CAUVERY COLLEGE FOR WOMEN

(AUTONOMOUS)

STAFF PROFILE

PERSONAL INFORMATION

1. Name **:** J.AARTHI

2. Date of Birth **:** 15.06.1994

3. Address **:**

Residential	Office
3/59, MIDDLE STEET, AMIRATHARAYANALLUR, SEERATHOPPU(POST), TRICHY-620102	CAUVERY COLLEGE FOR WOMEN, ANNAMALAI NAGAR, TRICHY – 620018

ACADEMIC INFORMATION

4. Designation & Department: ASSISTANT PROFESSOR, DEPT. OF PHYSICS

5. Educational Qualification :

Degree	Year	College/University
M.Phil	2017	Seethalakshmi Ramaswami College
M.Sc	2016	Seethalakshmi Ramaswami College
B.Sc	2014	Seethalakshmi Ramaswami College

6. Researcher ID:

Google Scholar: https://scholar.google.co.in/citations?user=LETz2IsAAAAJ&hl=en

Scopus: https://www.scopus.com/authid/detail.uri?authorId=57201731791

ORCID ID: https://orcid.org/0000-0001-9369-0618

Web of Science: AAG-2229-2019

7. Experience **:**

Date of Joining	Institution	Year of Experience
01.10.2017	Cauvery College For Women	4 YR 4 MON

8. Areas of Specialization **:** Crystal Growth, Nonlinear optics, Metal Oxide Nanomaterials.

9. Languages known : TAMIL, ENGLISH

10. Subjects Taught :

UG	Thermal Physics, Allied Physics II, Allied Physics I, Applied Physics III, Microprocessor and Programming in C, Mechanics, Environmental Studies, Value Education, Electricity, Magnetism &Electromagnetism, Thermal Physics, Material Science, Electronics, Analog Electronics, Theoretical Physics, Cell Phone Servicing, Communication Physics, Medical Physics
PG	Quantum Mechanics

11. Details of Publications:

Journal Name & Volume	Year of Publication	ISBN Number	Name of the Paper	Impact Factor
Mechanics and Mechanical Engineering & 22	2018	-	Effect of dicarboxylic acid dopant on Adp crystal by slow evaporation technique	-
Journal of Molecular Structure & 1181	2018	-	A new metal-organic hybrid crystal with excellent transparency in the visible spectrum: Growth, structure and properties of sodium fumarate – Boric acid tetrahydrate	2.01
Bulletin of material Science	2020	-	A remarkable enhancement between optical transparency and SHG efficiency on doped KHP Single crystals	1.264
Results in Materials	2020	-	Growth, spectral, dielectric, magnetic and antimicrobial studies on dye doped Rochelle salt crystal	-

12. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
6-8th March 2017	PG and Research department of Physics,National College	21st National Seminar onCrystal Growth and Applications (NSCGA-2017)	Growth and Characterization of dicarboxylic acid doped ADP crystal
28th and 29thMarch 2017	K. Ramakrishnan College of Technology	International Conference onNewer Engineering Concepts & Technology- 2K17	Effect of dicarboxylic acid dopant on ADP crystal by slow evaporation method

4-6 February 2019	PG and Research department of Physics,National College	International Conference onRecent Advances in Materials Science (ICRAMS-2019)	Growth and Characterization of Potassium cobalt hydrogen Phthalate single crystals
26-27 April 2021	Department of Physics and Chemistry Sri Ramakrishna Mission Vidyalaya College of Arts & Science	A two day International Virtual Conference on Advanced Materials for Emerging Technologies (ICAMET-21)	Synthesis and Characterization of $SrMoO_4$ nanoparticles by Co precipitation method
25-26 March 2022	PG Department of Physics, Srinivasan College of Arts and Science	International Conference on Advanced Materials and its Applications (ICAMA-2022)	Green synthesis of magnesium Nanoparticles using biowaste of peanut shell by auto combustion technique

13. Details of Seminars / Conferences / Workshops / FDP Attended:

Year & Date	Organizer	Title	National / International	Topic
2017 & 05.10.2017-06.10.2017	PG and Research department of Physics, Srimad Andavan Arts and Science College	Hands-On Workshop on Powder X-ray diffraction DataAnalysis	-	-
2019& 05.06.2019-10.06.2019	Cauvery College for women in collaboration with Department of Educational Technology, Bharathidasan University	Capacity Building Workshop on e-Content Development	-	Nuclear fission &Nuclear Fusion
2019 & 26.9.2019-27.9.2019	Cauvery College for women jointly organized with Patent Information Centre, TNSCST, Govt of Tamil Nadu	Intellectual Property Rights	State Level	-

2019 & 29.4.2020-30.4.2020	Teaching Learning Centre, Coimbatore Institute of Technology, Coimbatore.	Two day FDP onVirtual Teaching	-	
2020 & 29.02.2020	UGC sponsored one day National Technical Workshop under NSQF with Seethalakshmi Ramaswami College, Trichy.	Maintenance of Electrical& Electronic Equipments	National	-
2020& 25.5.20- 30.5.20	Department of Electronics and Communication Engineering SSN College of Engineering, Chennai.	Smart Materials Sensor and Devices (SMSED-2020)	International	-
2020&1.6.2020-2.6.2020	Centre of Nano Science and Nanotechnology , Sathyabama Institute of Science and Technology, Chennai.	International Virtual Seminar on Emerging Technologies in Energy Conversion and Storage	International	-
2020& 4.6.2020-5.6.2020	Malla Reddy Institute of Engineering and Technology, Hydrabad	Two Day online National level FDP on Virtual Physics Lab	National	
2020& 6.6.2020-10.6.2020	Department of Computer Science, Mannar Thirumalai Naicker College, Madurai, in association with Spoken Tutorial Project, IIT Bombay	Online FDP on MOODLE LMS	-	-
2020& 8.6.2020-10.6.2020	Department of Physics, Dr. MGR Educational and Research Institute, Chennai.	A three days National level E-Workshop on Physics Experiments through virtual labs	National	-

2020& 15.6.20- 19.6.20	Department of MCA, Calcutta Institute of Technology, West Bengal in association with Spoken Tutorial, IIT Bombay	National Level one Week online FDP on LATEX and XFIG	National	-
2021 14.5.2021-15.5.2021	KAIST, Daejeon, South Korea & Vellore Institute of Technology, Chennai, India	2nd Indo-Korea Virtual Conference on Development of Advanced Materials for Future Technologies (DAMFT-2021)	International	-

14. Details of Orientation / Refresher Course Attended:

Date	Title of the Course	Organizer
2011-2012	UGC Sponsored Carrer Oriented Course on Decorative Arts	Department of Home science, Seethalakshmi Ramaswami College.

15. Details of Study Materials / Books written and published:

S.No	Book Chapter title	ISBN Number	Publisher	Year
1.	Crystal Growth and Characterization	978-81-955933-8-5	Kolkatapress	2022

16. Administrative Positions held in the College:

Nature of Position	Year
Department Placement In-charge	2019- 2021

17. Any other information if any:

- ✓ Successfully completed the **Swayam NPTEL Online Course** on '**Solid State Physics'** offered by Indian Institute of Technology, Kharagpur.
- ✓ Successfully completed the **Swayam MOOC Course** on Academic Writing offered by UGC with H.N.B. Garhwal University, Uttarakhand.
- ✓ Successfully completed a **Mendeley Traning Course (Online)** offered by Shiva Institute of Pharmacy, Bilaspur, India in association with Elsevier.

- ✓ Successfully completed the online course on **Learning Physics through simple Experiments** offered by Indian Institute of Technology, Kanpur.
- ✓ Successfully Completed a OERu's free micro-course, **Open education, copyright, andopen licensing in a digital world** (LiDA103).
- ✓ Successfully Completed the **Swayam NPTEL Course with Elite + Silver** on A brief Course Superconductivity by Indian Institute of Technology, Guwahati.
- ✓ **Best Presentation Award** - International Conference on Advanced Materials and its Applications (ICAMA-2022), PG Department of Physics, Srinivasan College of Arts and Science, Perambalur.
- ✓ **Ongoing Seed money Grant** titled on Synthesis and Characterization of Bimetallic oxide based nanocomposites funded by Cauvery College for Women