Dr. P. NITHIANANTHI



1. Designation : Associate Professor
2. Centre / Department/School : Physics
3. Qualification : M.Sc., Ph.D in Physics
4. Experience (in years) : Teaching: 14years
   Research: 16years
5. Area of Specialization : 1) Quantum Heterostructures
   2) Solar Cells
   3) Supercapacitors
6. Mobile Number : 9976748971
7. E-Mail ID : nithyauniq@gmail.com
8. Orcid ID : 0000-0001-7759-1513
9. Google Scholar ID : (ID: __tQr6EAAAAJ&hl)
10. IRINS Link for detailed profile :https://ruraluniv.irins.org/profile/107273

11. **Research Guidance** :

Degree	Awarded		Guiding
	Total	For the period 2019-2024	
Ph.D.	8	4	4

12. **Publications**

S.No.	Category	Total	For the period 2019-2024
1.	No. of UGC CARE Listed Publications	76	38
2.	No. of Chapters in Edited Volume / Proceedings	1	1

Select Publications (2019-2024)

S.No.	Title of the Article	Name of the Journal	I/N	ISBN/ ISSN	Vol.	Pg.	Month and Year
1.	Effect of confining potential on the exciton stability at various locations in a parabolic and square quantum ring	Physica Scripta	I	1402-4896	95	055102	Feb 2020
2.	TiO2/Graphene Quantum Dots core shell based photo anodes with TTIP treatment a perspective way of enhancing the short circuit current	Solar Energy Materials and Solar Cells	I	0927-0248	205	110239	2020
3.	Donor dynamics of reverse type I core/shell nanostructure embedded in inorganic and organic polymer matrices	Journal of Nanoparticle Research	I	1572-896X 1388-0764	25	162-1-13	July 2023
4.	MWCNT supported CuS/ZrS3 composite: A versatile multifunctional catalyst for Dye-sensitized solar cells, water splitting, and supercapacitors	Electrochimica Acta	I	0013-4686 1873-3859	477	143746-1-13	Dec 2023
5.	Investigating the electrochemical performance of Mn3O4/MoMn2P12 mixed-phase catalyst on MWCNT for high specific energy supercapacitors and HER/OER reactions	Journal of Energy Storage	II	2352-1538 / 2352-152X	90	111825-1-13	Apr 2024

13. No. of Presentations in Seminars/Conferences (2019-2024) : 19
14. No. of Invited Talks in National / International Conferences (2019-2024) :2

15. **Additional Responsibilities (2019-2024):**
    - IQAC Working Committee Member, GRI
    - Shanti Sena Organiser, GRI