

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

PERSONAL INFORMATION

1. Name : Dr.A.MARY GIRIJA

2. Date of Birth : 11.06.1989

3. Address :

Residential	Office
99, R.C Street ,Thurinjikkollai, Nellikollai(Post), Bhuvanagiri (T.k), Cuddalore(D.t) – 608704 E-Mail: mgphysics101@gmail.com Mobile:8012406265	Assistant Professor of Physics Cauvery College Women (Autonomous) Annamalai Nagar Trichy – 620018 E-Mail: mgphysics101@gmail.com Mobile:8012406265

ACADEMIC INFORMATION

4. Designation & Department: Assistant Professor& Physics

5. Educational Qualification :

Degree	Year	College/University
Ph.D	2023	St.Joseph's College,Trichy.
M.Phil	2013	St.Joseph's College,Trichy.
B.Ed	2012	Pope John Paul II College Of Education, Puducherry.
M.Sc	2011	St.Joseph's College, Trichy.
B.Sc	2009	Auxilium College, Vellore.

6. Researcher ID:

Google Scholar : <https://scholar.google.com/citations?user=81aM6psAAAAJ&hl=en>

Scopus :

<https://id.elsevier.com/settings/redirect?code=T9X6szqiufiKMUUWvuWsicuvc1rAlVrPGhMjc3u#>

Web of Science : AEZ-0732-2022

Orcid : <https://orcid.org/0000-0001-8686-2792>

Vidwan : <https://vidwan.inflibnet.ac.in/profile/206054>

Publons: <https://publons.com/researcher/3364029/mary-girija-a/>

Mendeley:

<https://www.mendeley.com/search/?page=1&query=mary%20%20girija%20&sortBy=relevance>

7. Experience :

Date of Joining	Institution	Year of Experience
12.06.2013	Cauvery College for Women(Autonomous)	10 Years

8. Areas of Specialization : Vibrational Spectroscopy, Ultrasonics**9. Languages known : Tamil, English****10. Subjects Taught :**

UG	<ol style="list-style-type: none">1. Atomic and Molecular Physics2. Elements of Theoretical Physics3. Electricity, Magnetism & Electromagnetism4. Thermal Physics5. Applied Physics- I6. Applied Physics- II7. Mechanics8. Nuclear Physics9. Electronics10. Environmental Studies11. SBE- Office Management Tools12. Classical and Quantum Physics13. Electrical Wiring14. Medical Physics15. Professional Skills
PG	<ol style="list-style-type: none">1. Electronics2. Nuclear and Particle Physics3. Atomic And Molecular Physics4. Electromagnetic Theory5. Statistical Mechanics6. Methods of Spectroscopy7. Nanophysics
M.Phil	-

11. Details of Publications:

Journal Name & Volume	Year of Publication	ISBN Number	Name of the Paper	Impact Factor
Journal of the Indian Chemical Society Volume 99 Issue 04	April - 2022	ISSN: 0019-4522	Spectroscopic (FTIR, UV-Vis, NMR) investigations, DFT predictions of global reactivity descriptors and efficient corrosion inhibitors of N-carbobenzoxy-L-Valine Succinimidyl Ester	0.284
Journal of the Indian Chemical Society Volume: 99 Issue 04	April - 2022	ISSN: 0019-4522	Spectroscopic investigations (FTIR, UV-VIS, NMR) and DFT calculations on the molecular structure of N ω -Nitro-L-arginine	0.284
Stochastic Modeling and Applications, Volume 26 Issue 03	March 2022	0972-3641	Molecular conformation, electronic transitions and Spectroscopic (FT-IR, UV-Vis) characterization of N-Carbobenzoxy-L -Valine : A DFT approach	-
Stochastic Modeling and Applications, Volume 26 Issue 03	March 2022	0972-3641	Molecular Structure, Vibrational, UV-Vis, HOMO-LUMO, MEP, NLO, NBO analysis of N α -Carbobenzoxy -L-arginine	-
Stochastic Modeling and Applications, Volume 26 Issue 03	March 2022	0972-3641	Investigations on N α -Carbobenzoxy -L-arginine by NMR spectroscopy, DFT and molecular docking studies	-
International Research Journal of Engineering Technology (IRJET) Volume-04, Issue -09, Pages 42-48	Sep 2017	e-ISSN- 2395-0056 p-ISSN- 2395-0072	Thermo-Acoustical Molecular Interaction Studies in Binary Liquid Mixtures by Ultrasonic Velocity Measurement (Diethylamine+n-Butanol) At 303.15K	5.181
International Research Journal of Engineering Technology (IRJET) Volume-04, Issue -09, Pages 36-41	Sep 2017	e-ISSN- 2395-0056 p-ISSN- 2395-0072	Acoustical and Thermodynamical studies in ternary liquid mixtures of Ethylene Glycol, Glycerol and Octanol at 303.15 K	5.181

International Journal of Scientific Research in Science and Technology(IJSRST) Volume-3, Issue-11 Pages-89-96(UGC Approved Journal)	Dec 2017	e-ISSN-2395-6011 p-ISSN-2395-602X	Ultrasonic and Viscometric Studies of Molecular Interaction In Binary Liquid Mixtures of Propylene Glycol and Dimethyl Sulphoxide at Various Temperatures	5.327
International Journal of Scientific Research in Science and Technology (IJSRST) Volume-3, Issue-11 Pages-97-108 (UGC Approved Journal)	Dec 2017	e-ISSN-2395-6011 p-ISSN-2395-602X	Investigation of molecular interaction in binary liquid mixtures of anisole with methyl isobutyl ketone at different temperatures	5.327

12. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
23.01.2013	Cauvery College For Women	National Seminar on Current Trends in Material Science and Nanostructural Materials	Ultrasonic Study On Thermodynamical And Excess Parameters Of Binary Mixture
15.02.2017	Jamal Mohamed College, Trichy	National Symposium on Material Science NLS-RAM 2017	Acoustic and Thermodynamical Study of 2-Methoxy-2-Propanol and Cyclohexane with Toluene at 303.15K
04.08.2017	Mother Teresa Women's University, Kodaikanal	International Conference on Material Science and Technology (ISMST 2017)	Thermo- Acoustical Molecular Interaction Studies in Binary Liquid Mixtures by Ultrasonic Velocity Measurement (Diethylamine+n-Butanol) At 303.15K
14.12.2107& 15.12.2107	St.Joseph's College, Trichy.	International Conference on Advanced Materials 2017	Ultrasonic and Viscometric Studies of Molecular Interaction In Binary Liquid Mixtures of Propylene Glycol and Dimethyl Sulphoxide at Various Temperatures
4.2.2019-6.2.2019	Bishop Heber College, Trichy.	Advanced Nano materials for Energy, Environment and Healthcare 2019	Thermo Acoustic and FTIR Study of Molecular Interactions in Binary Mixtures of Propylene Glycol and Dimethyl Malonate at Several Temperatures
28.02.201-01.03.2019	St.Joseph's College, Trichy.	International web conference on advanced	Evaluation of thermodynamical acoustic parameters of binary mixtures of dimethyl malonate

		Materials(IWCAM-2019)	with acetophenone at different temperatures
11 & 12 th of February 2022	St. Joseph's College, Trichy.	International Conference on Advanced Material-2022	DFT studies on vibrational and Electronic Spectra, HOMO-LUMO, Global reactivity Descriptors, NBO and Molecular Docking Analysis Of N ω -Nitro-L-arginine.

13. Details of Seminars / Conferences / Workshops Attended:

Year & Date	Organizer	Title	National / International	Topic
12.01.2011-14.01.2011	St. Joseph's College, Trichy	INDO-US workshop on Nanoscience and Ultrasonics(IUWONU-2011) & International conference on Nano Technology&Ultrasound (ICNU-2011)	International Level	workshop on Nanoscience and Ultrasonics
23.01.2013	Cauvery College For Women	National Seminar on Current Trends in Material Science and Nanostructural Materials	National Level	Current Trends in Material Science and Nanostructural Materials
16.10.2015-17.10.2015	CSIR-National Institute of Oceanography Dona Paula-Goa	National Symposium on Acoustics-2015	International level	National Symposium on Acoustics
17.11.2016-19.11.2016	KIIT College of Engineering (Gurugan) Under the aegis of Acoustical Society of India (ASI)	National Symposium on Acoustics-2016	International level	National Symposium on Acoustics
15.02.2017	Jamal Mohamed College, Trichy	National Symposium on Material Science NLS-RAM 2017	National level	Metal organic Materials
04.08.2017	Mother Teresa Women's University, Kodaikanal	International Conference on Material Science and Technology (ISMST 2017)	International level	Material Science and Technology
14.12.2107 & 15.12.2107	St. Joseph's College, Trichy.	International Conference on Advanced Materials 2017	International level	Advanced Materials
4.2.2019-6.2.2019	Bishop Heber College, Trichy.	Advanced Nano materials for Energy, Environment and Healthcare (ANEH 2019)	International level	Nano Materials

28.02.201- 01.03.2019	St.Joseph's College, Trichy.	International web conference on advanced Materials(IWCAM- 2019)	International level	Advanced Materials
11 &12 th of Februa ry 2022	St.Joseph' s College, Trichy.	International Conference on Advanced Material- 2022	International level	Advanced Materials

14. Details of Orientation / Refresher Course Attended:

Date	Title of the Course	Organizer
4.1.2018- 10.1.2018	Orientation Programme for NSS Programme Officers	Bharathidasan University

15. Details of Incharge / Participation in Extracurricular Activities:

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

Nature of Activity	Period of Incharge
Hale-Bopp club	2017-2018
NSS Programme Officer	2017-2022