

Name: Dr.Arivazhagan T	Photo 			
Designation:	Associate Professor			
Qualification:	M.Sc.,M.Phil.,Ph.D.			
Area of specialization:	Crystal Growth			
Experience:	Industrial Experience		Teaching Experience	
	-		20 years	
Number of workshops / FDP attended:	Number of Workshops		Number of FDPs	
	7		8	
Publications:	Conference		Journal	
	National	International	National	International
	-	-	-	7
Books / Book Chapters	1			
Patents:	National		International	
	3		-	
Professional Body Membership	1.ISTE 2.IAPT 3.IEEE			
Research	Google Scholar ID: Y31b7EwAAAAJ Researcher ID: AAE-3896-2022 Orcid ID: 0000-0002-9578-5159 Scopus ID: 56204215700			
Staff Achievements	1.Anna University recognized Ph.D. supervisor			

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	2000	AGGAC Tindivanam	University of Madras	62	I
PG	M.Sc.	Physics	2003	TBML College Porayar	Bharathidasan University	67	I
	M.Phil.	Physics	2005	Annamalai University	Annamalai University	57	II
Ph.D.	Ph.D.	Physics	2018	SSNCE Kalavakkam	Anna University		

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Periyar Arts College	Lecturer	1.8.2003	31.3.2004	-	7	-
Mahendra Arts & Science College	Lecturer	25.5.2005	25.9.2007	2	4	24
Hindustan University	Assistant Professor	27.9.2007	29.4.2011	3	7	3
Dhanalakshmi College of Engineering	Assistant Professor	5.4.2012	30.12.2014	2	8	26
Sri Sai Ram Institute of Technology	Associate Professor	1.1.2015	30.6.2025	10	6	-
Sri Sai Ram Engineering College	Associate Professor	1.7.2025	Till Date	-	3	-
				20	-	22

Workshops/Seminars attended:

- Participated and successfully completed the online workshop on Universal Human Value on the theme “Inculcating Universal Human Values in Technical Education” during 5-9 October, 2020 as organized by All India Council for Technical Education (AICTE).
- Participated in one day workshop on Funding Opportunities for Innovation and Entrepreneurship Development organized by IIC DSIR, Govt of India and RMK Engineering College on 9th November 2019.
- Participated in two day seminar on “Advanced Materials and Engineering Applications” held at Jeppiaar Engineering College, Chennai on 5th & 6th March 2018.
- Participated in two day seminar on “Emerging Trends in Materials and Technology” held at Jeppiaar Engineering College, Chennai on 27th & 28th July 2017.
- Participated in two day seminar on “Recent Trends in Applied Physics” held at KCG College of Technology, Chennai on 18 & 19th March 2016.
- Participated in one day National workshop on “Recent trends in Material Science” – NWRTMS 2013 at Hindustan University, Chennai on 1st March 2013.
- Participated in international workshop on “Advances in Photonics and Optical Materials” held at SSN College of Engineering, Chennai on 9th - 11th February 2012.

FDP/STTP Attended:

- Participated in ATAL FDP on “Energy Engineering” from 17th September to 21st September 2020 at Velammal Engineering College, Chennai.
- Participated in a FDP on “Entrepreneurship Career Development Program” from 8th April to 12th April 2019 at Sri Sai Ram Institute of Technology, Chennai.
- Participated in a FDP on “Materials characterization” from 20th July to 21st July 2017 at Sri Sai Ram Institute of Technology, Chennai.
- Participated in a Faculty Development Programme on “Entrepreneurship Development” held at Sri Sai Ram Institute of Technology, Chennai from 15th -28th December 2016.
- Participated in a Faculty Development Programme on “Teaching Excellence in Engineering & Management Curriculum” held at Sri Sai Ram Engineering College, Chennai from 20th -21st June 2016.
- Participated in a Faculty Development Programme on “Electromagnetic field theory & Transmission lines” held at Sri Sai Ram Institute of Technology, Chennai from 25th -26th June 2015.
- Participated in a Faculty development training programme on “Engineering Physics II” held at Dhanalakshmi College of Engineering, Chennai from 15th December to 21st December 2012.
- Participated in “Faculty Enrichment Programme” for 4 days at Hindustan Institute of Technology and Science, Chennai in 2010.

Papers presented in International / National Conferences:

1. **Arivazhagan, T & Rajesh, NP** 2014, 'Crystal growth and optical properties of 4,4'-dimethoxybenzoin single crystal for NLO applications', DAE-BRNS sponsored national conference on materials for modern world, Easwari Engineering College, Chennai, 10th-11th September 2014.
2. **Arivazhagan, T & Rajesh, NP** 2016, 'Growth, optical and thermal studies of 4,4'-dimethoxybenzoin single crystal', National conference on advances in applied physics & materials science, Hindustan University, 29th-30th January 2016.
3. **Arivazhagan, T & Rajesh, NP** 2017, 'Growth, thermal and optical studies of butyl 4-hydroxybenzoate single crystal', CSIR sponsored national conference on current trends in advanced materials, Hindustan University, 23rd-24th February, 2017.
4. **Arivazhagan, T & Rajesh, NP** 2018, 'Growth, thermal and optical studies of diphenylmethanol single crystal', National conference on Advances in Condensed Matter Physics, Hindustan University, 2nd March, 2018.

Patents:

1. Published a patent titled "SFM, AFM & Optical absorbance and transmittance analysis of PbPc thin films on Glass and KCl substrate" on 18.3.2022.
2. Published a patent titled "Structural, Optical & Electrical characterization of Nano structured Porous Silicon" on 4.11.2022.
3. Published a patent titled "Optical, Elastic and Acoustical Properties of Porous Silicon and Polymers Treated Porous Silicon" on 29.09.2023.

Journal Publications:

1. **Arivazhagan, T & Rajesh, NP** 2014, 'Investigations on the growth and characterization of nonlinear optical single crystal 4,4'-dimethoxybenzoin by vertical Bridgman technique', Optics & Laser Technology, vol. 64, pp. 156-161, IF- 4.6
2. **Arivazhagan, T, Siva Bala Solanki, S & Rajesh, NP** 2017, 'Growth and characterization of butyl 4-hydroxybenzoate single crystal by vertical Bridgman technique for third order nonlinear optical applications', Optics & Laser Technology, vol. 88, pp. 188-193, IF- 4.6
3. **Arivazhagan, T, Siva Bala Solanki, S & Rajesh, NP** 2018, 'Investigation on crystal growth and characterization of organic nonlinear optical triphenylmethane single crystal by vertical Bridgman technique', Journal of Crystal Growth, vol.496-497, pp. 43-50, IF- 1.7
4. **Arivazhagan, T, Vinitha, G & Rajesh, NP** 2019, 'Growth and characterization of diphenylmethanol single crystal by vertical Bridgman technique for second and third order nonlinear optical applications', Journal of Crystal Growth, vol. 512, pp.181-188, IF- 1.7
5. **Deepa, C, Anbuezhayan, M & Arivazhagan, T** 2021, 'Synthesis, spectroscopic, thermal analysis and quantum chemical calculation of a new third-order nonlinear optical material: N-allylthiourea', Journal of Materials Science: Materials in Electronics, vol. 32, pp.15364-15374, IF: 2.8

6. Ramya, V, Hemamalini Rajagopal, **Arivazhagan, T**, Karrupasamy, P, 2024,' Investigation on growth, structural, spectral, optical, thermal, third order non-linear optical and DFT studies of dibenzoylmethane single crystal for photonic and optoelectronic applications', Journal of Material Science: Materials in Electronics, Vol. 35, pp.2041, IF: 2.8.
7. Parthasarathy V,Babu M D, Kumar P S, **Arivazhagan T**, Sundaresan B 2025, "Advanced PLA biocomposites for tissue engineering and drug delivery applications" Natural Fiber-Reinforced PLA Composites, 251-269.

Books / Book Chapters:

1. Parthasarathy V,Babu M D, Kumar P S, **Arivazhagan T**, Sundaresan B 2025, "Advanced PLA biocomposites for tissue engineering and drug delivery applications" Natural Fiber-Reinforced PLA Composites, 251-269.

Online Courses:

NITTTR

1. Module 1 – Orientation towards Technical education and curriculum aspects.
2. Module 2- Professional Ethics and Sustainable Development.
3. Module 3 – Communication skills, modes and knowledge dissemination.
4. Module 4 – Instructional planning and delivery.
5. Module 5 – Technology enabled learning and lifelong self-learning.
6. Module 6 – Student Assessment and Evaluation.
7. Module 7 – Creative problem solving, Innovation and Meaningful R&D.
8. Module 8 – Institutional Management and Administrative Procedures.

NPTEL

1. Techniques of Material Characterization.
2. Material Science and Engineering.
3. Solar Photovoltaic: Fundamental, Technology and Applications.
4. Semiconductor Optoelectronics.
5. Fundamentals of Electronic Device Fabrication.
6. Non-Conventional Energy Resources