Biomedical applications*
10. ***Papers Presentation***

S. NO.	NAME OF THE PAPER	ORGANIZED BY	DATE
1.	Study on the Synthesis, Structural, Optical and Electrical Properties of ZnO and Lanthanum Doped ZnO Nano Particles by Sol-Gel Method	National conference on synthesis and characterization of nano materials" organized by the *Sathyabama Engineerimg college - Chennai*	*2017*
2.	Study on the Synthesis, Structural, Optical and Electrical Properties	National conference on synthesis and characterization of novel	2017

	of ZnO and Lanthanum Doped ZnO Nano Particles by Sol-Gel Method	materials" organized by the Muthurangam Government Arts college, (Autonomous), Vellore	
3.	Sol-gel synthesis, Mn doped ZnO nanoparticles and theirstructural and optical properties	International Conference on Natural environment society " organized by the sasithra unicersity-Thanjaur	2018

11. ***Papers Publications***

- International

S.No	Article	Name of the Journal	Year
1.	Study on the Synthesis, Structural, Optical and Electrical Properties of ZnO and Lanthanum Doped ZnO Nano Particles by Sol-Gel Method,	*Mechanics, Materials Science & Engineering, – ISSN 2412-5954.*	April 2017
2.	Structural and morphological properties of Ag-In co- doped ZnO nano particles synthesized by sol-gel method	Nano hybrids and composites, Vol.17,	2017
3.	Sol-gel synthesis, Mn doped ZnO nanoparticles and theirstructural and optical properties	International Journal of Advanced Science and Engineering	2018
4.	Effect of calcinations on the structure and morphological properties of Ag and In co-doped ZnO nanoparticles	*J Mater Sci: Mater Electron* 28:2521–2528DOI 10.1007/s10854-016-5826-1	2017
5.	Raman scattering and photoluminescence properties of Ag doped ZnO nano particlessynthesized by sol–gel method	Journal of Materials Science: Materials in Electronics	2018
6.	Low Temperature Ferromagnetism and Optical Propertiesof Fe Doped ZnO	Mechanics, Materials Science & Engineering,	2018

	Nanoparticles Synthesized by Sol-Gel Method		
7.	Optical and Electrical properties of lanthanum doped and lanthanum silver co doped ZnO nano particles	JournalOptik (Communicated)	2018
8.	Sol-gel synthesis, Mn doped ZnO nanoparticles and their structural and optical properties	International Journal of AdvancedScience and Engineering	2018
9.	Effect on different calcinations temperature green synthesis of ZnO nanoparticles structural, optical, morphological and functional properties using leaves of *Ocimum Santum* - antibacterial activity.	Materials Today: Proceedings	2022
10.	Green Synthesis of ZnO nanoparticles using *Plectranthus Amboinicus* leaf extract and Study their Characterization	Materials Today: Proceedings	2022