

**SRI SANKARA ARTS & SCIENCE COLLEGE**

**ENATHUR, KANCHIPURAM**

**STAFF PROFILE**

**DEPARTMENT OF PHYSICS**

<b>1.</b>	Name of the Staff	Dr. PURUSOTHMAN R
<b>2.</b>	Designation	ASSISTANT PROFESSOR
<b>3.</b>	Date of Joining	10.06.2024
<b>4.</b>	Mobile Number	9566687903
<b>5.</b>	E-Mail ID	<a href="mailto:puruso1987@gmail.com">puruso1987@gmail.com</a>
<b>6.</b>	Nationality	INDIAN
<b>7.</b>	Academic Qualification	M.Sc., B.Ed., Ph.D.
<b>8.</b>	Field of Specialization	Nonlinear Optics Crystal Growth Nano material
<b>9.</b>	Ph.D Thesis Title	Studies on Growth and Physico-Chemical Properties of Organic, Semi-organic and Inorganic Non Linear Optical Single Crystals”
	Awarding University, Year of Award.	ANNA UNIVRSITY, JAN 2019

**10. Work Experience (in chronological order):**

S.No.	Name of the Institution	Designation	Period
1	Sir Theagaraya College (Shift-II), Chennai- 600021	Assistant Professor	July2019 – June 2021
2	ES Arts & Science College (Co-Ed), Villupuram - 605401	Assistant Professor	Sep 2021 – January 2023
3	Lakshmi Bangaru Arts & Science College, Melmaruvathur – 603319	Assistant Professor	Nine months (Jan 23 2023 – June 2 2024)
4	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Assistant Professor	June 10 2024- Continue

**11. Publications:**

S.No.	Title	Journal	Pages
1	A comparative analysis on optical, photo luminescence and laser damage properties of conventional and uniaxial method grown semi organic nonlinear optical material– sodium potassium tartrate tetrahydrate	Materials research innovations 23(2019)172-181. (Taylor& Francis)	126, 172-181
2	Characterization of organic NLO material: Clobetasol propionate	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	145, 235–238
3	A study on NLO, Ultraviolet Transparency, Photoconductivity and Dielectric Response of Organic Single Crystal	Journal of Materials Science: Materials in Electronics	
4	Studies on optical, electrical, mechanical and theoretical investigation of 4-nitro- benzoic acid (3-ethoxy-2-hydroxy-benzylidene)-hydrazide: A novel Schiff base organic NLO material	Journal of Molecular Structure. (Elsevier)	1181, 348-359
5	Synthesis, crystal growth, thermal and laser damage threshold properties of new Schiff base NLO material 4-Nitro-benzoic acid (3-ethoxy-2-hydroxy-benzylidene)-hydrazide	Materials Letters. (Elsevier)	232, 113-117

<b>6</b>	A novel Mannich base organic NLO crystal for the analysis of electro-optic applications	Journal of Materials Science Materials in Electronics (Springer)	28,7802–7810
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## 12. Awards / Distinction :Nil

<b>S.No.</b>	<b>Name of the Award</b>	<b>Venue</b>	<b>Period</b>

## 13. Membership in Professional Bodies:Nil

<b>S.No.</b>	<b>Name of the Membership</b>	<b>Venue</b>	<b>Period</b>

## 14. Seminars Conferences organized /Participation:

<b>S.No.</b>	<b>Program Attended</b>	<b>Place</b>	<b>Organized/ Participated</b>	<b>Period</b>
1	International Conference on Materials for Sustainable Future (ICMSF-2016)	Sastra University, Thanjavur	Participated	July 14-15 2016.
2	National conference on XVII National Seminar on Crystal Growth (XVII-NSCG-2013)	Anna University, Department of Physics, Chennai-600025	Participated	January 9-11 2013
3	National conference on XVIII National Seminar on Crystal Growth held at Centre for Crystal Growth (XVIII -NSCG-2014)	SSN College of Engineering, Chennai	Participated	February 24- 26, 2014

4	National Conference on Preparation and Characterization of Crystalline materials (NCPCCM'16)	Government Arts College, Thiruvannamalai	Participated	August 04 -05, 2016
5	National Conference on Crystal Growth and Applications (XXII NSCGA-2018)	Sacred Heart College (Autonomous), Tirupattur, Vellore Dt. Tamilnadu,	Participated	January 29-31, 2018

**15. Participated as Resource Person: NIL**

S.No.	Program	Venue	Period

**16. Workshop & Training Programmes:**

S.No.	Programe	Venue	Period
1	Faculty Development Program on <b>TEQIP –II &amp; SPFU Tamilnadu</b> Sponsored “Research Methodology	Anna University, BIT Campus	<b>30-Mar-2017</b>
3	One Day Lecture Workshop on “ <b>Instrumentation Techniques</b> ” (ODLWIT-2017)	Mother Teresa Woman’s University, Kodaikanal	<b>20-Mar-2017</b>

**17. Projects Completed:**

<b>S.No.</b>	<b>Name of the Projects</b>	<b>Period</b>	<b>Grant Received/Status</b>
1	Steroid Crystal and its NLO Application” for Nehru Civic Charitable Trust (Registered NGO) Nehru Arts and Science College, Thirumalayampalayam, Coimbatore, Tamil Nadu-641105 (December 2022 - May 2023).	Six months	Completed

**18. Any other Details: NIL**