<table>
<tr><td>Name:
Dr.Arivazhagan T</td><td colspan="4">  </td></tr>
<tr><td>AICTE-ID</td><td colspan="4">1-44739213699</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>Industrial Experience</td><td>Postdoctoral Experience</td><td colspan="2">Teaching Experience</td></tr>
<tr><td>-</td><td>-</td><td colspan="2">UG : 20 years 4 months
PG : 2 year 4 months</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">17</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>4</td><td>-</td><td>-</td><td>8</td></tr>
<tr><td>Books / Book Chapters</td><td colspan="4">2</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">Anna University Guideship: 3370039
Google Scholar ID:Y31b7EwAAAAJ
Researcher ID: AAE-3896-2022
Orcid ID: 0000-0002-9578-5159
Scopus ID: 56204215700
VidwanID: 297620</td></tr>
</table>

Staff Achievements	1. Scope member - Internal Exam cell, R&D cell, NIRF, NPSS-IEEE. 2. Physics Board Chairman for the End Semester Examinations. 3. Achieved 100% result in Engineering Physics I & II more than 10 times.

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	AGG Arts & Science College	University of Madras	62	I
PG	M.Sc	Physics	2003	Tranquebar Bishop Manickam Luthern College	Bharathidasan University	67	I
	M.Phil	Physics	2005	Annamalai University	Annamalai University	57	II
Ph.D.	Ph.D.	Physics	2018	Sri Sivasubramaniya Nadar College of Engineering	Anna University	Highly Commented	

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Sai Ram Engineering College	Associate Professor	1.7.2025	Till Date	-	8	-
Sri Sai Ram Institute of Technology	Associate Professor	1.1.2015	30.6.2025	10	6	-
Dhanalakshmi College of Engineering	Assistant Professor	5.4.2012	30.12.2014	2	8	26
Hindustan University	Assistant Professor	27.9.2007	29.4.2011	3	7	3
Mahendra Arts & Science College	Lecturer	25.5.2005	25.9.2007	2	4	1
Periyar Arts College	Lecturer	1.8.2003	31.3.2004	-	7	-
Total				20	4	-

Workshops/Seminars attended:

1. Online workshop on Universal Human Value on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) during 5-9 October, 2020.
2. 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.
3. Two day seminar on "Advanced Materials and Engineering Applications" held at Jeppiaar Engineering College, Chennai on 5th & 6th March 2018.
4. Two day seminar on "Emerging Trends in Materials and Technology" held at Jeppiaar Engineering College, Chennai on 27th & 28th July 2017.
5. Two day seminar on "Recent Trends in Applied Physics" held at KCG College of Technology, Chennai on 18 & 19th March 2016.
6. One day National workshop on "Recent trends in Material Science" – NWRTMS 2013 at Hindustan University, Chennai on 1st March 2013.
7. International workshop on "Advances in Photonics and Optical Materials" held at SSN College of Engineering, Chennai on 9th - 11th February 2012.

FDP/STTP Attended:

1. NPTEL – AICTE FDP on "Physics of Materials" completed on October 2025.
2. NPTEL – AICTE FDP on "Non-conventional Energy Resources" completed on April 2025.
3. NPTEL – AICTE FDP on "Fundamentals of Electronic Device Fabrication" completed on August 2024.
4. PDP on "Energy and Environment Management" conducted by NITTTR, Chennai during 10.6.2024 to 14.6.2024.
5. NPTEL – AICTE FDP on "Theory and Practice of Non Destructive Testing" completed on March 2024.
6. NPTEL – AICTE FDP on "Techniques of Material Characterization" completed on October 2023.
7. NPTEL – AICTE FDP on "Materials Science and Engineering" completed on March 2021.
8. ATAL FDP on "Energy Engineering" from 17th September to 21st September 2020 at Velammal Engineering College, Chennai.
9. NPTEL – AICTE FDP on "Solar Photovoltaics Fundamentals, Technology and Applications" completed on September 2019.
10. NPTEL – AICTE FDP on "Semiconductors Optoelectronics" completed on April 2019.
11. FDP on "Entrepreneurship Career Development Program" at Sri Sai Ram Institute of Technology, Chennai from 8th April to 12th April 2019.
12. FDP on "Materials characterization" at Sri Sai Ram Institute of Technology, Chennai from 20th July to 21st July 2017.

13. FDP on “Entrepreneurship Development” held at Sri Sai Ram Institute of Technology, Chennai from 15th -28th December 2016.
14. FDP on “Teaching Excellence in Engineering & Management Curriculum” held at Sri Sai Ram Engineering College, Chennai from 20th -21st June 2016.
15. FDP on “Electromagnetic field theory & Transmission lines” held at Sri Sai Ram Institute of Technology, Chennai from 25th -26th June 2015.
16. FDP on “Engineering Physics II” held at Dhanalakshmi College of Engineering, Chennai from 15th December to 21st December 2012.
17. 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-24thFebruary, 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.

Resource Person:

1. Resource person in the 2-week Research Internship program organized by the Department of Physics, Sri Sai Ram Institute of Technology on 07.01.25.

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.
8. Gobinath V M, Parthasarathy V, Senthil Kumar P, Arivazhagan T 2025, "Flammability Characteristics of the Silicone Rubber-Based Biocomposites and Bionanocomposites" Flammability Performance of Biocomposites and Bionanocomposites, pp 251-268.

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.
2. Gobinath V M, Parthasarathy V, Senthil Kumar P, **Arivazhagan T** 2025, "Flammability Characteristics of the Silicone Rubber-Based Biocomposites and Bionanocomposites" Flammability Performance of Biocomposites and Bionanocomposites, pp 251-268.

Online Courses:

1. Completed a course on "**Panchayat Administration and Rural Development Schemes**" conducted by the State Institute of Rural Development and Panchayat Raj, Tamil Nadu, on September 2025.

NITTT - AICTE COURSES COMPLETED

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.

All 8 modules has completed on September 2023.

NPTEL– AICTE COURSES COMPLETED

1. 12 weeks course "Semiconductor Optoelectronics" during Jan-Apr 2019.
2. 8 weeks course "Solar Photovoltaic: Fundamental, Technology and Applications" during Jul-Sep 2019.
3. 8 weeks course "Material Science and Engineering" during Jan-Mar 2021.
4. 12 weeks course "Techniques of Material Characterization" during Jul-Oct 2023.
5. 8 weeks course "Theory and Practice of Non Destructive Testing" during Jan-March 2024.
6. 4 weeks course "Fundamentals of Electronic Device Fabrication" during Jul-Aug 2024.
7. 12 weeks course "Non-Conventional Energy Resources" during Jan-Apr 2025.
8. 12 weeks course "Physics of Materials" during Jul-Oct 2025.