

STAFF PROFILE

1. Name : Dr.BUVANESWARI M
2. Department : Chemistry
3. Designation : Assistant Professor
- Address : Providence College for Women
(Autonomous),Coonoor
4. Phone No. Office : 0423 - 2234084
Mobile : 9047786103
5. E-mail : buvanavembu@gmail.com
6. Academic Qualifications:

Qualification	Title/Course	University	Year
Ph.D.	Novel carbanionic sigma complexes derived from 2-chloro-1,3,5-trinitrobenzene, Pyrimidine-2,4,6(1H,3H,5H)-trione and bases- synthesis, characterization, anticonvulsant/hypnotic activity and toxicity studies	Bharathidasan University	April 2014
M. Phil.	A Polarographic study on the reduction of Pyridoxine and Nicotinamide with Zinc(II) complex in Aqueous medium	Bharathidasan University	August 2004
PG	Chemistry	Bharathidasan University	April 2002
UG	Chemistry	Bharathidasan University	April 2000

7. Career profile:**Current:**

Organization	Designation	Duration
Providence College for Women (Autonomous), Coonoor	Assistant Professor	2015 to till date

Previous:

Organization	Designation	Duration
SRC, Trichy	Lecture	2003-2004
GAC, Karur	Assistant Professor (GL)	2004-2009
AAGAC, Musiri	Assistant Professor (GL)	2009-2015

8. Participation in Orientation Programme / Refresher Course / Short term course

S.No	Participation	Organization	Date	Days
1	Orientation Program	Bharathiar University, Coimbatore	17.11.2017 To 14.12.2017	28 Days
2	Refresher Course	Bharathiar University, Coimbatore	20.06.2019 to 03.07.2019	14 Days
3	Refresher Course	Mizoram University	20.07.2021 to 02.08.2021	14 Days
4	Refresher Course	University of Hyderabad	10.10.2022 to 22.10.2022	13 days

9. Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
M.Phil.,	8	-

10. Research Publications:

- Spectral and Biological Characterization of N,N-2- hydroxyethanaminium 5- (5-chloro-4,6- dinitro)-2,6-dioxo-1,2,3,6-Tetrahydropyrimidin-4-Olate-hemihydrates. International Journal of Science, Engineering and Management (IJSEM) **Impact Factor : 1.73** , ICRAITSE-17 Accepted ISBN :

97881-935941-0-0

- 3-Methylpyridinium 2,6-Dioxo-5-(2,4,6-Trinitrophenyl)-1,2,3,6-Tetrahydropyrimidin-4-Olate: Synthesis, Characterization and Evaluation of anticonvulsant / hypnotic activity and Toxicity effect. National (Twelfth All India Conference of KAAS—2017) **KAAS - 2017- Accepted ISBN: 9793-81658-18-15 ISBN: 978-93-81658-18-15.**
- Journal of Chemical Crystallography (**International**), DOI 10.1007/s10870-013- 0461-7, 2-Methylpyridinium 2,6-Dioxo-5- (2,4,6-Trinitrophenyl)-1,2,3,6-Tetrahydropyrimidin-4-Olate: Synthesis, Characterization, Single Crystal X-ray Analysis and Evaluation of Anticonvulsant/Hypnotic activity and Toxicity *Effects* Chem Crystallogr DOI 10.1007/s10870- 013-0461-7.
- “Bis(2,4-dinitrophenyl) sulfane”. Acta Crystallographica Section E (**International**), Acta Cryst. (2012). **E68**, o3116.
- Trimethylammonium 2,6-dioxo-5-(2,4,6-trinitrophenyl)-1,2,3,6 tetrahydroprimidin-4- olate“. Acta Crystallographica Section E (**International**), Acta Cryst. (2012). **E68**, o29- o30.
- “N,N-Diethylanilinium 2,4-dioxo-5-(2,4,6-trinitrophenyl)-1,2,3,4-tetrahydro pyrimidin-6-olate” Acta Crystallographica Section E (**International**), Acta Cryst. (2011). **E67**, o3452.
- “N,N-Diethyl-2-hydroxyethanaminium 2,6-dioxo-5-(2,4,6-trinitrophenyl)-1,2,3,6- tetrahydropyrimidin-4-olate dihydrate“, International Journal of Acta Crystallographica Section E Acta Cryst. (2011). **E67**, o1433-o1434.
- “Water Soluble 2,4,6-trinitrophenyl barbiturates of moderate therapeutic index as anticonvulsant / hypnotic agents”, Recent Advances in Clinical Medicine. The above paper was selected as the **best paper in i) Scopus data base ii) British Library iii) The book entitled ‘Biology and Biomedicine’ ISBN:978-960-474- 165.** Recent Advances in Clinical Medicine. (**International**), (2010) UK : WSEAS Publication, 255-260, ISSN : 1790-5125.
- Water Soluble 2,4,6 trinitrophenyl barbiturates of moderate therapeutic index as anticonvulsant / hypnotic agents. **Indian patent published in patent Journal**, 2941 / CHE / 2009A Patent Journal Issue Number: 22 / 2011 Date of Publication : 03.06.2011.

11. Book publications / Chapters written / Book chapter edited / chapter reviewed

Books written	Chapters written	Books / chapters edited	Chapters reviewed
Individual polymer	--	Books	ISSN : 978-81-907550-2-3
Organic Reaction and mechanism	--	Books	ISSN : 978-81-907550-9-2

12. Presentation in Conference / Seminar / Symposium

Year	Name of the Conference / Seminar / Symposium /workshop	Date From – To
2023	Organized a State Webinar on “Gender Sensitization and Media”	11 th February 2023
2021	Organized a National webinar on “Inspiring Experiences of Rocket Science”	20 th march 2021
2020	Organized Workshop on Graph Theory .	2 nd September 2020.
2020	Fluid Dynamics and its Applications - Providence college for women, Coonoor.	6 th Jan 2020
2019	Graph Theory and its Applications - Providence college for women, Coonoor.	22 nd August 2019
2017	International Conference on Mathematics - Providence college for women, Coonoor.	4 th - 5 th August 2017

13. Participation in Conference / Seminar / Symposium

International Level: --

- International Conference on Future prospects in chemical research Department of chemistry, 21.12.22 - 22.12.22, (**Paper presented**) Seethalakshmi Ramaswami college, Tiruchirappalli.

National Level

- National Conference on Emerging Trends in Chemistry, 11th January 2012 (**Paper presented**), Bishop Heber College, Tiruchirappalli.
- Bharathidasan University, Tiruchirappalli, 2nd – 2^{4th}, March 2012 (**Paper presented**), National Conference on Recent Advances in Inorganic Chemistry.

State Level :---

- Media and Gender Department of Mathematics, Providence College for Women (Autonomous), Coonoor and Banari amman institute of Technology, Sathyamangalam.
- Controller Section, Providence College for Women (Autonomous), Coonoor, 08.10.21, OBE - Exploring new frontiers in education.

14 Participation in Conference / Seminar / Symposium

International Level

- International virtual seminar on “Energy Harvesting & Sensors- IEHS 2023” organized by PG and Research Department of Chemistry on 17.02.2023 J.K.K.Nataraja College of Arts and Science, Kumarapalayam.
- International Conference on Future prospects in chemical research Department of chemistry, 21.12.22 - 22.12.22, Seethalakshmi Ramaswami college, Tiruchirappalli.
- International Conference on Cutting Edge Research in Chemical Sciences and Workshop on Radioactivity, 19th and 20th September 2019, Poompuhar College, Melaiyur.
- International Conference on Mathematics 2017. **(Participation)**, Providence college for women, Coonoor, 4th - 5th August 2017.
- International Conference on Recent Advancements in Information Technology Science and Engineering (ICRAITSE-17) 14th-15th December 2017, APS Mahalakshmi College, Tuticciin National Level.

National Level

- National Level Workshop on Green Economy and Sustainability in India – Issues and Challenges on 20th and 21st March 2019, Providence College for Women, Coonoor
- MHRD-National Digital Library of India, on 2nd August 2019, Providence College for Women, Coonoor.
- National Level Seminar Food safety, Social responsibility and Environmental Sustainability, on 15th and 16th February 2018, Providence College for Women, Coonoor.

State Level

- Webinar on “Gender Sensitization and Mass Media”, on 11.02.2023, Department of Mathematics, Providence College for Women (Autonomous), Coonoor and K.Ramakrishnan College of Engineering, Samayapuram, Trichy.
- FDP on “Preparation of Winning Research Proposals” on 08.02.2023, Department of Chemistry, Jamal Mohamed College, Tiruchirappalli.
- FDP on “Hands on Python”, on 15.11.22, Kongunadu Arts and Science college, Coimbatore.
- Workshop on “R-Programming” on 30th September 2022, Providence College for Women (Autonomous), Coonoor.

- Science Academies Lecture Workshop on “ Current Trends in Chemistry”, on 27th - 28th October 2017,PSG College of Arts and Science, Coimbatore.
- Twelfth All India Conference of KAAS – 2017, 22th -23th September 2017,s KanniyakumariAcademy of Arts and Sciences and Ruben College of Arts and Science, Kanniyakumari.

16.Resource person / Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop

- International Conference on Mathematics 2017(**Chairperson**), on 4th - 5th August 2017, Providence college for women, Coonoor.

17. Participation in curriculum restructure committees

- Chairman of Board of studies

18.Membership in professional bodies : i) Member of AUT

ii) Member of NDL

19 .Institutional responsibilities:

Academic Year	Activities	Co-ordinator/member
2022-2023	Continuous Internal Assessment Committee	Co-ordinator
2021-2022	Continuous Internal Assessment Committee	secretary
	Value Education	Member
	Peace Club	Member
	Swachh Bharath abhiyan	Member
	Student Council Elections Institution Innovation Council (IIC)	Mem ber Mem ber
2020-2021	Examination Committee	Member
	Library Committee	Member
	Mentor	
	Guidance	
2019-2020	Examination Committee	Member
	Library Committee	Member

	Mentor	
	Guidance	
	Extension Activity	
	Youth Health Club	Member
	Industrial Field Trip	
2018-2019	Examination Committee	Member
	Library Committee	Member
	Mentor	
	Guidance	
	Extension Activity (Mooparkadu)	
	Youth Health Club	Member
	Industrial Field Trip	
2017-2018	College Development Committee	Member
	Examination Committee	Member
	Library Committee	Member
	Mentor	
	Guidance	
	Extension Activity (Amman Nagar)	
	Youth Health Club	Member
2016-2017	Industrial Field Trip	
	Examination Committee	Member
	Library Committee	Member
	Mentor	
	Guidance	
2015-2016	Extension Activity in Oododam Viayal	
	Examination Committees	Member
	Library Committee	Member
	Mentor	
	Guidance	
	Extension Activity in sarguru School	

20. Other Highlights :

- Thirty three webinars attended
- Set the question paper B.Sc., chemistry for Vellaisamy Nadar College, Madurai.