

CURRICULUM VITAE

Dr. Shama Baliram Lomate

(M.Sc. B. Ed. Ph.D.)

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Department of Chemistry,

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PERSONAL:

Date of Birth: February 07, 1979

Nationality/Sex/Marital Status: Indian/female/Married

EDUCATION:

-  **Ph.D. (Organic Chemistry):** **Title of Thesis:**
“Studies in volumetric, viscometric acoustic and optical properties of liquid liquid mixture”.
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad in february2010
-  **Master of Science (M.Sc.):** July 2004 with Second Class (56.66%)
(Inorganic Chemistry) Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
-  **Bachelor of Science:** April 2000 and placed in the First Class with Distinction (78.16%) Shikshan Maharshee Dnyandev Mohekar Mahavidyalaya, Kallamb. Dist. Osmanabad, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
-  **B. Ed. (Science, Mathematics)** June 2002and placed in the first class with Distinction (72.20%) Swami Vivekanand Shikshan Sauntha, Adhyapak Mahavidyalaya, Osmanabad, Dr. Babasahe Ambedkar Marathwada University, Aurangabad.

TEACHING EXPERIENCE:

- ✚ 01 December, 2010 to till date Department of Chemistry, Kalikadevi Arts, Commerce and Science College, Shirur Kasar Dist-Beed
- ✚ 15 July, 2004 to May, 2006 PG Department of Chemistry, Balbhim College, Beed
- ✚ 15 June 2006 to July 2009 PG Department of Chemistry, Dr. Babasahe Ambedkar Marathwada University, Aurangabad.
- ✚ 1 August 2009 to Nov. 2010 Karmaveer Bhaurao Patil Mahavidyalaya , Pandharpur

RESEARCH EXPERIENCE:

- ✚ June, 2006 to till date Department of Chemistry, Kalikadevi Arts, Commerce and Science College, Shirur Kasar Dist-Beed.

RESEARCH INTEREST:

- ✚ Solution Chemistry
- ✚ Soil Chemistry
- ✚ Environment Chemistry

OTHER ACTIVITIES:

- ✚ **Chairman Internal Complaints Committee:** June, 2014 to till date
- ✚ **Chairman Criterion VII NAAC:** June, 2014 to till date
- ✚ **JCS in Examination:** MAR/APR 2019

INVITED TALKS AND LECTURES IN WORKSHOPS:

1. Delivered lecture at Vasant Mahavidyalaya Kaij on topic "Fundamental Chemistry" on Dated 30th January, 2013
2. Delivered Online lecture at Ankushrao Tope College, Jalna on topic "Modern Instrumental Methods of Analysis" on Dated 28th August, 2021.
3. Delivered Online lecture at Vasantdada Patil Arts, Commerce & Science College Patoda, Dist. Beed on topic "Importance of Chemistry in Human Body" on Dated 24th September, 2021.
4. Delivered lecture at Baburao Adaskar Mahavidyalaya on topic Fundamental Concepts

Nanotechnology on Dated 27th August, 2022.

5. Delivered lecture at Baburao Adaskar Mahavidyalaya on topic “Carrier in Chemistry” on Dated 23th July, 2023.

PARTICIPATION IN SEMINARS, CONFERENCES, WORKSHOPS:

1. Participation in National Conference on “Exploring New Horizons in Chemical Sciences” 30th Dec. 2011, Swa. Sawarkar Mahavidyalaya, Beed.
2. Participation in National Seminar on “Current Trends in Chemical Research”, 30th & 31st Aug. 2012, Vasanttrao Naik Mahavidyalaya, Aurangabad.
3. Participation in National Seminar on “Role of Green Chemistry in Environmental Pollution”, 21st & 22nd Dec. 2012, Anandrao Dhonde College, Kada, Beed.
4. Participation in National Seminar on “Redefining the Role of Chemistry in the Era of Modern Science”, 27 & 28 Sep. 2013, Mrs. K.S.K Alias Kaku Arts, Sci. & Comm. College, Beed.
5. Participation in National Conference on “Upcoming Trends in Chemical Science” 6th & 7th Sep. 2013, Anand College, Pathardi.
6. Participation in National Seminar on “Research Methodology in Physical Science”, 15 & 16 Feb. 2014, Balbhim College, Beed.
7. Participation in National Conference on “Science & Technology for Human Development”, 30 & 31st Dec. 2014, Department of Chemistry, Dr. B.A.M.U, Aurangabad.
8. Participation in International Conference on “Recent Trends in Drug Discovery of Green Chemistry”, 9th January 2016, M. B. More Foundations Arts, Comm. & Sci. Women College, Roha, Raigad.
9. Participation in International Conference on “Recent Trends in Chemical Environmental Sciences”, 12th & 13th Feb. 2016, Malpani College, Sangamner.
10. Participation in International Conference on “Relevance of Gandhian Thought”, 7th April 2016, Balbhim College Beed.
11. Participation in International Conference on “Relevance of Swami Vivekanand Thought in 21th Century”, 6th April 2016, Balbhim College Beed.
12. Participation in National Seminar on “Newest Development in Chemical Sciences for Civilized Society”, 9th, 10th Dec. 2016 Dyanopasak College, Parbhani.
13. Participation in State level Seminar on “Farmers meet for improvement of soil Quality and Crop Production”, 17th & 18th January 2017, Department of Chemistry, Mrs. K.S.K.

College, Beed.

14. Participation in National Conference on “Frontiers in Chemical Sciences of Drug Development”, 17, 18th March 2017, Department of Chemistry, Dr. B.A.M.U, Aurangabad.
15. Participation in National Conference on “New Emerging Trends in Environment to Control and Prevent Pollution”, 24 & 25th March 2017, Department of Chemistry, Pratishtan Mahavidyalaya, Paithan.
16. Participation in National Interdisciplinary Multi Lingual Seminar on “Women Safety: Challenges and Remedies”, 22nd July 2017, Late Ramesh Warpudkar College of Arts, Commerce & Science, Sonpeth and Shri Panditguru Padlikar Mahaviidyalaya, Sirsala Tq. Parli.
17. Participation in National Seminar on” Training Programme on “Sexual Harassment of Women at Workplace”, 8th March 2017, Dr. B. A. M. University, Aurangabad.
18. Participation in National Conference on “Frontiers in Chemical Sciences”, 23rd December 2017, Department of Chemistry, Shri. Vyankatesh Arts, Commerce & Science College, Deulgaon Raja, Dist. Buldhana.
19. Participation in One day Workshop on “Sexual Harassment of Women at Workplace”, 13th January, 2018, Tarabai Shinde Women’s Studies Centre, Dr. B.A. M.University, Aurangabad.
20. Participation in National Conference on “Recent Trends in Nanoscience & Nanotechnology for clean & Sustainable Development”, 3rd February 2018, Department of Chemistry, Vasant Mahavidyalaya, Kaij, Dist. Beed.
21. Participation in One day State level Workshop on “Revised Accreditation Frame Work of NAAC”, 31st January 2018, Kalikadevi Arts, Commerce & Science College, Shirur (Ka.), Dist. Beed.
22. Participation in One day State level Workshop on “One Day State Level Workshop on Sexual Harassment of Women at Workplace”, 14th August 2018, Milliya College, Beed.
23. Participation in One day Interdisciplinary International Conference on “Satyashodhak Anna Bhau Sathe: A Humanitarian Literature”, 1st October 2018, Career Spirit Education, Santacruz, Mumbai,
24. Participation in One day State level Workshop on “Rural Women: Health & Safety Awareness”, 13th October 2018, Maharashtra State Commission of Women Mumbai & Arts, Commerce & Science Mahavidyalaya, Bodvad.
25. Participation in One day State level Workshop on “Women & Superstitions- Nature, Causes

- & Measures”, 29th November 2018, Maharashtra State Commission of Women Mumbai & Mahila kala mahavidyala, Beed.
26. Participation in International Conference on “Recent Advances in Traditional Medicine, Medicinal Plants and Phytochemistry”, 8th & 9th February 2019, Ahmednagar College, Ahmednagar & AIMST University, Malaysia,
 27. Participation in National Conference on “Exploring trends in Nanoscience”, 17th March 2019, Department of Chemistry, Anandrao Dhonde Alias Babaji Mahavidyalaya, Kada
 28. Participation in National Conference on “Emerging Trends and Challenges in Biosciences”, 11th August 2019, R.B. Attal Arts, Science & Commerce College, Georai.
 29. Participation in National Seminar on “e-Content Development and MOOC-2019”, 24 August 2019, Miliya College, Beed.
 30. Participation in National Conference on “Recent Trends in Physics, Chemistry & Mathematics”, 4th February 2020, Sunderrao Solanke Mahavidyalaya, Majalgaon.
 31. Participation in National Conference on “New Accreditation process and Quality Enhancement for Rural College”, 4-5th February 2020, Sunderrao Solanke Mahavidyalaya, Majalgaon.
 32. Participation in National Conference on “Recent Advances in Physical Sciences”, 8th February 2020, Department of Chemistry, Balbhim College, Beed.
 33. Participation in National Conference on “Recent Advances in Science”, 13th February, 2020, Shivaji Arts, Commerce & Science College, Kannad, Dist. Aurangabad.
 34. Participation in National Conference on “Women Empowerment: Challenges & Opportunities of Indian Women”, 14 February 2020, K.S.K. College, Beed.
 35. Participation in National Conference on “Women Empowerment through Entrepreneurship and Skill Development”, 3rd & 4th January 2020, Arts, Commerce and Science College, Ashti, Dist. Beed.
 36. Participation in Online International Multidisciplinary Conference on “Recent Trends in Global Warming and Climate Change: It’s Impact on Environment and Biodiversity”, 13th February 2021, Vasantdada Patil Arts, Commerce & Science College, Patoda, Dist. Beed.
 37. Participation in International e-Conference on “Innovative Research in Science and Technology”, 25th July 2021, Kalikadevi Arts, Commerce & Science College Shirur (Ka.), Dist. Beed
 38. Participation in one day National e- Seminar on “IPS-IPRS & Patent filing”, 12-13th February 2021, IQAC, Research Committee & Avishkar Cell of Vasantdada Patil Arts,

Commerce & Science College, Patoda, Dist. Beed.

39. Participation in National Conference on “New Trends in Green Chemistry & Environmental Science”, 8th February 2022, Department of Chemistry, K.S.K. College, Beed.
40. Participation in one day International e-Conference on “Life Sciences, Technology And Management”, 5th may 2022, The English Educators Society, Ambajogai, Maharashtra in association with Kalikadevi Arts, Commerce and Science College, Shirur (Ka.), Dist. Beed.
41. Participation in one day National e-Conference on “ Recent Development in Chemical Science”, 29th April 2022, Department of Chemistry, Anandrao Dhonde Alias Babaji Mahavidyalaya, Kada in Collaboration with Analytical Chemistry Teachers and Researchers Association (ACTRA), Aurangabad
42. Participation in one day National Seminar on “Elimination of Violence against Women: Issues and Challenges”, 21st March 2023, Tarabai Shinde Women’s Studies Centre, Dr. B.A. M.University, Aurangabad.
43. Participation in two days National Seminar on “Azadi ka Amrit Kaal: Achievements, Opportunities and Challenges, 22nd and 23rd September,2023, Asaramji Bhandvaldar College, Deogaon.
44. Participation in one day Interdisciplinary National Conference on “Effect of Global Warming on Environment”, 27th December 2023, Arts, Commerce and Science College, Pimpalner, Dist.Beed.
45. Participation in one day National Conference on “Recent Trends in Chemical Sciences Research”, 20th January 2024, Balbhim College, Beed.

PARTICIPATION IN TRAINING COURSES:

1. Orientation Course, UGC –ASC, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, 31/01/2015 to 28/02/2015.
2. Refresher Course in the subject ‘Disaster Management (ID)’, UGC –HRDC, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, 06/06/2016 to 25/06/2016.
3. Refresher Course in the subject ‘Biological Science and Technology (MD)’, UGC –HRDC, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, 09/09/2019 to 24/09/2019.
4. Online Refresher Course in the subject ‘Recent Trends in Environment & Development (ID)’, UGC –HRDC, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, 14/09/2020 to 26/09/2020.

5. Online Short Term Course on ‘Teacher Educator’, UGC-HRDC, Goa University, Goa, 30/11/2021 to 7/12/2021.
6. Online Short Term Course on ‘MOOCS, E-Content Development and open Educational Resources’, UGC-HRDC, Goa University, Goa, 11/08/2022 to 18/08/2022.
7. Online Refresher Course on ‘Chemistry in Indian Knowledge System’, UGC-HRDC, Dr. Harising Gour Vishwavidyalaya, (A Central University), Sagar (MP).

PAPER/POSTER PRESENTATIONS IN CONFERENCE/WORKSHOP/SYMPOSIUM:

S.N.	Title of Paper	Type of Conf./Workshop/Symposium	Details of Conf./Workshop/Symposium	Organiser Details
1	Studies towards synthesis of (\pm)-Faurenone	National Conference	“Exploring New Horizons in Chemical Sciences” 30 th Dec. 2011	Swa. Sawarkar Mahavidyalaya, Beed
2	Thermodynamic Properties for Binary mixture of 2- Butanone	National Conference	“Science & Technology for Human Development”, 30 & 31 st Dec. 2014	Dept. of Chemistry, Dr. B.A. M. University, Aurangabad.
3	Excess molar volume Refractive indices for binary mixtures of 2-Butanol with branched alcohol at temperatures Between 298.15 & 303	National Conference	“Research Methodology in Physical Science” 15 & 16 Feb. 2014	Balbhim College, Beed
4	2-Morpholinoethane Sulphonic acid as an efficient catalyzed synthesis of Bis(Indoyl methanes)	International Conference	“Recent Trends in Chemical Environmental Sciences”, 12 th & 13 th Feb. 2016	Malpani College, Sangamner.

5	Awakening of Youth by Swami Vivekanand	International Conference	“Relevance of Swami Vivekanand Thought in 21 st Century”	Balbhim College, Beed
6	Mahatma Gandhi Contribution for Economics Globalization of Village	International Conference	“Relevance of Gandhian Thought”, 7 th April 2016	Balbhim College, Beed
7	Domestic Violence and its types and nature	National Seminar	“Women Safety: Challenges and Remedies” 22 nd July 2017	Late Ramesh Warpudkar College of Arts, Commerce & Science, Sonpeth and Shri Panditguru Padlikar Mahaviidyalaya, Sirsala Tq. Parli.
8	Thermodynamic Properties of binary liquid mixtures of 2-Butanone with Branched Alcohols at temperature between 298.15 and 303.15K	National Conference	“Frontiers in Chemical Sciences” 23 rd December 2017	Shri. Vyankatesh Arts, Commerce & Science College, Deulgaon Raja, Dist. Buldhana.
9	Nanotechnology in drug delivery System	National Conference	“Recent Trends in Nanoscience & Nanotechnology for clean & Sustainable Development” 3 rd February 2018	Dept. Of Chemistry, Vasant Mahavidyalaya, Kaij

10	Ocimum Sanctum-The Indian holy power Medicinal plant	International Conference	“Recent Advances in Traditional Medicine, Medicinal Plants and Phytochemistry” 8 th & 9 th Feb. 2019	Ahmednagar College, Ahmednagar & AIMST University, Malaysia
11	The Concept of Waste management	National Conference	“Emerging Trends and Challenges in Biosciences”, 11 th August 2019	R.B.Attal Arts, Science & Commerce College, Georai
12	Role of Internal Quality Assurance Cell in Higher Educational Institutions	National Conference	“New Accreditation process and Quality Enhancement for Rural College”, 4-5 th February 2020	Sunderrao Solanke Mahavidyalaya, Majalgaon.
13	Challenges & Issues of working women in India	National Conference	“Women Empowerment through Entrepreneurship and Skill Development”, 3 rd & 4 th January 2020	Arts, Commerce and Science College, Ashti, Dist. Beed.
14	Effect of Chemical Mutagens on Seedling Height in Cluster Beans {CyamopsisTetragonoloba (L)Taub.} by Mutation Breeding	International e-Conference	“Innovative Research in Science and Technology”, 25 th July 2021	Kalikadevi Arts, Commerce & Science College Shirur (Ka.), Dist. Beed
15	Opportunities and Challenges of Green Chemistry in Sustainable Development	National Conference	“New Trends in Green Chemistry & Environmental Science”, 8 th February 2022, College, Beed.	Department of Chemistry, K.S.K. College, Beed

16	Impacts of Pesticides and Chemical Fertilizers on Human Health and Environment	National Conference	“Recent Development in Chemical Science”, 29 th April 2022	Department of Chemistry, Anandrao Dhonde Alias Babaji Mahavidyalaya, Kada in Collaboration with ACTRA
17	Indian Science and Technology of 75 Years: Innovation and Sustainability	National Seminar	“Azadi ka Amrit Kaal: Achievements, Opportunities and Challenges, 22 nd and 23 rd September, 2023	Asaramji Bhandvaldar College, Deogaon.
18	Impact of Climate Change on Biodiversity in India	National Conference	“Effect of Global Warming on Environment”, 27 th December 2023	Arts, Commerce and Science College, Pimpalner, Dist. Beed.
19	Physicochemical properties for Binary Mixtures of 2-Butanone with Amides at Temperatures between 293.15 308.15 K	National Conference	“Recent Trends in Chemical Sciences Research”, 20 th January 2024	Balbhim College, Beed.

RESEARCH PAPER PUBLICATIONS:

S.N	Type of Journal	Title	Journal Details	Published year
1	International	Densities and viscosities of binary liquid mixtures of 2-butanone with branched alcohols at (293.15 to 313.15) K	Journal of Chemical & Engineering Data 54 (1), ISSN -127-130	2008

2	National	Thermodynamic properties of binary liquid mixtures containing 1, 2-ethanediol and primary alcohols at different temperature	Journal of the Indian Chemical Society 86 (11), ISSN -1190	2009
3	National	Volumetric properties and ultrasonic velocities of binary mixtures of 2-butanone with alkyl acetates at (298.15 to 308.15) K	Journal of the Indian Chemical Society 88 (11), ISSN -1697-1702	2011
4	International	Thermodynamic Properties of binary liquid mixtures of 1- Butanol with aromatic hydrocarbons at 298.15 to 308.15 K	International Journal of Golden Research Though ISSN-2249-894X	2015
5	National	Study of Air Pollution Control Techniques	Population Growth: Environmental Degradation: Problems and Prospects, ISBN-978-1-63535-117-0	2016
6	International	Physical and Biochemical Properties of Soil	International Journal Kesona Report, Issue-II, ISSN-2456-2025	2017
7	International	Domestic Violence and its types and nature	New Man International Journal of Multidisciplinary Studies, ISSN-2348-1390	2017
8	International	Thermodynamic Properties of binary liquid mixtures of 2-Butanone with Branched Alcohols at temperature between 298.15 and 303.15K	Printing Area International Research Journal ISSN:2394-5303	2017
9	International	Ocimum Sanctum-The Indian holy power Medicinal plant	International Journal of Research and Analytical Reviews ISSNNo:2349-5138	2019

10	International	Challenges and Issues of Working Women in India	Research Journey, International Multidisciplinary E-Research Journal	2019
11	International	Role of Internal Quality Assurance Cell in Higher Educational Institutions	Studies in Indian Place Names(UGC Care Journal)-ISSN:2394-3114	2020
12	International	Pesticides and Its Influences	Studies in Indian Place Names(UGC Care Journal)-ISSN:2394-3114	2020
13	International	Food Colour and Chemistry	Studies in Indian Place Names(UGC Care Journal)-ISSN:2394-3114	2020
14	International	Scolecite:As an Efficient and reusable catalyst for the synthesis of 2-Amino-4H-Cromenes	Innovare Journal of Sciences, ISSN:2321-5496	2020
15	International	Atmospheric Chemistry Effects on Climate Change	ANVESAK, UGC Care Group-I Journal, ISSN:0378-4568	2021
15	International	Advanced use of Hydrogen as Fuel	ANVESAK, UGC Care Group-I Journal, ISSN:0378-4568	2021
16	International	Chemistry of Bioluminescence	Journal of Education: Rabindrabharati University, ISSN:0972-7175	2021
17	International	Effect of Chemical Mutagens on Seedling Height in Cluster Beans {CyamopsisTetragonoloba (L)Taub.} by Mutation Breeding	International Journal of Scientific Research in Science,	2021

			Engineering and Technology, ISSN : 2394-4099	
18	International	Opportunities and Challenges of Green Chemistry in Sustainable Development	International Journal of Scientific Research in Science and Technology ISSN: 2395-602X	2022
19	International	Impacts of Pesticides and Chemical Fertilizers on Human Health and Environment	Journal of Science and Technology ISSN: 2456-5660 Volume 7	2022
20	International	Domestic Violence against Women in India	An International Multidisciplinary Quarterly Research Journal, AJANTA, ISSN:2277-5730	2022
20	National	Indian Science and Technology of 75 Years: Innovation and Sustainability	Azadi ka amrit Mahotsav, Post Independent India ISBN:978-93-92220-08-2	2023
21	National	Impact of Climate Change on Biodiversity in India	Current Global Reviewer, International Referred Research Journal ISSN:2319-8648	2023
22	International	Physicochemical properties for Binary Mixtures of 2-Butanone with Amides at Temperatures between 293.15 308.15 K	International Journal of Scientific Research in Science and Technology	2024



Dr. Shama B. Lomate

Head, Department of Chemistry,
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