

RESUME



Name: Dr.I.Loyola Poul Raj
Designation: Assistant Professor
Department: Physics
Address: Keela Sethur, Mela Sethur (Post), Sivagangai (Dist)

PERSONAL DETAILS

Date of Birth : 17.04.1989
Qualification : M.Sc.,M.Phil.,B.Ed.,PhD.,
Designation : Assistant Professor
Department : Physics
Community : BC
Religion : Christian
Nationality : Indian
Mobile : 9786675507
Email ID : loyolapaulraj@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
Ph.D	Physics	Arul Anandar College, Karumathur,	Madurai kamaraj University,	2023

		Madurai	Madurai, India	
M.Phil	Physics	St.Joseph's college, Tiruchirapalli	Bharathidasan University, Tiruchirapalli, India	2013
M.Sc	Physics	St.Joseph's college, Tiruchirapalli	Bharathidasan University, Tiruchirapalli, India	2012
B.Ed	Physical Science	St. Xavier's College of Education, Palayamkottai,	Tamilnadu teacher education University, India.	2010
B.Sc	Physics	Ananda college, Devakottai	Alagappa University, Karaikudi, India	2009

ACADEMIC IDENTITY

*VIDWAN ID	395241
*ORCID ID	0000-0003-0235-5297
GOOGLE SCHOLAR LINK	https://scholar.google.com/citations?user=f7bJKfcAAAAJ&hl=en

TEACHING EXPERIENCE

Date of Appointment	19.06.2023
Date of Retirement	
Teaching Experience	UG :9 Years
	PG :Nil
	M.Phil:Nil
Research	Guided M Phil: Guided Ph D: Guiding Ph Scholar:

COURSES/CLAS SES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		
		From	To	Years
B.Sc Physics	Ananda College,Devakottai	2014	2023 (May)	9
B.Sc & M.Sc Physics	St.Xavier's College (Autonomous), Palayamkottai	2023 (June)	Till date	

AWARDS RECEIVED	
1.	Received Best Assistant Professor Award-2021 from Malaysia Tamil Education site for Indian Students and Kaviyarasar Kalai Tamil Sangam, Paramathi velur, Namakkal (Dist) on 26.01.2021.
2.	Eminent Professor Award from Kurinchi Kabilar Literary Association, Pilikkalpalayam, Namakkal (Dist) on 5.10.2020.
3.	
4.	
5.	

ADMINISTRATIVE EXPERIENCE			
S. No	DESIGNATION	INSTITUTIONS	YEAR
1	Head of the Department	Ananda College, Devakottai	2022-2023
2	Assistant Professor	Ananda College, Devakottai	2014-2023
3	Alumni Director	Ananda College, Devakottai	2019-2022
4	NSS Programme officer	Ananda College, Devakottai	2016-2019
5	Fine Arts convener and Co-ordinator	Ananda College, Devakottai	2014-2017

MEMBERSHIP		
S. No	Designation	Particulars
1.		
2.		
3.		
4.		
5.		

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE ()

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Faculty Induction Programme	Higher Education Commission, Jesuit Madurai Province	Sacred Heart College, Shembaganur, Kodaikanal (5 th , 6 th , and 7 th June 2023)
2	Workshop on Aspects of	IQAC, St. Xavier's	St. Xavier's College

	Higher Education	College (Autonomous), Palayamkottai.	(Autonomous), Palayamkottai, (15.06.2023)
3	Orientation Programme for Teachers	IQAC, St. Xavier's College (Autonomous), Palayamkottai.	St. Xavier's College (Autonomous), Palayamkottai, (16.06.2023 & 17.06.2023)

DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out
PhD	Studies on metal ion doped Nickel oxide thin films for photosensor applications	Madurai Kamaraj University

AREAS OF RESEARCH

synthesis of low cost semiconductor based materials for Photosensor, Photocatalysis and gas sensor applications

RESEARCH PROJECTS CARRIED OUT

S. No	Title of the Project (Minor)	Name of the Funding Agency & Amount	Duration

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PUBLICATIONS				
BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	

PUBLICATIONS: BOOKS ()			
S. No	Title of the Book	Publication	Year

BOOK CHAPTERS ()			
S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No

PUBLICATIONS: SCOPUS INDEXED JOURNALS () WEB OF SCIENCE ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No

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PUBLICATIONS: UGC LISTED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	The role of silver doping in tuning the optical absorption, energy gap, photoluminescence properties of NiO thin films for UV photosensor applications	Optik - International Journal for Light and Electron Optics	254 (2022) 168634 , (I.F = 2.443)
2	Development of a highly sensitive UV sensor using Al, Ga, and In-doped NiO thin films via nebulizer spray pyrolysis method for photodetector applications	Journal of Mater Sci: Mater Electron,	(2022) (I.F = 2.478)
3	Improved UV photosensing properties of high crystalline nickel oxide thin films: Role of yttrium doping	Optik - International Journal for Light and Electron Optics	248(17)(2021)168105 (I.F = 2.443)
4	Highly sensitive ultraviolet photodetectors fabricated from rare earth metal ions doped NiO thin films via nebulizer spray pyrolysis method	Sensors and Actuators: A. Physical	333 (2021) 113242 (I.F = 3.407)
5	Enhancing the ultraviolet photosensing properties of nickel oxide thin films by Zn-La co-doping	Ceramics International	48 (4) (2022)5026-5034 (I.F = 4.527)
6	Enhancement of optoelectronic parameters of Nd-doped ZnO nanowires for photodetector applications	Optical Materials	109(2020)110396 (I.F = 3.06)
7		Sensors and Actuators	315(2020)112306 (I.F =

	Enhancement of photo-sensing properties of CdS thin films by changing spray solution volume	A: Physical	3.407)
8	A comprehensive study on effect of annealing on structural, morphological and optical properties of CdO and photodetection of heterojunction n-CdO/p-Si diode	Optik - International Journal for Light and Electron Optics	241(2021)166406 (I.F = 2.443)
9	Significance of Ni doping on structure-morphology-photoluminescence, optical and photocatalytic activity of CBD grown ZnO nanowires for opto-photocatalyst applications	Inorganic Chemistry Communications	119(2020) 108082 (I.F = 2.495)
10	Study on the synergistic effect of terbium-doped SnO ₂ thin film photocatalysts for dye degradation	J Nanopart Res	22 (2020) 359 (I.F = 2.464)
11	Improved ammonia vapor sensing properties of Al-doped ZnO nanoparticles prepared by sol-gel process	Physica Scripta,	96(8)(2021) 085802 (I.F = 2.487)
12	Noticeably enhanced photosensing properties of Fe-doped Bi ₂ S ₃ thin films developed by nebulizer spray pyrolysis technique for photosensor applications	Sensors & Actuators: A. Physical	345 (2022) 113759 (I.F = 3.407)
13	Improved device performance of CuO:Ag photodetectors fabricated by nebulizer spray pyrolysis technique	Optical Materials	124 (2022) 112006 (I.F = 3.08)
14	Fabrication of Er, Tb doped CuO thin films using nebulizer spray pyrolysis	Optical Materials	123 (2022) 111954 (I.F = 3.08)

	technique for photosensing applications		
15	Improved optoelectronic properties of spray pyrolysis coated Zn doped Cu ₂ O thin films for photodetector applications	Optical Materials	116 (2021) 111086 (I.F = 3.08)
16	Improved photocurrent properties of La doped CuO thin films coated by nebulizer spray pyrolysis method for photosensor applications	Optical Materials	122(16)(2021)111790 (I.F = 3.08)
17	Improved optoelectronic properties of Yttrium co-doped CdO:Zn thin films fabricated by nebulizer spray pyrolysis method for TCO applications	Physica Scripta	96(2021)125860
18	Noticeable enhancement in NH ₃ sensing performance of nebulizer spray pyrolysis deposited SnO ₂ thin films: An effect of Tb doping	Super lattices and Microstructures	154 (2021) 106868 (I.F = 2.658)
19	Enhanced room temperature ammonia gas sensing properties of Al-doped ZnO nanostructured thin films	Optical and Quantum Electronics	52 (2020) 501 (I.F = 2.084)
20	Enhanced room temperature ammonia gas sensing properties of strontium doped ZnO thin films by cost-effective SILAR method	Materials Science in Semiconductor Processing	119 (2020) 105117 (I.F = 3.085)
21	Enhanced structural, optical, and photo sensing properties of Ni-doped Co ₃ O ₄ thin films prepared by nebulizer spray pyrolysis method	Physica B	649 (2023) 414492 (I.F = 2.436)
22	Influence of samarium doping	Applied Physics A	(2023) (I.F = 2.584)

	on enhancing the photosensing capability of nebulizer-sprayed bismuth sulfide thin films		
23	High photocurrent performance of nebulizer sprayed Bi ₂ S ₃ thin films by a novel Cu-La doping strategy	Journal of Photochemistry and Photobiology A: Chemistry	(2023) 114921

PUBLICATIONS: OTHER INDEXED JOURNALS ()

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg.No

AS A RESOURCE PERSON (26)

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP PAPER PRESENTED: National () International ()

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	International Conference On New Vistas In Material Science (NVMS-2019)	Seethalakshmi Achi College for Women,	Pallathur, Sivagangai, 12 th September 2019
2	Semiconductors, Surfaces, Alloys Modeling And Preparations (SSAMP-2019)	Sree Sevugan Annamalai Arts and Science College, Devakottai	Devakottai, 6 th December 2019
3	International Conference on advanced	Arul Anandar College,	Madurai, 11 th

	materials (ICAM-2020)	Karumathur, Madurai	and 12 th February 2020
4	National conference on advanced level of nanotechnology, 18th February 2020 Idhaya College for Women, Sarugani	Idhaya College for Women, Sarugani	Sarugani ,18 th February 2020
5	International Conference On Nanomaterials, synthesis and applications (ICNSA-2020)	Caussanel College Of Arts And Science, Muthupettai, Ramanathapuram	Muthupettai ,19 th February 2020
6	Recent Trends in chemical sciences-2020	Ananda College, Devakottai	Devakottai , 21 st February 2020
7	International Conference on Recent Trends in Physical Sciences (RTPS-2022)	Arul Anandar College, Karumathur, Madurai	Madurai, 17 th and 18 th February 2022
8	International Conference on Recent trends in Renewable Energy and its Applications (ICREA '22)	Idhaya College for Women, Sarugani	Sarugani ,22 nd April 2022

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date

COUNTRIES VISITED			

**EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES
ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)**

Date: 17.07.2023

Name: Dr.I.Loyola Poul Raj