

BIO-DATA

Position : ASSISTANT PROFESSOR
College : Sri Meenakshi Govt. Art College for Women(A), Madurai.
Department : PHYSICS

A) PERSONAL DATA

1. Name : Dr. A. BEULAH MARY
2. Address : 1/5A, Income Tax Colony 4th Street,
Vilangudi, Madurai – 625018.



TAMIL NADU.

3. Email id : drbeulahmary@gmail.com
4. Date of Birth : 26TH MAY 1976

B) ACADEMIC QUALIFICATIONS

Name of College / School	University	Degree	Year of Passing	Main Subject taken Specialization
Holy Cross College.	Bharathidasan University. Trichy.	Ph.D.	April, 2012	Liquid State Physics-Ultrasonics
St. Joseph's college.	Bharathidasan University. Trichy.	M.Phil	February, 2001	Liquid State Physics-Ultrasonics
Bishop Heber College.	Bharathidasan University. Trichy.	M.Sc.	April, 1999	Electronics
LRG Govt. Arts College for women.	Bharathiar University. Coimbatore.	B.Sc.	May, 1996	Electronics and Energy Sources

C) PROFESSIONAL INFORMATION

5. TEACHING EXPERIENCE

Name of Institution & Place	Duration		Designation
	From	To	
School of Engineering and Technology, Trichy.	October 1999	April 2000	Guest Lecturer
Bishop Heber College, Trichy.	January 2000	January 2012	Assist. Professor
	January 2012	July 2015	Associate Professor
Sri Meenakchi Govt Arts College for women, Madurai	July 2015	Till date	Assist. Professor

6. RESEARCH GUIDESHIP

a) M.Phil guideship under Bharathidasan University. Trichy. (Ref.No. 17434 /R.A/M.Phil/Physics/2012/Date :22.05.2012)

b) Ph.D guideship under Bharathidasan University. Trichy, (Ref.No. 16424 /Ph.D.K2/Physics/R.A/Date :10.06.2014)

7. AWARD RECEIVED

1. Best paper award received for the presentation and research of the paper entitled " Fruit Dye Synthesized Solar Cells" in the Conference of National Conference on Perspective in laser optics, spectroscopy & Nano science, Feb. 2011. Bishop Heber College, Trichirapalli

2. Best paper award received for the presentation and research of the paper entitled " Citrus Dye Synthesized Solar Cells" in the Conference of National Conference on Perspective in laser optics, spectroscopy & Nano science, Feb. 2011. Bishop Heber College, Trichirapalli

8. PUBLICATIONS

LIST OF PAPERS PUBLISHED IN JOURNALS AND PROCEEDINGS

JOURNALS

- 1. Thermo - Acoustic Parameters of 2-Ethoxyethanol+DMSO/DMF mixtures from Volume Expansivity Data. Nov 22 & 23, 2000-** Published in the journal of Acoustical Society of India, Vol-28, No.1-4, 2000 (pp. 347-350)

2. **Study of Hydration Number and Related Parameters of Aqueous Sodium Sulphite and Sodium Metabisulphite Solutions** - Published in the journal of Acoustical Society of India, Vol. 36, No. 2, 2009 (pp. 81-85)
3. **Acoustic and Thermodynamic Study of Aqueous Sodium Fluoride Solutions** - Published in the journal of Acoustical Society of India, Vol. 36, No. 2, 2009 (pp. 86-91)
4. **Study of Solvation Number and Related Parameters of Ammonium Bifluoride in Non-aqueous Medium-** Published in the journal of Acoustical Society of India, Vol. 38, No. 2, 2011 (pp. 92-97)
5. **Study of Acoustic and Thermodynamic Parameters of Aqueous solutions of Fluorine Compounds by Ultrasonic Measurements** - Published in the journal of Acoustical Society of India, Vol. 38, No. 2, 2011 (pp. 173-177)
6. **Solvation and Spectroscopic Investigation of Polar Aprotic solutions of Ammonium bifluoride.** - Published in the international journal of Multi-Disciplinary Researches, Vol. 4, No. 3, Feb 2018 (pp. 47-49) ISSN: **2349-8684**, IMPACT FACTOR:**3.487**

PROCEEDINGS

7. **Hydration number and Allied Parameters of Aqueous Potassium Acetate Solution through Ultrasonic Study.** Published in the Proceedings of National Symposium on Acoustics. Dec – 5-7, 2007. Page 409-413.
8. **Ultrasonic and Hydration Study of Aqueous Solutions of Maleic Acid** - Published in Proceedings of National Symposium on Acoustics. Dec – 5-7, 2007. Page 409-413.
9. **Acoustic and Thermodynamic Study of Aqueous Sodium Fluoride Solutions** - Published in the Proceedings of National Symposium on Acoustics. Dec –23-24, 2008. Page 211-216.
10. **Study of Hydration Number and Related Parameters of Aqueous Sodium Sulphite and Sodium Metabisulphite Solutions** - Published in the Proceedings of National Symposium on Acoustics. Dec – 23-24, 2008. Page 205-209.
11. **Study of Electrical Conductivity of Aqueous Solutions of Sodium Salts –** Published in the Conference papers of National Conference on recent advances in Chemistry, Bishop Heber College, Trichirapalli. Sep 2009.
12. **Acoustic and Thermodynamic Study of Aqueous Solutions of Metabisulphite of Sodium and Potassium** - Published in the Proceedings of Eighteenth National Symposium on Ultrasonics. VIT University, Vellore. Dec – 21-23, 2009. Page 139-143.
13. **Study of Physical Properties of Aqueous Solutions of Sodium Bisulphite** - Published in the Proceedings of Eighteenth National Symposium on Ultrasonics. VIT University, Vellore. Dec – 21-23, 2009. Page 435-437.
14. **Internal Pressure and Equivalent Conductance of Aqueous Solutions of Fluoride Compounds –** Published in the Proceedings of Eighteenth National Symposium on Ultrasonics. VIT University, Vellore. Dec 21-23, 2009. Page 539-542.
15. **Thermodynamic and Spectroscopic Investigation of Polar Aprotic Solutions of Ammonium Bifluoride –** published in the Conference papers of International Conference on Recent Frontiers In Applied Spectroscopy. Annamalai University, Sep. 2010.
16. **Study of Vibrational Spectra and Solvation Number of Non-Aqueous Solutions of Calcium Fluoride through Ultrasonic Technique-** published in the Conference

papers of International Conference on Recent Frontiers in Applied Spectroscopy. Annamalai University, Sep.2010.

17. **Study of Solvation Number and Related Parameters of Ammonium Bifluoride In Non-Aqueous Medium-** Published in the Proceedings of National Symposium on Acoustics. Nov 11-13, 2010. Vol. 37, Page 14-19.
18. **Study of Internal Pressure and Equivalent Conductance of Solutions of Calcium Fluoride In Non-Aqueous Medium-** Published in the Proceedings of National Symposium on Acoustics. Nov 11-13, 2010. Vol. 37, Page20-22.
19. **Evaluation of Acoustic and Thermodynamic Parameters of Water-Ethanol Solutions of Potassium salts-** published in the Conference papers of Indo-US workshop on Nanosonics & Ultrasonics and International conference on Nanotechnology and Ultrasound. St.Joseph's College, Trichirapalli, January 2011.
20. **Study of Molecular Interactions Using Internal Pressure and FTIR Spectra of Sodium Sulphite in Water and 20% Ethenol-Water Solvents-** Published in the Conference papers of National Conference on Perspective in laser optics, spectroscopy & Nano science, Feb. 2011. Bishop Heber College, Trichirapalli.
21. **Fruit Dye Synthesized Solar Cells-** - Published in the Conference papers of National Conference on Perspective in laser optics, spectroscopy & Nano science, Feb. 2011. Bishop Heber College, Trichirapalli. (**Awarded as best paper**)
22. **Vibrational Spectroscopic Study of Sodium Fluoride in Aqueous and Non-Aqueous Solvents-** - Published in the Conference papers of National Conference on Perspective in laser optics, spectroscopy & Nano science, Feb. 2011. Bishop Heber College, Trichirapalli.
23. **Solvation Number and Allied Parameters of Water-Ethanol Solutions of D-Fructose And D-Sorbitol Through Ultrasonic Study-** - Published in the Conference papers of National Conference on Perspective in laser optics, spectroscopy & Nano science, Feb. 2011. Bishop Heber College, Trichirapalli.
24. **Citrus Dye Synthesized Solar Cells-** - Published in the Conference papers of National Conference on Perspective in laser optics, spectroscopy & Nano science, Feb. 2011. Bishop Heber College, Trichirapalli. (**Awarded as best paper**)
25. **Ultrasonic and Hydration Study of Aqueous Solutions of Ammonium Bromide -** Published in the proceedings of national symposium on Acoustics, Dec, 2012, K.S.R. Institute for Engineering and Technology, Tiruchengode.
26. **Acoustical Study of Molecular Interactions in Binary Mixtures -** Published in the proceedings of national conference on Frontier Topics in Advanced Materials, 2013. Bishop Heber College, Trichy.
27. **Theoretical and Experimental Evaluation of Ultrasonic Velocity in Binary Mixture -** Published in the proceedings of national conference on Frontier Topics in Advanced Materials, 2013. Bishop Heber College, Trichy.
28. **Ultrasonic Investigation of Thermodynamical Parameter of Sucrose in Aqueous Medium -** Published in the proceedings of national conference on Frontier Topics in Advanced Materials, 2013. Bishop Heber College, Trichy.
29. **Acoustical and solvation studies of molecular interaction in binary and ternary solutions of Lauric acid -** Published in the proceedings of international conference on Materials and Characterization Techniques, March 2014. VIT University, Vellore.
30. **Scenario of Indian Women in Science Career-** Published in the proceedings of national conference on Advancement of Women in Science and Technology, 2014. Bishop Heber College, Trichy.
31. **Thermodynamical and Solvation Investigations of Sodium Salts in Polar Protic Solutions -** Published in the proceedings of national conference on Nanoscience and

Nanotechnologies in the livelihood enhancement of common Man, 2017, Arulanander College, Madurai.

- 32. Acoutical and Thermo chemical Study of Aqoues and NON –Aqoues Organic Solutions** - Published in the proceedings of national conference on Nanoscience and Nanotechnologies in the livelihood enhancement of common Man, 2017, Arulanander College, Madurai.

9. ORIENTATION/REFRESHER COURSES/OTHER PROGRAMMES & TRAINING:

S.No.	Name of the Course	Period	Place
1.	Orientation program	31.08.2017 -27.09.2017	UGC HRDC, MKU, Madurai
2.	Refresher course	18.12.2018 – 07.01.2019	UGC HRDC, MKU, Madurai
3.	Inservice training program	05.05.2022-06.05.2022	SMGAC, Madurai
4.	Refresher course(online)	07.10.2022-20.10.2022	UGC HRDC, MKU, Madurai
5.	Faculty Development Programme (Naan Mudhalvan Courses)	24.07.2023 – 28.07.2023	MKU, Madurai

10. OTHER RESPONSIBILITIES HOLD IN SERVICE (CURRENT/ PREVIOUS):

S.NO	NAME OF THE SERVICE/COMMITTEE	PLACE	PERIOD
1.	Sports Committee Member	SMGAC	2015 - 2023
2.	CLP Committee Member	SMGAC	2021 - 2023