


Sri Sai Ram Engineering College
Department Of Humanities And Sciences

<p><i>Name :</i> Dr. S. SATHIYAMOORTHY</p>	
<p><i>Designation :</i></p>	<p><i>Associate Professor</i></p>
<p><i>Qualification :</i></p>	<p><i>M.Sc., M.Phil., B.Ed., Ph.D.</i></p>
<p><i>Area of Specialisation</i></p>	<p><i>Crystal growth and Crystallography</i></p>
<p><i>Experience :</i></p>	<p><i>Teaching : UG : 26 yrs 4 months</i> <i>PG : Nil</i></p>
<p></p>	<p><i>Industry Nil</i></p>
<p><i>No. of Workshop / Conferences/ FDP attended</i></p>	<p><i>13</i></p>
<p><i>Publication :</i></p>	<p><i>Journal</i> <i>National :1</i> <i>International : 8</i></p>
<p></p>	<p><i>Conference</i> <i>National : Nil</i> <i>International : 3</i></p>
<p><i>Research Guidance :</i></p>	<p><i>Nil</i></p>
<p><i>General :</i></p>	<p><i>Nil</i></p>

<i>Staff Achievements :</i>	<p><i>Best paper presentation in third International virtual Conference on “Recent trends in clean Technologies for sustainable environment organised by SSN college on 15 - 16th sep 2022.</i></p> <p><i>Best Oral Presentation “Second Prize” in International Conference on 4 -5th Jan 2018.</i></p> <p><i>Organizing Secretary in International Conference on Modern Functional Materials – ICMFM 2021.</i></p> <p><i>Session chair for Technical Events in International Conference on Modern Functional Materials – ICMFM 2021.</i></p>
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Educational Qualification:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
<i>UG</i>	<i>B.Sc.,</i>	<i>Physics</i>	<i>1993</i>	<i>AAGAC Cheyyar</i>	<i>University of Madras</i>	<i>62.52%</i>	<i>I</i>
<i>PG</i>	<i>M.Sc.,</i>	<i>Physics</i>	<i>1996</i>	<i>Pachaiyappa's College for men, Kanchipuram</i>	<i>University of Madras</i>	<i>62.25%</i>	<i>I</i>
	<i>M.Phil.,</i>	<i>Physics</i>	<i>1998</i>	<i>-</i>	<i>Anna University</i>	<i>64%</i>	<i>I</i>
<i>Ph.D.</i>	<i>-</i>	<i>Physics</i>	<i>2019</i>		<i>Anna University</i>		

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Muthukumaran Institute of Technology	Senior Lecturer	16.10.1997	05.05.2008	10	6	21
Sri SaiRam Engineering College	Senior Lecturer	02.06.2008	31.7.2012	4	1	29
Sri SaiRam Engineering College	Assistant Professor	1.8.2012	31.7.2016	3	11	31
Sri SaiRam Engineering College	Associate Professor	1.8.2016	Till Date	7	6	16
Total				26	3	7

PUBLICATIONS

Journals:

1. Jesby George, A.K.Thomas, D.Sajan, S.Sathiyamoorthi, P.Srinivasan, Nithin Joy, RejiPhilip (2020) "Experimental and DFT/TD-DFT approach on photo-physical and NLO properties of 2, 6-bis (4-Chlorobenzylidene) cyclohexanone" *Optical Materials* Vol 100, 109620.
2. S. Sathiyamoorthi and P. Srinivasan (2018) "Synthesis, spectral, thermal, optical and dielectric studies of new arylidene NLO crystal: 2,6 - Bis (2,6-dichloro benzylidene) cyclohexanone" *Materials Research Innovations*, Vol. 23, No. 6, 354-358.
3. S. Sathiamurthi and P.Srinivasan "Synthesis, growth, spectral, optical, thermal, dielectric and nonlinear optical studies on new arylidene crystal: 2,6-difurfurylidene cyclohexanone" *JCPS Volume 9, Issue 2, April - June 2016*, 1017-1020.
4. S. Sathiya Moorthi, K. Chinnakali, S. Nanjundan, S. Radhakrishnan and Hoong-Kun Fun "3-(3-Bromophenyl)-1-(2-naphthyl)prop-2-en-1-one" *Acta Cryst.* (2007). E63, o692-o694.
5. S. Sathiya Moorthi, K. Chinnakali S. Nanjundan, R. Balaji and Hoong-Kun Fun "3-(4-Methylphenyl)-1-(2-naphthyl)prop-2-en-1-one" *Acta Cryst.* (2005). E61, o3885-o3887.
6. S. Sathiya Moorthi K.Chinnakali, S. Nanjundan R. Santhi and Hoong-Kun Fun "1-(4-Aminophenyl)-3-(3-bromophenyl)prop-2-en-1-one" *Acta Cryst.* (2005). E61, o3514-o3516.
7. S. Sathiya Moorthi, K. Chinnakali, S. Nanjundan, P. Selvam, Hoong-Kun Fun and Xiao-Lan Yu "3-(3-Hydroxyphenyl)-1-(4-methoxyphenyl)-prop-2-en-1-one" *Acta Cryst.* (2005). E61, o743-o745.

8. S. Sathiya Moorthi, K.Chinnakali, S. Nanjundan, C. Sreekuttan Unnithan, Hoong-Kun Fun and Xiao-Lan Yu "1-(4-Bromophenyl)-3-(3-hydroxyphenyl)-prop-2-en-1-one" *Acta Cryst.* (2005). E61, o483 -o485.
9. S. Sathiya Moorthi, K. Chinnakali, S. Nanjundan, R. Radhika, Hoong-Kun Fun and Xiao-Lan Yu "1-(4-Hydroxyphenyl)-3-(4-methoxyphenyl)-prop-2-en-1-one" *Acta Cryst.* (2005). E61, o480 - o482.

Conferences:

- "Synthesis, molecular docking, quantum mechanical calculation and anticancer activities of some curcumin analogues : 2,6-(Difurfurylidene) cyclohexanone and 2,6-Bis(2,6-Dichloro Benzylidene) cyclohexanone" 3rd Virtual conference on Recent Trends in Clean Technologies for sustainable Environment (CTSE 2022) organised by Center of Excellence in Water Research, Sri Sivasubramaniya Nadar College of Engineering, Chennai on September 15th & 16th, 2022.
- "Interaction Behaviour of cyclohexanone derivatives: Density functional theory, Molecular docking and in-vitro cytotoxicity for anti-cancer activity" 2nd Virtual conference on Hierarchically Structured Materials (ICHSM 2022) organised by Department of Physics, SRM Institute of Science and Technology, Ramapuram Campus, Chennai on March 24th & 25th, 2022
- "Synthesis, growth, spectral, structural, optical, thermal, dielectric and nonlinear optical studies of new arylidene crystal: 2,6 - Bis (2,3-Dimethoxy benzylidene) cyclohexanone" International Conference on Recent Trends in Engineering Materials and Renewable Energy (ICEMRE-2018) held on January 04 & 05, 2018 at Anna University - Villupuram Campus, Villupuram.

Workshops:

1. Attended Workshop on "MicroFabrication and Nano Technology" from 23rd to 25th September 2010, organized by Shridi Sai Engineering College, Anekal, Bengaluru
2. Attended National level workshop on "Revealing the advances in Material science" at Sri Sairam Institute of Technology, Chennai held on 19th and 20th July 2016.

3. *Attended International level workshop on "Smart Material Sensor and Energy Device, SMSED-2020", from 25th to 30th May 2020, organized by the Department of Electronics and Communication Engineering of SSN College of Engineering, Kalavakkam, Chennai.*

FDP:

1. *Attended Staff Development Programme on "Recent developments in computing" at Sri Sai Ram Engineering College, Chennai.*
2. *Attended the Faculty development and training programme on 'Student Induction Programme' at CEG, Anna University, Chennai on 13.05.2019 to 15.05.2019.*
3. *Attended the Faculty development and training programme on 'Student Induction Programme' at CEG, Anna University, Chennai on 10.06.2019 to 16.06.2019.*
4. *Attended the faculty development programme on "Design of Nanoelectronics and Nanophotonic Devices Using Advanced Software Tools" (DONEPAST-2020) held from 26.04.2021 to 08.05.2021 through Online mode, organised by the Dept. of Electronics & Communication Engineering, GITA Autonomous College, Bhubaneswar, Odisha, India*
5. *Attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Novel Materials and their Applications" from 19.07.2021 to 23.07.2021 at Maharaja Ranjit Singh Punjab Technical University, Bathinda.*
6. *Attended IP awareness program under "National Intellectual Property Awareness Mission" on 19.9.2022 conducted by Prince Sri Venkateswara Padmavathy college of Engineering, Chennai.*
7. *Attended the Virtual Faculty development programme on "Recent advances in Chemical Sciences"organised by K.S.R College of Arts and Science for women, Thiruchengode, during 27.11.23 to 1.12.23.*

SEMINAR:

1. *Attended National seminar on "Innovative Nano Materials and its Applications" held on 14.10.2022 at Department of Physics, SIMATS school of Engineering, Chennai 602105.*

ONLINE COURSE:

1. *Obtained course certificate from UC Davis on "Materials Science: 10 Things Every Engineer Should Know" from Coursera on 27.6.2020.*
2. *Obtained course certificate from University of Virginia on "How Things Work: An Introduction to Physics" from Coursera on 20.6.2020.*
3. *Obtained course certificate from Pohang University of Science and Technology on "Ferrous Technology I" from Coursera on 28.6.2020.*

4. *Obtained course certificate from University of Manchester on "Introduction to Molecular Spectroscopy" from Coursera on 7.4.2020.*
5. *Obtained course certificate from Ecole Polytechnique on "Plastic electronics" from Coursera on 14.6.2020.*
6. *Obtained course certificate from University of Colorado on "Quantum Mechanics" from Coursera on 20.6.2020.*
7. *Obtained course certificate from Pohang University of Science and Technology on "Ferrous Technology II" from Coursera on 28.6.2020.*
8. *Obtained course certificate from KAIST on "Electrodynamics: An Introduction" from Coursera on 12.5.2020.*
9. *Obtained course certificate from Technical University of Denmark on "Organic Solar Cells - Theory and Practice" from Coursera on 10.5.2020.*

Honours

1. **"Best Paper Presentation award"** for the research work entitled *"Synthesis, molecular docking, quantum mechanical calculation and anticancer activities of some curcumin analogues : 2,6-(Difurfurylidene) cyclohexanone and 2,6-Bis(2,6-Dichloro Benzylidene).cyclohexanone"* presented at 3rd Virtual conference on Recent Trends in Clean Technologies for sustainable Environment (CTSE 2022) organised by Center of Excellence in Water Research, Sri Sivasubramaniya Nadar College of Engineering, Chennai on September 15th & 16th, 2022.
2. **"Second Prize in oral Presentation"** for the research work entitled *"Synthesis, growth, spectral, structural, optical, thermal, dielectric and nonlinear optical studies of new arylidene crystal: 2,6 - Bis (2,3-Dimethoxy benzylidene) cyclohexanone"* International Conference on Recent Trends in Engineering Materials and Renewable Energy (ICEMRE-2018) held on January 04 & 05, 2018 at Anna University - Villupuram Campus, Villupuram.