<table>
<tr><td>Name:
Dr.Arivazhagan T</td><td colspan="4">Photo
  </td></tr>
<tr><td>Designation:</td><td colspan="4">Associate Professor</td></tr>
<tr><td>Qualification:</td><td colspan="4">M.Sc.,M.Phil.,Ph.D.</td></tr>
<tr><td>Area of specialization:</td><td colspan="4">Crystal Growth</td></tr>
<tr><td rowspan="2">Experience:</td><td colspan="2">Industrial Experience</td><td colspan="2">Teaching Experience</td></tr>
<tr><td colspan="2">-</td><td colspan="2">20 years</td></tr>
<tr><td rowspan="2">Number of workshops / FDP attended:</td><td colspan="2">Number of Workshops</td><td colspan="2">Number of FDPs</td></tr>
<tr><td colspan="2">7</td><td colspan="2">8</td></tr>
<tr><td rowspan="3">Publications:</td><td colspan="2">Conference</td><td colspan="2">Journal</td></tr>
<tr><td>National</td><td>International</td><td>National</td><td>International</td></tr>
<tr><td>-</td><td>-</td><td>-</td><td>7</td></tr>
<tr><td>Books / Book Chapters</td><td colspan="4">1</td></tr>
<tr><td rowspan="2">Patents:</td><td colspan="2">National</td><td colspan="2">International</td></tr>
<tr><td colspan="2">3</td><td colspan="2">-</td></tr>
<tr><td>Professional Body Membership</td><td colspan="4">1.ISTE 2.IAPT 3.IEEE</td></tr>
<tr><td>Research</td><td colspan="4">Google Scholar ID: Y31b7EwAAAAJ
Researcher ID: AAE-3896-2022
Orcid ID: 0000-0002-9578-5159
Scopus ID: 56204215700</td></tr>
<tr><td>Staff Achievements</td><td colspan="4">1.Anna University recognized Ph.D. supervisor</td></tr>
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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, Anbuchezhiyan, 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