

**CAUVERY COLLEGE FOR WOMEN**  
**(AUTONOMOUS)**  
**STAFF PROFILE**

**PERSONAL INFORMATION**

**1. Name** : Dr.S.Priya  
**2. Date of Birth** : 28.04.1986  
**3. Address** :

<b>Residential</b>	<b>Office</b>
1/208 G 2 <sup>nd</sup> cross Vasan city Somarasam pettai Trichy  E-Mail : priyaammu86@gmail.com Mobile Number : 9942219863	1/208 G 2 <sup>nd</sup> cross Vasan city Somarasam pettai Trichy  E-Mail : priyaammu86@gmail.com Mobile Number : 9942219863

**ACADEMIC INFORMATION**

**4. Designation & Department:** Assistant Professor of Physics

**5. Educational Qualification :**

<b>Degree</b>	<b>Year</b>	<b>College/University</b>
Ph.D	2023	Bharathidasan University, Trichy-24
M.PHIL	2009	Nehru Memorial College Puthanampati.
M.SC	2008	Cauvery College for women Trichy.

**6. Experience** :

<b>Date of Joining</b>	<b>Institution</b>	<b>Year of Experience</b>
15.7.2009	Cauvery college for women (Autonomus)	14 years

**7. Areas of Specialization** : Crystal Growth

**8. Languages known : Tamil and English**

**9. Subjects Taught :**

<b>UG</b>	<ol style="list-style-type: none"><li><b>1. Mechanics and relativity</b></li><li><b>2. Applied physics-</b></li><li><b>I 3. Applied physics-III</b></li><li><b>4. Digital electronics and Microprocessor</b></li><li><b>5. Wave mechanics and relativity</b></li><li><b>6. Optics and spectroscopy</b></li><li><b>7. Value Education</b></li><li><b>8. Atomic and Molecular Physics</b></li><li><b>9. Electricity, Magnetism and Electromagnetism</b></li><li><b>10. Elements of Theoretical Physics</b></li><li><b>11. Thermal Physics and Statistical Mechanics</b></li><li><b>12. Environmental Studies</b></li><li><b>13. Opto Electronics and Fibre optic communication</b></li></ol>
<b>PG</b>	<ol style="list-style-type: none"><li><b>1. Nuclear and particle physics</b></li><li><b>2. Numerical methods</b></li><li><b>3. Statistical mechanics</b></li><li><b>4. Electronics</b></li><li><b>5. Introduction to Nano Science and Nano Technology</b></li><li><b>6. Mathematical Physics</b></li><li><b>7. Quantum Mechanics</b></li><li><b>8. Non Linear Optics</b></li><li><b>9. Solid State Physics</b></li></ol>

### 10. Details of Publications:

Journal Name & Volume	Year of Publication	ISBN Number	Name of the Paper	Impact Factor
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	Jan 2012	1386-1425	Synthesis, structural elucidation and spectroscopic analysis of 3a,8b-dihydroxy-4-oxo-1H,2H,3H,3aH,4H,8bH-indeno[1,2-d]imidazolidin-2-iminium chloride	<b>2.244</b>
Acta Crystallographica Section E	May 2012	2056-9890	Resorcinol ninhydrin complex: 1,5,9-trihydroxy-8-oxatetracyclo [7.7.0.0.0] hexadeca-2,4,6,10 (15), 11,13-hexaen-16-one	<b>.347</b>
Acta Crystallographica Section E	May 2012	2056-9890	4-[(E)-(Hydroxyimino)methyl]-N,N-dimethylanilinium Chloride	<b>.347</b>
<u>Spectrochimica Acta Part A</u> <u>Molecular and Biomolecular Spectroscopy</u>	February 2015	-	Growth, structure, spectral and optical properties of Semiorganic crystal: Pyridine-1-ium-2-carboxylatehydrogenbromide	<b>2.333</b>
Computational and Theoretical Chemistry	June 2021	-	<i>Computational</i> Molecular Structure Analysis, Electronic Properties (HOMO-LUMO, MEP), Hirshfeld Surface Analysis and Third Order Nonlinear Optical Profiling of Ninhydrin Derivatives with Z-Scan Studies	<b>1.926</b>

### 11. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
------	-----------	---------------------	------------

23-24 <sup>th</sup> Jan, 2013	Cauvery college For Women	National Seminar on Current Trends in Material Science and Nano Structured Materials (CTMN- 2013)	Synthesis, structural elucidation and spectroscopic analysis of 3a,8b-dihydroxy-4- oxo- 1H,2H,3H,3aH,4H,8bH- indeno[1,2- d]imidazolidin-2- iminium chloride <b>ORAL Presentation</b>
----------------------------------	------------------------------	--	---

15.02.2017	Jamal Mohamad college - Trichy	National conference On "Recent Advancements in Materials" (NLS-RAM:17)	Key Features of Violet Dye Doped DSPH Crystal by Slow Evaporation Method. <b>ORAL Presentation</b>
22.03.2018	Pg & Research Department of Physics, National College (A) Trichy	UGC & TNSCST Sponsored International conference on Recent Advances in Materials (ICRAM – 2018)	Studies on Growth and characterization of Zinc II with Picolinic acid (ZCPA) a Non linear Optical Crystal <b>ORAL Presentation</b>
24.02.2018	Thiruvalluvar university college of Arts and Science, Thennangur, Vandavasi.	BRNS, Mumbai and TNSCST, Sponsored National Conference on Recent Advances in Materials (NCRAM-2018)	Growth and Optical, Mechanical studies on Picolinic acid doped KDP crystal <b>ORAL Presentation</b>

## 12. Details of Seminars / Conferences / Workshops Attended:

Year & Date	Organizer	Title	National / International
04.02.2008-05.02.2008	Trichy	Frontier Topics in Physics	National Seminar
08.10.2010- 9.10.2010	Anna University Chennai	(Padiga valarchi ariviyalthozhilnut pa karutharangu)	National Level
07.08.2014- 9.4.2014	National College Trichy	Recent Trends in Crystal Growth and Nano Science	UGC Sponsored National Seminar
03.05.2020	Cauvery College for Women (Autonomous)	How Nanoscience and Technology inspired from Nature and Transforming the world	International
04.05.2020	Dept of Chemistry, Cauvery College for Women (Autonomous)	Chemistry Behind MRI Contrast Agents	International

05.05.2020 - 08.05.2020	Conceptual and Applied Physics	Department of Physics, School Of Science, RK University and Department of Nanoscience & Advanced Materials, Saurashtra	National
-------------------------	--------------------------------	--	----------

		a University ,Rajkot	
05.05.2020	Thin Film Overview	Dr. Mani, BIT (Anna University ) Trichy	National
27.7.2021	“Energy Harvesting and Future Vehicles”	Shri Pancham khemraj Mahavidyalaya, sawantwadi mumbai	National

**13. Details of Orientation / Refresher Course Attended:**

<b>Date</b>	<b>Title of the Course</b>	<b>Organizer</b>
08.05.2012 – 04.06.2012	UGC Sponsored orientation program	Bharathidasan University

**14. Details of Incharge / Participation in Extracurricular Activities :**

**( NSS, NCC, Sports, Games, Voluntary Association and Cultural Activities):**

<b>Nature of Activity</b>	<b>Period of Incharge</b>
<b>Place Coordinator in Department</b>	<b>2010-2012</b>

**15. Any other information if any: MINOR RESEARCH PROJECT**

<b>S. No.</b>	<b>Title of the Project</b>	<b>YEAR</b>	<b>Name of the Funding Organisation</b>	<b>Nature OF Activity</b>	<b>Amount Sanctioned</b>
1	Picolinic Acid Derivative For NLO Application	2014	<b>University Grant Commission (UGC)</b>  Sanction MRP - 5196/14 (SERO/UGC)	Individual project	130000