

Full Name Dr. Bhadane Bhagwan Sahebrao.



Designation Assistant Professor

Office Address Department of Chemistry
Kisan Arts, Com.& Science College,
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Nakanerod Deopur, Dhule.Pin-424002

Date of birth 13/01/1969

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Educational Qualification

Degree	Subject	University	Year of Passing	Percentage	Class
B.Sc.	Chemistry	Pune	1990	65.50	First class
M.Sc.	Organic chemistry	Pune	1992	65.60	First class
Ph.D.*	Solution Chemistry	N.M.U. Jalgaon	1 st December 2014	----	Awarded

Title of the Ph.D. Thesis Studies on Thermo-Acoustical and Clouding behaviuor of Non-Ionic Surfactant with Amino-acid in Aqueous Medium

Guide Prof. T. J. Patil, M.Sc. Ph.D.,
Department of P. G. Research in Chemistry,
Z.B.Patil College, Dhule (M.S.).

Date of Registration 10.05.2008

Date of Ph.D. Award 01.12.2014

Date of Appointment 24/08/1992 to 23/02/1993 F.T. (six month),
21/09/1993 continued

Approval letter

No,415(3) NMU/18/J-25/1923/99 dated 26/5/99.

Approval letter

No,415(1) NMU/94/5/97/5643 dated 18/8/94.

Administrative Experience 25 Years

Head, Department of Chemistry,
K.V.P's Kisan Arts, Commerce and Science College,
Parola, Dist. Jalgaon since 24/08/1992 to 06/03/2005.

Research Experience 06 Years

Research Papers 08

Research Papers presented in Conferences 05

1. **B. S. Bhadane**, T.J.Patil, Influence of Additives on clouding behaviour of Nonionic Surfactant Polyoxyethylene (20) cetyl ether (Brij-58) in aqueous medium., Conference on Emerging trends in Chemistry and Chemical Research (ETCCR-2011), Jai Hind Education Society's Z. B. Patil College Dhule (MS), 18-19 February 2011
2. **B.S.Bhadane**, Presented paper in National Level Conference on "Emerging Trends in Synthetic and Polymer Chemistry"(ETSPC-2013) Organized by Department of Chemistry, B. Raghunath College, Parbhani (MS) on 29-30 December 2013 (OP-1) Molecular Interaction Studies in Surfactant Solution with amino-acid by Ultrasonic velocity and density measurement.
3. **B.S.Bhadane**, Presented paper in National Level Conference on "Recent Trends and Advances in Chemical Sciences "(RTACS-2016) Organized by Department of Chemistry, B. Raghunath College, Parbhani (MS) on 12-13 January 2016 Impact of additives on clouding behaviour of non-ionic Surfactant Solution with amino-acid in aqueous medium.
4. **B. S. Bhadane**, T.J.Patil, Ultrasonic velocity and density Studies for Nonionic Surfactant Polyoxyethylene (10) cetyl ether (Brij-56) with Aminon-acids in aqueous

medium,, National Level Conference on Recent Advances in Chemical & Biological Sciences for Sustainable Development-2018 (RACBSD-2018), Organized by Department of Chemistry, JET's Z. B. Patil College Dhule (MS), 3rd February 2018.

5. Mudawadkar A. D, **Bhadane B.S**, Effect of temperature on -----and study of thermodynamic parameters with micellization, National Level Conference on Recent Trends in life Sciences (RTIS-2019) Organised by SSVP'S Late S.D.Patil Arts Commerce and Science College, Sindkheda, Dist.-Dhule on 18th January 2019.

Minor Research Project (2-Completed: As Principal Investigator)

1. "Physical Biochemical and Metallic Studies of Cattles Milk" in an around Industrial Area. Completed (2006). Ref. No. F-47-196/2003UGC-WRO, Pune 2006.
2. Ultrasonic and Clouding behaviour of nonionic Surfactant with amino acid in aqueous medium. Ref. No. F-47-196/2012 UGC-WRO, Pune.

Orientation/Refresher Courses:

1. Orientation Course at Academic Staff College, Pune, During 03.05.1994 to 30.05.1994.
2. Refresher Course in Chemistry at North Maharashtra University, Jalgoan, During 09/04/1997 to 06/05/1997
3. Refresher Course in Chemistry at North Maharashtra University, Jalgoan, During 12/09/2011 to 02/10/2011.
4. Refresher Course in Environmental Science at Academic Staff College, Poona University Poona and Organized by Z. B. Patil College, Dhule, During 10/11/2014 to 30/11/2014.
5. Short term programme in Advances in Nanoscience and Nanotechnology Sponsered by Savitribai Phule Pune University, Pune, and Organized by P.G.Reaserch Center Department of Physics, Arts Commereces and Science College, Taloda, Dist-Nandurbar,during 22nd to 28th December2017
6. .Successfully completed One Week National Online Faculty Development Program on ICT Tools for Effective Teaching Learning, from 11th to 16th May 2020, organized by School of Mathematical Sciences,Swami Ramanand Teerth Marathwada University, Nanded
7. successfully completed Two Weeks Faculty Development Programme on

"MANAGING ONLINE CLASSES and CO-CREATING MOOCS:2.0" from May 18 - June 03, 2020.

8. Successfully completed One Week Online Faculty Development Programme on "ICT ENABLED TEACHING LEARNING" September 7 - September 13, 2020

List of Publications

1. Effect of Industrial waste on the concentration of Trace metals in Milk of Sheep and Buffalo" V.S.Shrivastava and B.S.Bhadane, Journal of Chemical and Environmental Research 11(3,4)293-296,2002.
2. Co-relation Study among Milk Quality Parameter of Cattles Milk collected from GIDC Surat and Ankleshwar, V.S.Shrivastava and B.S.Bhadane, Int. Journal of ChemicalSci.3(3),485-491(2005).
3. Heavy Metals in cattle's Milk samples collected from Naroda Industrial Area- A Statistical Approach, V.S.Shrivastava and B.S.Bhadane, Indian Journal of Environmental Protection, 25(7) 648-651(2005. ISSN Number 0253-7141
4. Detection and identification of Metals and organics in Dairy waste-water by ICP-AES and Gas Chromatography and Mass Spectrometry, V.S.Shrivastava and B.S.Bhadane, Indian Journal of Environmental Protection, 28(11), 985-991 (2008). ISSN Number 0253-7141
5. Influence of amino-acid on micellar behavior of nonionic surfactant in aqueous medium, B.S.Bhadane and T.J.Patil, Oriental Journal of Chemistry, 25(1) 253-256, ISSN Number (2009). 0970-020X (Print)
6. Thermodynamics of Clouding behaviour of poly-oxyethylene(20)cetyl ether(Brij-58) with amino-acids glycine and serine, B.S.Bhadane and T.J.Patil, AsianJournal of Chemistry 22(2), 1067-1072(2010). ISSN Number 0975-427X (Online)
7. Micellization studies on binary mixture of methionine with polyoxyethylene(10)cetyether (Brij-56) and polyoxyethylene (20) cetyether (Brij-58), B.S.Bhadane and T.J.Patil, E-Journal of Chemistry 7(4),1578-1583(2010).ISSN Number 0973-4945(Online).
8. Conductometric studies on micellar properties of dodecyldimethylammonium bromide in presence ofaddives at various temperature, Mudawadkar A. D ,G.H., Bhadane B.S.,, Patil T. J. Journal of Emerging Technologies and Innovative Research.ISSN:2349-5162,6(3),2019.

Books Published (Chapter)

Sonawane, G.H., Bhadane B. S., Mudawadkar A. D., Patil A. M., A combined effect of ultrasound cavitation on adsorption kinetics in removal of 4-[(4-dimethyl amino phenyl) phenyl-methyl]-N, N-dimethyl aniline along with bio adsorbent. Tenside and Surfactant, International Standard Book Number-13: 978-1-77188-077-0 (Hardcover) Apple Academic Press, by Inc. (2015).

Seminar / Workshop Conference

1. 18th National Conference of Indian Council of Chemist, held at North Maharashtra University, Jalgaon , 27-29 December 1999
2. State level seminar on New Horizons in Chemistry for Agriculture and Society (NHCAS-2011) at SSVPS Late Dr P.R. Ghogrey Science College Dhule on 20 December 2011
3. Actively participated in the One day College Level Workshop On use of ICT in Teaching and Learning Organized by Internal Quality Assurance Cell of KVPS Kisan Arts, Commerce and Science college, Parola11/09/2015.
4. Actively participated in the One day University Level Workshop on 'Syllabus Framing of S. Y. B. Sc. Chemistry' Organized by Department of Chemistry, G.T.P. College, Nandurbar, on 16th February 2016.
5. Actively participated in the One day University Level Workshop on 'Syllabus Framing of T. Y. B. Sc. Chemistry (Organic & Polymer)' Organized by Department of Chemistry, DDNB College, Bhusawal, on 23th January2017
6. Actively participated in the One day University Level Workshop on 'Syllabus Framing of T. Y. B. Sc. Chemistry' Organized by Department of Chemistry, S.P.D.M. Arts S.B.B. &S.H.D. Commerce & S.M.A. Science College, Shirpur, on 27th February 2017.
7. Actively participated in the One day State Level Seminar on 'Chemistry in Drug Discovery and Material Science' Sponsored by BCUD, Savitribai Phule Pune University, Pune, and Organized by Department of Chemistry, MVPS Arts Commerce and Science College, Ozar (Mig), Dist-Nasik on 20th January 2018.
8. Actively participated in the workshop on Capacity Building: New Mantra for Higher Education Sponsered by KBC North Maharashtra University, Jalgaon and Organised by SSVPS L.K.Dr.P.R.Ghogrey Science College,Dhule.on30th Oct.2018.

9. Actively participated in the One day University Level Workshop on ‘Restructuring of the Syllabus of S. Y. B. Sc. Chemistry(CBCS Pattern)’ Organized by Department of Chemistry, Arts, Commerce and Science College, Bhadgaon, Dist.- Jalgaon. On 23rd Feb. 2019

Convener/ Coordinator / Workshops-

1. Coordinator of Chemistry Ability Test Examination 2012-13, Conducted by Department of Chemistry SSVPS Late Dr P.R. Ghogrey Science College Dhule January, 2013.
2. Chaired a Technical Session of State level Workshop on Techniques in preparation of NET- SET Examinations in Chemistry Sponsored by BCUD, North Maharashtra University Jalgaon and Organized by Department of Chemistry Kisan Arts Commerce and Science College, Parola, Dist Jalgaon on, 24-25 January 2014.
3. Coordinator of Chemistry Ability Test Examination 2015-16, Conducted by Department of Chemistry SSVPS Late Dr P.R. Ghogrey Science College Dhule January, 2015.
4. Convener of 6th State level Workshop on Techniques in preparation of NET- SET Examinations in Chemistry Sanctioned by BCUD, North Maharashtra University Jalgaon and Organized by Department of Chemistry Kisan Arts Commerce and Science College, Parola, Dist Jalgaon on 6th February 2015.
5. Organizing Secretary of National level Seminar on “Recent Advances of Chemical Sciences in Sustainable Development”(RACSSD-2019) Sponsored by KBC North Maharashtra University Jalgaon and Organized by Department of Chemistry Kisan Arts Commerce and Science College, Parola, Dist Jalgaon on, 7th Feb. 2019.

Extra-Curricular Activities

- NSS Program Officer 2010-2013.
- Lectures Delivered
 - Delivered plenary talk on Disaster Management in NSS Camp held at Mangrul, Parola on / / 2013
 - Delivered plenary talk on Lab to Land in NSS Camp held at Toli, Parola on 26/12/2014

Place: Parola

Date: Jan 2022

Dr. Bhadane Bhagwan Sahebrao