

CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS)

STAFF PROFILE

PERSONAL INFORMATION

1. Name : Dr.N.MANOPRADHA

2. Date of Birth : 30.08.1989

3. Address :

Residential	Office
No.24, 3 rd cross, RMS colony, Karumandapam, Trichy – 620 001	Cauvery College for Women (Autonomous) , Annamalai Nagar, Trichy – 620 018

ACADEMIC INFORMATION

4. Designation & Department: Assistant Professor, PG & Research Department of Physics

5. Educational Qualification:

Degree	Year	College/University
Ph.D	2022	Government Arts College, Ariyalur
M.Phil	2013	Nehru Memorial College, Trichy
M.Sc	2011	Jamal Mohamed College, Trichy
B.Sc	2009	Cauvery College for Women, Trichy

6. Researcher ID:

Google scholar ID	aQLgRJAAAAAJ
Scopus ID	57210150799
Web of science researcher ID	AAC-9852-2020
Orcid ID	0000-0001-5365-2975
Vidwan ID	205883
Mendeley	https://www.mendeley.com/search/?page=1&query=manopradha&sortBy=relevance
Publons	https://publons.com/researcher/3363873/manopradha-nagarajan/

7. Experience:

Date of Joining	Institution	Year of Experience
01.07.2011 - 20.04.2013	Cauvery College For Women (Autonomous)	2 Years
23.06.2014		9 Years

8. Areas of Specialization: Crystal Growth and Spectroscopy

9. Languages known: Tamil, English, Hindi

10. Subjects Taught:

UG	Thermal and Statistical Physics Allied Physics II SBE – MS Word SBE – RDBMS & Internet Concepts SBE-Office management tools Applied Physics I & III Atomic and Molecular Physics Analog Electronics Microprocessor & Digital Communication Value Education Programming in C Properties of Matter & Acoustics Mechanics and Relativity Environmental Studies Programming in C++ Optoelectronic and fiber optic communication Optics Microprocessor & C programming Properties of Matter, Waves & Acoustics Mechanics & Relativity Communication Physics Nuclear Physics Biomedical Instrumentation Computational Physics
PG	Electronics Nuclear Physics Electromagnetic theory Mathematical Physics Quantum Mechanics Methods of Spectroscopy Classical Dynamics and Relativity Nuclear and Particle Physics Solid State Physics

11. Details of Publications:

S.No.	Journal Name & Volume	Year of Publication	ISSN Number	Name of the Paper	Impact Factor
1	Mechanics and Mechanical Engineering Vol: 23, Issue: 1	10 Jul 2019	2354-0192	Theoretical Investigation on Growth Kinetics and Thermodynamic Properties of Pyridine-2-Carboxylic Acid Crystals	-
2	Optics & Laser Technology Volume: 119	26 Jul 2019	0030-3992	Growth, structural, third order nonlinear optical properties, dielectric properties, conductivity mechanisms and spectroscopic characterization of a luminescent material trans-diaqua-bis(pyridine-2-carboxylato)-cobalt(ii) dihydrate for optoelectronic applications	3.319
3	Bulletin of Materials Science Vol: 43, Issue: 1	09 Oct 2020	0250-4707	Spectroscopic and Third Order Nonlinear Optical Properties of Organic Single-Crystal -2-picolinictrichloroacetate: An Overview	1.392

4	Physica B: Condensed Matter, Vol: 624	01 Jan 2021	0921-4526	Nucleation kinetics, Williamson-Hall analysis, hardness and dielectric properties of pyridine-2-carboxylictrichloroacetate single crystals	2.436
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12. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
28.03.2017-29.03.2017	K.Ramakrishnan College of Technology, Trichy	International Conference on Newer Engineering Concepts & Technology	Experimental and Theoretical Investigation on Growth Kinetics and Thermodynamic Properties of Pyridine-2-Carboxylic Acid Crystals
23.01.2020	Jamal Mohamed College, Trichy	National Seminar on Advanced Materials	Synthesis and growth mechanism of an organic single crystal: L-Alanine picolinate
26.12.2020-29.12.2020	Bharathidasan University, Trichy	4 th International Conference on Recent Trends in Applied Science and Technology (ICRTAST-2020)	Crystal Growth and Third order nonlinear optical properties of organic single crystal 2-Picolinictrichloroacetate: An Overview
10.01.2023	Jamal Mohamed College, Trichy	International Conference on Recent Innovations in Materials Science and Spectroscopy (ICRIMS-2023)	Growth, Structural and Optical Studies of 2-Picolinic Nitrate Single Crystal

13. Details of Seminars / Conferences / Workshops Attended:

Date	Organizer	Title	National / International	Topic
28.02.2012	Jamal Mohamed College	UGC Sponsored State Level Seminar on Advanced Research in Physics-A Few Perspectives	State	Advanced Research in Physics-A Few Perspectives
04.04.2012	Cauvery College for Women	One Day State level Workshop on MATLAB	State	MATLAB
23.01.2013-24.01.2013	Cauvery College for Women	National Seminar on Current Trends in Material Science and Nanostructural Materials	National	Current Trends in Material Science and Nanostructural Materials
28.01.2016-30.01.2016	CRD, PRIST University and IICPT	Lecture-cum-workshop on Interpretation of spectral, chromatographic, crystallographic data of chemical systems	State	Interpretation of spectral, chromatographic, crystallographic data of chemical systems

28.11.2016-03.12.2016	Rajiv Gandhi National Institute of Youth Development (RGNIYD)	Capacity Building Workshop “Women Connect for leadership & Change”	National	Women Connect for leadership & Change
28.03.2017-29.03.2017	K.Ramakrishnan College of Technology	International Conference on Newer Engineering Concepts & Technology	International	Newer Engineering Concepts & Technology
23.01.2020	Jamal Mohamed College (A), Trichy	National Seminar on Advanced Materials	National	National Seminar on Advanced Materials
03.05.2020	PG Dept of Physics, Cauvery College for Women (Autonomous)	Webinar	-	How Nanoscience and Technology Inspired from Nature and Transforming the World?
04.05.2020	Dept of Chemistry, Cauvery College for Women (Autonomous)	Webinar	-	Chemistry Behind MRI Contrast Agents
09.05.2020	MHRD’s Innovation Cell	Webinar	National	India First Leadership Talk Series
09.05.2020	Otago Polytechnic, New Zealand	2 weeks micro- course (online)	International	Open Education, Copyright, and Open Licensing in a Digital World (LiDA103)
06.06.2020	Vellore Institute of Technology, Chennai	Webinar	-	Quantum Mechanical Picture of Periodic Table
14.06.2020	Abhav Foundation	Webinar	-	Annual Solar Eclipse of 21 st June 2020
15.06.2020-19.06.2020	Godavari Institute of Engineering and Technology, Kakinada	Online FDP	-	Molecules and Beyond the Molecules
18.06.2020-19.06.2020	SSM Institute of Engineering and Technology, Dindigul	Virtual Seminar	International	Materials and their Applications
26.12.2020-29.12.2020	Bharathidasan University, Trichy	Virtual Conference	International	Recent Trends in Applied Science and Technology (ICRTAST-2020)
05.06.2021	Noorul Islam Centre for Higher Education, kumarakoil, kanyakumari	Webinar	-	Opportunities and Approaches to get National and International Fellowship
23.09.2021-24.09.2021	A.D.M College for Women, Nagapattinam	Workshop	State Level	Public Financial Management System with Special Reference to TSA

12.08.2022-13.08.2022	Marudhar Kesari Jain College for Women, Vaniyambadi	Online Workshop	National	In Pursuit of Manoeuvre Quality Assessment, Enhancement in HEI: New Framework of NAAC
24.08.2022	St. Joseph's College, Trichy	Webinar Series	-	Materials for Energy and Environment (WSMEE-22) – Event 1
07.12.2022-11.12.2022	Madurai Kamaraj University, Madurai	Mini Physics Training and Talent Search Programme (PTTS) 2022	State	Mini Physics Training and Talent Search Programme (PTTS) 2022
04.01.2023-07.01.2023	Raja Bahadur Venkata Rama Reddy Women's College (A), Hyderabad	Virtual Seminar	National	NAAC Seven Criteria
10.01.2023	Jamal Mohamed College (A), Trichy	Conference	International	Recent Innovations in Materials Science and Spectroscopy (ICRIMS-2023)

14. Details of Orientation / Refresher Course Attended:

Date	Title of the Course	Organizer
13.11.2015-10.12.2015	89 th Orientation Programme	Bharathidasan University
24.06.2020-07.07.2020	Online Refresher Course on Science Academics	A.P.A College of Arts and Culture, Palani
8 weeks (Jul-Sep 2022)	Solar Photovoltaics Fundamentals, Technology and Applications	NPTEL-AICTE Faculty Development Programme

15. NPTEL-Swayam Course:

Title of the Course	Duration	Organizer	Score	Category
Solar Photovoltaics Fundamentals, Technology and Applications	8 weeks (Jul-Sep 2022)	IIT Roorkee	78%	Elite+Silver

16. NPTEL-Swayam Course Mentor:

Title of the Course	Duration	
Speaking Effectively	8 weeks (Jan-Apr 2021)	Top Performing Mentor
Solar Photovoltaics Fundamentals, Technology and Applications	8 weeks (Jul-Sep 2022)	-
Educational Leadership	8 weeks (Jul-Sep 2022)	Top Performing Mentor

17. Details of Incharge / Participation in Extracurricular Activities:

Nature of Activity	Period of Incharge
Hale Bopp Club	2021-2022

18. Membership:

- Indian Society of Systems for Science & Engineering (ISSE) – Life Membership