

<p style="text-align: center;">Name:</p> <p style="text-align: center;">Dr. R. NIRUBAN BHARATHI</p>				
Designation:	ASSISTANT PROFESSOR			
Qualification:	M.Sc., M.Phil., Ph.D.			
Area of specialization:	Magnetic Semiconductor			
Experience:	Industrial Experience	Postdoctoral Experience	Teaching Experience	
	-	-	7 years 6 months	
Number of workshops / FDP attended:	Number of Workshops		Number of FDPs	
	3		5	
Publications:	Conference		Journal	
	National	International	National	International
	4	1	-	9
Books / Book Chapters	-			
Patents:	National		International	
	-		-	
Research Guidance	Completed		Ongoing	
	-		01	
Professional Body Membership	IEEE			

Research	Google Scholar ID: GeszQ1EAAAAJ Researcher ID: IUO-1490-2023 Orcid ID: 0000-0002-5701-8565 Scopus ID: 57199507073 Anna University Guideship: 4170048
Staff Achievements	1. NPTEL Domain certification – Electronic Materials 2. Successful completion of NITTTR, UHV-1

Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.,	Physics	2010	St. Joseph's College, Trichy	Bharathidasan University	72.14	First
PG	M.Sc.,	Biophysics	2012	University of Madras	University of Madras	65	First
	M.Phil.	Physics	2013	Anna University	Anna University	81.5	First
Doctorate	Ph.D.	Physics	2020	Anna University	Anna University	Highly Commented	

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Sai Ram Engineering College, Chennai	Assistant Professor	01.07.2025	Till Date	0	8	5
Sri Sai Ram Institute of Technology, Chennai	Assistant Professor	20.09.2023	30.06.2025	1	9	10
Prathyusha Engineering College, Tiruvallur	Assistant Professor	05.03.2021	05.09.2023	2	6	0
V.S.B College of Engineering and Technical Campus, Coimbatore.	Assistant Professor	02.07.2018	04.01.2021	2	6	2
Total				7	6	17

Workshops/Seminars attended:

1. Workshop on “Author Workshop on Book/Journal Publishing”, on 24th September 2014 organized by Elsevier Research solution at Anna University, Chennai.
2. Short-Term Course on “Research Methodology, Techniques of writing Research Articles”, from 27th February 2013 to 28th February 2013 at Anna University, Chennai.
3. Workshop on “Routledge Editorial Workshop 2016” on 03rd August organized by Taylor and Francis along with University Library at Anna University, Chennai..

FDP/STTP Attended:

1. FDP on “Research Skills and Techniques” from 24th March to 25th March 2021 at Reva University, Bangaluru.
2. FDP on “Fundamentals of Nanomaterials and its applications to Science and Engineering” on 29th May 2021 at CSI College of Engineering, Ooty.
3. FDP on “Materials for Energy and Biomedical Applications” from 31st May 2021 to 04th July 2021 at GMR Institute of Technology, Andhra Pradesh.
4. FDP on “Advances in Materials, Nano-Composites and its Applications” from 12th September to 17th September 2022 at VelTech MultiTech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai.
5. FDP on “One Week National Level Online Faculty Development Program on Functional Materials” from 22nd May 2023 to 26th May 2023 at T.J.S. Engineering College, Chennai.

Papers presented in International / National Conferences:

1. Presented a paper on International Conference on “Nanoscience and Nanotechnology (ICONN-2015)” from 04th February 2015 to 6th February 2015 at SRM University, Chennai.
2. Presented a paper on the 2nd National Conference on “Materials for Energy Conservation and Storage (MECS- 2016)” from 11th March 2016 and 12th of March 2016 at Pondicherry University, Pondicherry.
3. Presented a paper at the 2nd National Conference on “Emerging Trends in Science and Humanities (NCETSH-2013)” on 5th April 2013 at Saveetha Engineering College, Chennai.
4. Presented a paper at the National Conference on “Physics and Chemistry of Solids (NCPCS- 2013)” from 12th April 2013 to 13th April 2013 at S.R & B.G.N.R Govt Arts and Science College, Khamman, Andhra Pradesh.
5. Presented a paper on the National Seminar on “Positron Annihilation” on 5th September 2014 at University of Madras, Chennai.

Conference/ Symposium Attended:

1. Presented a paper (Poster) at the 68th DAE-Solid State Physics Symposium on (DAE-SSPS-2024), held at DAE Convention Centre, Mumbai, during 18-22 December 2024.

Journal Publications:

1. Niruban Bharathi, R & Sankar, S 2018, 'Structural, optical and magnetic properties of Pr doped CeO₂ nanoparticles synthesized by citrate-nitrate auto combustion method', Journal of Material Science: Materials in Electronics, vol. 29, pp. 6679- 6691, IF-2.779.
2. Niruban Bharathi, R & Sankar, S 2018, 'Effects of transition metal element (Co, Fe,Ni) codoping on structural, optical and magnetic properties of CeO₂:Er nanoparticles', Superlattices and Microstructures, vol. 123, pp. 37-51, IF-3.22.
3. Niruban Bharathi, R & Sankar, S 2017, 'Structural, optical, and magnetic properties of Nd- doped CeO₂ nanoparticles codoped with transition metal elements', Journal of Superconductivity and Novel Magnetism, vol. 31, pp. 2603-2615. IF-1.675.
4. Niruban Bharathi, R & Sankar, S 2018, 'Investigation of transport properties of Pr doped cerium oxide nanoparticles as a solid electrolyte for IT-SOFC applications', Journal of Inorganic and Organometallic Polymers and Materials, vol. 28, pp. 1829-1838. IF-3.518.
5. Dhinesh B, Niruban Bharathi R, Isaac Joshua Ramesh Lalvani J, Parthasarathy M, Annamalai K 2017, 'An Experimental Analysis on The Influence Of Fuel Borne Additives On The Single Cylinder Diesel Engine Powered By Cymbopogon Flexuosus Biofuel', Journal of the Energy Institute, vol. 90, pp. 634-645, IF-6.47.
6. Niruban Bharathi, R & Sankar, S 2015, 'Mg Doping Effects on The Physical Properties Of Lead Sulphide Thin Films', International Journal of ChemTech Research, vol. 7, pp. 980-986, IF-0.515.
7. Krithiga R, Sankar S, Subhashree G, and Niruban Bharathi R 2015, 'Structural and Optical Properties of ZnO: K Synthesized by Sol-Gel Auto- Combustion Route', AIP Conference Proceedings, vol. 1665, pp. 120004, IF-0.40.
8. Niruban Bharathi R, Tholkappiyan Ramachandran, Rekha G 2023, 'Cu-Doping-Induced Modulation of Crystal Structure and Magnetic Anisotropy in Dy₃Cu_xFe_{5-x}O₁₂ Garnet Nanocrystals', Applied Physics A Materials Science & Processing, vol. 129, pp. 481, IF-2.983.
9. Niruban Bharathi R, Tholkappiyan Ramachandran, Rekha G 2023, 'Investigation of Mixed Electronic States in Dy₃Fe₅O₁₂ Produced By Doping With Nickel', Journal of Cluster Science vol. 35, pp. 545, IF-3.6.

Awards:

1. NPTEL Domain Scholar, ELECTRONIC MATERIALS

Online Courses:

1. NPTEL – AICTE Faculty Development Program, Thin Films Technology (Elite), July – October 2024.
2. NPTEL – AICTE Faculty Development Program, Physics of Materials (Elite), July – October 2024.
3. NPTEL – AICTE Faculty Development Program, Fundamentals of Electronic Device Fabrication (Elite), July – August 2024.
4. NPTEL – AICTE Faculty Development Program, Fundamentals Of Electronic Materials And Devices, January – March 2025.
5. NPTEL – AICTE Faculty Development Program, Materials Design for Electronic, Electromechanical and Optical Functions, July – October 2025
6. Completed NITTT - Module 1: Orientation towards Technical Education and Curriculum Aspects
7. Completed NITTT - Module 2: Professional Ethics and Sustainability
8. Completed NITTT - Module 3: Communication Skills, Modes and Knowledge Dissemination
9. Completed NITTT - Module 4: Instructional Planning and Delivery
10. Completed NITTT - Module 5: Technology Enabled Learning and Life-Long Self Learning
11. Completed NITTT - Module 6: Student Assessment and Evaluation
12. Completed NITTT - Module 7: Creative problem solving, Innovation and Meaningful R & D
13. Completed NITTT - Module 8: Institutional Management and Administrative Procedures.