

CURRICULUM VITAE

Dr. Babita Hanumant Ambekar- Kale

Address: A/P Chandramma Residency, FlatNo.8, Chinchwad, MohanNagar,
Pune-411019

Contact No: **8010869856, 9011613744**

Email : babita.kale95@gmail.com, bakale2022@gmail.com

ACADEMIC QUALIFICATION

- ❖ **Ph.D. in Chemistry:** Department of Chemistry, University of Pune, India,
Year of passing: October 2017
- ❖ **M.Phil in Chemistry** Department of Chemistry, University of Pune, India,
Year of passing: January 2013 Marks /Grade : 'O'grade
- ❖ **M.Sc. in Analytical Chemistry:** Nowrosjee Wadia College, Pune, affiliated
to University of Pune, Maharashtra, India. Year of Passing: 2006
Marks /Grade : 67.30% (First Class)
- ❖ **B.Sc. in Chemistry:** Sadhana College, Pune, affiliated to University of
Pune, Maharashtra, India. Year of Passing: 2004.
Marks /Grade : 69.10% (First Class)

RESEARCH EXPERIENCE

- **From September 2021 to August 2022: Guest researcher** in the group of Dr. Parag Adhyapak, Nanomaterial division, Centre for Material For Electronics Technology (C-MET), Panchavati , off Pashan Road, Pune-411008
- Worked on Synthesis of Functionalized silver nanowires by different method for optical sensing of various gases. Preparation of composite and studied its sensing performance for various gases.
- **July 2014 –October 2017: PhD student** at Department of Chemistry, Savitribai Phule Pune University, Maharashtra, India.

Thesis title: *Synthesis and Characterization of Mandur, Vanga, Yashad and Pital Bhasma.*

- **November 2010- January 2013 :** M.Phil student at Department of Chemistry, University of Pune, Maharashtra, India.

Thesis Title: Studies on various aspects of Liesegang rings.

- **Guided Five M.Sc. Analytical students for research project dissertation**

work (2018-2020)

SKILLS

- Proficiency in presentations, paper writing, project conception and implementation.
- Analytical instruments handled are High performance liquid chromatography (HPLC), UV visible spectrometer, Gas Chromatography, FTIR, Flame photometer, Polarimeter, Fluorometer, Nephelometer, Optical and electrical sensor etc.

ACADEMIC/TEACHING EXPERIENCE

- Working as Assistant Professor at Modern College of Arts, Science and Commerce College(U.G. level), Ganeshkhind, Pune from September 2022
- Teaching experience at Prof. Ramkrishna More college, Pune. (P.G. Level) (from July2019-April 2021)
- Teaching experience at Haribhai V. Desai College, Pune. (P.G. Level) (July2018 – May2019)
- Teaching experience at Modern College of Arts, Science and Commerce College(U.G. level), Ganeshkhind, Pune. (July2017 to April2018)
- Teaching experience as a visiting faculty at AISSMS College of engineering,Pune - (August2012-April2013)
- Teaching experience at Nowrosjee Wadia College (P.G. and U.G level), Pune (Sep.2006-April2009)

AWARD:

Got **Best Paper presentation award** at Conference ‘Current trends in science and technology’ organized by Indian women scientist association on 28th -30th Nov. 2013 at University of Pune (Oral).

PAPER PUBLISHED IN PEER REVIEWED JOURNAL

- **Babita Kale**, Bharat Kale, Parag Adhyapak ‘Comparative optical sensing studies of functionalized silver nanowires prepared by different synthetic routes’ – under preparation
- **Babita Kale** and Nilima Rajurkar, ‘Synthesis and Characterization of Vanga Bhasma’, Journal of Ayurveda and Integrative Medicine2019, Volume10, Page:111-118:(ISSN:0975-9476).
- **Babita Kale** and Nilima Rajurkar ‘Yashad Bhasma: Synthesis and

Characterization, The Pharma Innovation Journal, 2018; Volume7(1): Page:119-122 (ISSN:2277-7695).

- Rajurkar N. S. and **Kale B. A.** and Kantak S., International Journal of Pharmaceutical and Biological Archives, 2015; volume6, Page:21-28.
- Rajurkar N.S and **Ambekar Babita** ‘Studies on periodic precipitation of Cobalt hydroxide system in 1% agar gel medium’, Journal of Molecular Liquid, 2015, Volum 204, Page:205-209.
- Rajurkar N. S. and **Ambekar Babita**, ‘Studies on Liesegang rings of Copper Molybdate in agar gel medium’ Journal of Molecular Liquid, 2013, Volume180, Page:70-73
- N.S. Rajurkar and **B.H. Ambekar** ‘Studies on Liesegang rings of Lead Carbonate’ Environment Observer Journal, 2013, Volume14, Page:68-69 :(ISSN: 2320-5997

❖ **LIST OF PAPERS PRESENTED AT CONFERENCES**

- **Babita Kale** and Nilima Rajurkar, Yashad (Zinc) Bhasma : Synthesis and Characterization Presented at National Conference on Chemical Science: An Interdisciplinary Approach CSIA-2018, held at Modern college of Arts, Science and Commerce, Ganeshkhind, Pune 411016 on 18-20th January 2018.(Oral)
- Rajurkar N.S. and **Kale B.A.** ‘Synthesis and characterization of Yashad Bhasma’ paper presented at 35th Annual Conference of Indian Council of Chemists held at Haribhai V. Desai College, Pune in association with college of Engineering, Pune on 22nd -24th December 2016(Oral).
- “Studies on periodic precipitation of Lead Carbonate” N. S. Rajurkar and **Babita Ambekar** was presented at 31th Annual Conference of Indian Council of Chemist, Saurashtra university, Rajkot held on 26th-28th Dec. 2012(Poster).
- “Studies on Liesegang rings of Copper Molybdate in agar gel medium” N. S. Rajurkar and **Babita Ambekar** was presented at 30th Annual Conference of Indian Council of Chemist, Osmania University, Hyderabad held on 28th-30th Dec. 2011(Oral)

Apart from these I have attended many other national and international conferences.

PERSONAL INFORMATION

DOB: 9th September 1983.

Nationality: Indian.

Marital Status : Married

Language Known: English, Hindi and Marathi

REFERENCE

<p>1) Dr.(Mrs.) Nilima S. Rajurkar Retired Professor and Head Chemistry Department and Former Head Environmental Science Department Savitribai Phule Pune University, Ganeshkhind, Pune-411007, India. Contact No. 9822599531 Email: rnilima@rediffmail.com</p>	<p>2) Prof. Pragati Thakur Professor Department of Chemistry Savitribai Phule Pune University, Ganeshkhind, Pune-411007, India. Contact No.: 7720003492 Email: pragati.thakur@unipune.ac.in</p>	<p>3) Dr. S.S Terdale Associate Professor Department of Chemistry Savitribai Phule Pune University, Ganeshkhind, Pune-411007, India. Contact No.: 9881374709 Email: santosh.terdale@unipune.ac.in</p>
--	--	---

I, Babita Amol Kale hereby assure you that, above information provided are true and necessary documents will be made available if required.

Dr. Babita Kale