



Sri SAI RAM INSTITUTE OF TECHNOLOGY

An ISO 9001 : 2008 Certified Institution

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DEPARTMENT OF PHYSICS

Name : Dr.T.ARIVAZHAGAN
 Designation : Associate Professor
 Email : arivazhagan.phy@sairamit.edu.in
 Qualification : M.Sc.,M.Phil.,Ph.D.
 Specialization : Physics
 Research Interest : Crystal Growth



Experience in years : **Teaching** UG PG **Industry**

No. of Workshop/Conferences/
 FDP attended : Workshop Conferences FDP

No. of Workshop/Conferences/
 FDP Organized : Workshop Conferences FDP

Professional Membership	1. Life member in Indian Association of Physics Teachers, 2. Life member in Indian Society for Technical Education, 3. Member in IEEE
Publications	International Journal : 5
Research Funded Projects	-
Patents	National: 2 (Published)
Achievements	-
Any Other Information	Anna University recognized supervisor to guide Ph.D. scholars

List of 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- 4.939.
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- 4.939.
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- 1.83.
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- 1.83.
5. Deepa, C, Anbuhezhiyan, 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: 2.779.

List of Patent :

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.

Workshop / Conferences / FDP Attended:-

1. FDP on "Orientation Towards Technical Education and Curriculum Aspects" conducted by National Initiative for Technical Teachers Training (AICTE) in March 2023.
2. FDP on "Professional Ethics & Sustainability" conducted by National Initiative for Technical Teachers Training (AICTE) in March 2023.
3. FDP on "Communication Skills, Modes & Knowledge Dissemination" conducted by National Initiative for Technical Teachers Training (AICTE) in August 2022.
4. FDP on "Instructional Planning and Delivery" conducted by National Initiative for Technical Teachers Training (AICTE) in August 2022.
5. FDP on "Technology Enabled Learning & Life Long Self Learning" conducted by National Initiative for Technical Teachers Training (AICTE) in August 2022
6. FDP on "Student Assessment and Evaluation" conducted by National Initiative for Technical Teachers Training (AICTE) in March 2023.

7. FDP on “Creative Problem Solving , Innovation and Meaningful R & D” conducted by National Initiative for Technical Teachers Training (AICTE) in October 2021.
8. 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).
9. ATAL FDP on “Energy Engineering” from 17th September to 21st September 2020 at Velammal Engineering College, Chennai.
10. Workshop on Funding Opportunities for Innovation and Entrepreneurship Development organized by IIC DSIR, Govt of India and RMK Engineering College on 9th November 2019.
11. FDP on “Solar Photovoltaic Fundamentals, Technology and Applications” conducted by NPTEL (AICTE) on September 2019.
12. FDP on “Semiconductor Optoelectronics” conducted by NPTEL (AICTE) on April 2019.
13. FDP on “Entrepreneurship Career Development Program” from 8th April to 12th April 2019 at Sri Sai Ram Institute of Technology, Chennai.
14. Seminar on “Advanced Materials and Engineering Applications” held at Jeppiaar Engineering College, Chennai on 5th & 6th March 2018.
15. Seminar on “Emerging Trends in Materials and Technology” held at Jeppiaar Engineering College, Chennai on 27th & 28th July 2017.
16. FDP on “Materials characterization” from 20th July to 21st July 2017 at Sri Sai Ram Institute of Technology, Chennai.
17. FDP on “Entrepreneurship Development” held at Sri Sai Ram Institute of Technology, Chennai from 15th -28th December 2016.
18. FDP on “Teaching Excellence in Engineering & Management Curriculum” held at Sri Sai Ram Engineering College, Chennai from 20th -21st June 2016.
19. Seminar on “Recent Trends in Applied Physics” held at KCG College of Technology, Chennai on 18 & 19th March 2016.
20. FDP on “Electromagnetic field theory & Transmission lines” held at Sri Sai Ram Institute of Technology, Chennai from 25th -26th June 2015.
21. National workshop on “Recent trends in Material Science” – NWRMS 2013 at Hindustan University, Chennai on 1st March 2013.
22. FDP on “Engineering Physics II” held at Dhanalakshmi College of Engineering, Chennai from 15th December to 21st December 2012.
23. Workshop on “Advances in Photonics and Optical Materials” held at SSN College of Engineering, Chennai on 9th - 11th February 2012.

24. Faculty Enrichment Program for 4 days at Hindustan Institute of Technology and Science, Chennai in 2010.

Workshop / Conferences / FDP Organized:-

1. Organized 11th National Level Technical Symposium “SIT-SCIHUM-19” at Sri Sai Ram Institute of Technology, Chennai on 28th February 2019.