

RESUME

1. Personal Details

Name : Dr.Madhuri Jayprakash Bava
Present Position : Assistant Professor in Chemistry
Gender : Female
Date of Birth : 03 July 1984
Nationality : Indian
Educational qualification : M.Sc (Inorganic chemistry).
Ph.D
Specialization : Inorganic Chemistry
Name of Organization : Department of Chemistry,
Jalna Education Society's,
R.G.Bagdia Arts, S.B.Lakhotiya
Commerce and R.Bezonji
Science College,
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2. Academic Record :

Exam.	Board/University	Subject	Year & Month	Division and Merit	% of Marks.
S.S.C	Amravati	Marathi,Sanskrut, English, Maths, Science, Social science	March-1999	II nd	58.40%
H.S.C	Amravati	English, Marathi, Maths & Stats, Physics,Chemistry, Biology	Feb- 2001	I st	61.83%
B.Sc.	Marathwada University,	English, Hindi, Chemistry,Physics,	April-2004	I st	63.27%

	Aurangabad	Computer science			
M.Sc.	Marathwada University, Aurangabad	Chemistry	April-2006	1 st	60.33%
Ph.D	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Chemistry	Feb-2010	Awarded	Awarded

3. Career Profile :

i) Title of Ph.D: Studies in Molecular Interaction in Liquid Mixtures.

ii) Teaching Experience : Post Graduate : 2 years

Course Taught	Name of University/College Institute	Duration	Nature of appointment
i)Under –Graduate BSc. Chemistry	i)Shri. Vankatesh Arts, Commerce & Science College, Deulgaon Raja.	Academic year 2017-2018	Temporary
	ii) J.E.S College ,Jalna	Academic year 2019-2022 till today	Temporary
ii)Post -Graduate	J.E.S College ,Jalna	Academic year 2017-2019	Temporary

4. Total Teaching Experience : 05 years

Post Graduate : 02 years

Under Graduate : 05 years

5. Conference Seminar and WorkShops :

Sr.No.	Name of the Conference Seminar and work shops	Name of the Agency	Place and date
1	Attended 43 rd Annual Convention of Chemists 2006	UGC,DST,CDRI	Dept of Chemistry, Dr. B.A. M. University,Aurangabad, Held on 24 to 27 Dec. 2006
2	Attended International conference on Advances in Drugs	UGC,DST,CDRI	Dept of Chemistry, Dr. B.A. Marathwada. University,Aurangabad,

	Discovrey Research		Held on 24 to 26 Feb.2007
3	Attended National seminar on Biocatalysis and Biomimetric catalysis in organic synthesis	UGC	Dept of Chemistry, Dr. B.A. Marathwada. University,Aurangabad, Held on 20 to 21 March.2009
4	Participated in the 67 th BRNS-IANCAS National workshop on Radio chemistry and Application of Radioisotopes	BRNS, DAE	Dept of Chemistry, Dr. B.A. M. University,Aurangabad, 11 to 18 August.2008
5	Participated in Set workshop in chemistry	Set Bhavan, Dept. Chemistry, Pune University	Dept of Chemistry, Dr. B.A. M. University,Aurangabad, 26 to 28 Octomber 2007
6	Participated in one day High Performance Liquid Chromatography	UGC	Dept. of Chemical Technology, Dr. B.A. M. University,Aurangabad, 7 th Jan ,2007
7	Attended one day National Conference on Frontiers in Chemical Science	UGC	Dept of chemistry,Shri. Vankatesh Arts, Commerce and science college, Deulgaon Raja., 23 rd Dec ,2017
8	Attended 107 th Indian Science Congress Science & Technology,Rural Development at University of Agricultural Science,	UGC	University of Agricultural Science, Held on 3 to 7 Jan 2020 ,Bengalore.
9	Participated in Womens Science congress 2020 during 107 th Indian Science Congresss	UGC	University of Agricultural Science, GKVK,Held on 3 to 7 Jan 2020 ,Bengalore.

6 .Experimental skills :

- Experience in all aspects of techniques for isolation, separation, purification of products
- Experties in semi micro Inorganic analysis.

- Handling of sophisticated instrument FTIR, densitometer, AVS 350 Viscometer, UV Visible Spectrophotometer and High temperature Furnace, high pressure Autoclave, Gaussian 09 software .

7 : List Of Publication :

Sr.No.	Title with years and page no.	Name of Journal	ISSN/ISBN No.	Impact factor
1	Thermodynamic properties of binary mixtures containing 1,2 ethanediol and primary alcohol at different temperature. M.J.Bawa, S.B .Lomte, M.K.Lande and B.R.Arbad,86,1190-1196,2009	Journal of Indian Chemical Society	0019-4522	0.150
2	Density and refractive index study on mixing properties of binary mixtures of 1,2-ethanediol with aliphatic alcohol at 298.15K B.R Arbad, M.J.Bawa, S.B.Lomte & M.K.Lande 4(1), 9-12, 2009	Physical chemistry, An Indian journal	0974-7524 print	--
3	Densities and viscosities of binary liquid mixtures of 2-Butanone with branched alcohols at (293.15 to 313.15)K S.B.Lomte, M.J.Bawa, ,M.K.Lande, &B.R Arbad,54(1),127-130,2009	Journal of Chemical Engineering Data	0019-4522	2.369
4	Volumetric properties and ultrasonic velocity of binary mixtures of butanone with alkyl acetate at (298.15 to 308.15)K S.B.Lomte, M.J.Bawa, A.O,Dhokte, M.K.Lande and B.R.Arbad,88,1697-1702,2010	J Indian chemical society	0019-4522	0.150
5	The physico- chemical properties of binary liquid mixtures of 1,2-Ethanediol with primary amines as 1-propyl amine, 1-butyl amine and 1-pentyl amine at 303.15 K M.Bawa, S.Lomte, M.Lande,B.Arbad.109-111,2017	International Multilingual Research Journal, 43053	ISSN-2394-5303	--
6	Thermodynamic properties of binary liquid mixtures of 2-Butanone with Branched alcohols at temperature between 298,15K and 303.15 K. S.B.Lomte, M.J.Bawa, M.K.Lande, B.R.Arbad,85-88,2017	International Multilingual Research Journal, 43053	ISSN-2394-5303	--

Extension activities

- 1) Worked as an examiner in D-CASScience for Jun/Jul 2022 Examination
- 2) Workded as an invigilator from year of joining
- 3) Worked as an examiner and lab expert for the practical examination
- 4) Ph.D/SET / NET guidance for BSc.and MSc. Students

Plan of Teaching

- 1) Thermodynamics 1&2
- 2) Elementary quantum mechanics
- 3) Photochemistry
- 4) Nano Material
- 5) Physical properties and moleculer structures
- 6) Spectroscopy
- 7) Gaseous state, liquid state, colloidal state,
- 8) Chemical Kinetics
- 9) Inorganic Chemistry Practical Bsc 3 year

Dr.Madhuri.J.Bawa
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