


Dr. VANDANA MOHANRAO KAMBLE M.Sc., Ph.D.	
1. Current Designation with Address:	PROFESSOR Department of Chemistry The Institute of Science DR. HOMI BHABHA STATE UNIVERSITY MUMBAI 15-Madam Cama Road, Fort, Mumbai, Maharashtra, India, 400032

2. Department: CHEMISTRY

3. Area of Specialization: ORGANIC CHEMISTRY

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5. Teaching Experience:

a) Since 18 Aug. 1998	Assistant Professor Department of Chemistry M. U. Mahavidyalaya, <i>Udgir, Dist. Latur</i> <i>[Affiliated to S. R. T. M. University, Nanded, Maharashtra]</i>
b) From 22 Dec.2011	Associate Professor Department of Chemistry, The Institute of Science Mumbai Dr. Homi Bhabha State University Mumbai 15-Madam Cama Road, Fort, Mumbai, Maharashtra, India, 400032

6. Refresher/Orientation Courses attended:

1. Orientation course attended UGC-ASC, Dr. B. A. M. University, Aurangabad (2-3-2011 to 30-3-2011)
2. Refresher course attended in chemistry at S.R.T.M.U. Nanded. (Nov.2001 to 16 Dec.2001)
3. Refresher course attended in chemistry at Dr. B.A.M.U. Aurangabad (7 Sept. 2006 to 28 Sept.2006)
4. Foundation Course: Yashda, Pune, (15 July 2013 -24 August 2013)
5. Short Term Course: UGC Academic Staff College, University of Mumbai,

(13 October 2014 – 19 October 2014).

7. Completed and ongoing Research Projects:

Sr. No	Title	Agency	Period	Grant / Amount Mobilized (Rs.)
1	Deoxygenation of Aldoximes and Ketoximes by Pyridinium fluorochromate	UGC	2008 to 2010	60000/-
2	Synthesis of biphenyl iso-oxazoline derivatives and its biological activity	UGC	2014 to 2017	1075800/-

8. Candidates Completed/ Working Ph.D. /M.Phil. /M.Sc. By Research Degree under My Supervision

Sr. No.	Name of candidate	Degree awarded / registered for	Title of Thesis/Dissertation	Date of award/Status
Degree Awarded				
1	Mrs.V.G.Jamalpure	M.Phil.	Kinetics and Mechanism of oxidation of Aliphatic and Aromatic compounds containing Active methylene and methyl groups by selenium oxide	Oct. 9, 2010
2	Mr.G.G.Deshpande	M.Phil.	Characteristics classification and synthesis of different types of drugs	Nov.21, 2011
3	Mr. A.P. Potdar	M.Phil.	A novel approach for oxidation of alcohol to aldehydes and ketones	Feb. 21, 2012
4	Mr. A. P. Keche	Ph.D.	Synthesis and bio activity of substituted urea, thiourea and sulphonamides containing heterocyclic moiety	Aug. 13, 2014
5	Mr. G. D.Hatnapure	Ph.D.	Synthesis and biological activity of novel flavones and chromates derivatives	Aug.13, 2014
6	Mr. S. S. Birajdar	Ph.D.	Studies on synthesis, chemistry and biological activity of heterocyclic containing benzimidazole moiety	Oct.2016

7	Mr. Pashupati Nath Tripathi	M.Sc. by research	Synthesis, Characterizations and Evaluation of Biological Activity of Novel Pyrazolines Compounds	28/7/2017
8	Ms. Supriya Pratap Babar	Ph.D.	Synthesis, Characterizations of Novel Heterocyclic Compounds by using Greener Methods.	28/8/2020
9	Ms. Megha Shankar Garge	Ph.D.	Study of New Methods for the Synthesis of Reactive Organic Reagents and Find out Novel Organic Reagents	Thesis submitted
Working				
1	Mr. Balaji P. More	Ph.D.	Synthesis and characteristic of novel heterocyclic derivatives as potential pesticidal activity	Working
2	Mr. Pashupati Nath Tripathi	Ph.D.	Synthesis, Characterizations and Evaluation of Biological Activity of Novel Pyrazolines Compounds	Working
3	Mr. Rupesh Patil	Ph.D.	Synthesis of Biphenyl Iso-Oxazoline derivatives and its Antimicrobial activity	Working
4	Mrs. Bhakti Shailesh Kajrekar	Ph.D.	To Synthesize the Novel derivatives of Thiadiazoles and determining their Biological Activity	Working
5	Ms. Vrushali Madhukar Panchal	Ph.D.	Synthesis and characteristic of novel heterocyclic derivatives as potential Rodenticide and Biological activity	Working

9. Research publications in Refereed Journals:

Sr. No.	Title	Name of Journal, Volume, Page, Year
1.	Synthesis Of Novel Products By Using Aniline And Ethyl Benzoate	Heterocyclic Letters, Vol. 12, No.1,119-123, Nov.-Jan. 2022
2.	Synthesis and Characterization of Caffeine Drugs Complex	International Journal of all Research Education and Scientific Methods, Vol. 9, Issue 4,13-20, April-2021
3.	Synthesis and Characterization of Sodium Alkoxide as Organic Reagent	Journal of Emerging Technologies and Innovative Research, Volume 8 Issue 3, 2570-2575, March-2021

4.	Solvent-free one pot multi-component synthesis of 3,4-dihydropyrimidone derivatives catalyzed by organic white clay as an cheap and environmentally friendly catalyst	International Journal for Research in Applied Science & Engineering Technology, Vol. 7(9), 467-472, Feb.2021
5.	Synthesis of 1-(5-(3-aminophenyl)-3-phenyl-4,5-dihydro-1-H-pyrazole-1-yl) ethanone Derivatives using Acid Chloride	International Journal for Research in Applied Science & Engineering Technology, Vol.7(VIII), 785-788, AUG. 2019
6.	Synthesis of Acetic Anhydride by using Phosphorous Pentoxide, Sodium Acetate and Calcium Chloride as a catalyst	<i>International Journal for Research in Applied Science & Engineering Technology</i> , Vol.7, VIII, 852-857, AUG.2019
7.	Solvent-free Synthesis of Nitro Chalcones by Organic Clay as a Catalyst and their anti-oxidant activity	International Journal of Research and Analytical Reviews, Vol.6, 2, 166-169, 2019
8.	Synthesis of Thiazole and Oxazole Derivatives by Organic Clay as a Novel Method and their Biological Evaluation	International Journal for Research in Applied Science & Engineering Technology, Vol.7,VIII, 602-607, 2019
9.	Synthesis Anti-inflammatory and Antimicrobial Activities of Some Novel 2-Methylquinazolin- 4(3H)-one Derivatives Bearing Urea, Thiourea and Sulphonamide functionalities	Arabian Journal of Chemistry Doi:10.1016/j.arabjc 2014.10.025 Doi:10.1016/j.arabjc 2014.10.025 2014
10.	Synthesis of 2-substituted-1H-benzo[d]imidazoles through oxidative cyclization of o-phenylenediamine and substituted aldehydes using dioxane dibromide	Res. J. Pharm. Bio. Chem. Sci, Vol.5,487-493, 2014
11.	Synthesis and Biological evaluation of amino alcohol derivatives of 2-Methylbenzimidazole as Antituberculosis and Antibacterial agents	<i>J. Chem. Pharm. Res.</i> , Vol.5, 583-589, 2013
12.	Synthesis, anti-inflammatory and antimicrobial evaluation of novel N1-(quinolin-4yl) ethane-1, 2-diamine phenyl urea derivative	Medicinal Chemistry Research, Vol.22, 1480-1487, 2013

13.	Synthesis and biological evaluation of novel piperazine derivatives of flavone as potent anti-inflammatory and antimicrobial agent	Bioorganic & Medicinal Chemistry Letters, Vol.22 Issue 10, 6385-6390, 2012
14.	Synthesis, anti-inflammatory and antimicrobial evaluation of novel 1-acetyl-3,5-diaryl-4,5-dihydro (1 H) pyrazole derivatives bearing urea thiourea and sulphonamide moieties	Bioorganic and medicinal chemistry letters, Vol. 22,Issue.21, 6611–6615, 2012
15.	A novel pyrimidine derivatives with aryl urea, thiourea and sulphonamide moieties: synthesis, anti-inflammatory and antimicrobial evaluation	Bioorganic and medical chemistry letters, vol.22, Issue.10, 3445–3448, 2012
16.	Synthesis and biological evaluation of a novel series of methoxylated chalcones as antioxidant and anti-microbial agents	Journal of Chemical and Pharmaceutical Research, Vol.3,Issue-6, 639-648,2011
17.	A Green protocol for Erlenmeyer Plochl Reaction by Using [bmIm]OH	Journal of Chemical and Pharmaceautical Research, Vol.3,Issue-4, 285-290, 2011
18.	Basic Ionic liquid promoted one step synthesis of 2-alkyl substituted chromanones	Journal of Pharmacautilical and Chemical Research, Vol.3,Issue-3, 457-463, 2011
19.	Synthesis of 2-Imino-4-Thiazolidonone derivatives and its antibacterial activity	Journal of Pharmaceutical and Chemical Research, Vol.3, Issue-3, 69-76, 2011
20.	Kinetics of oxidation of aromatic aldoximes by pyridinium fluorchromate	Asian journal of chemistry, Vol. 21(7), 5140-5144, 2009
21.	Pyridinium Flurochromate oxidation of acetophenone oximes in acid medium	Journal of Ultra Chemistry, Vol. 4(1), 137-141, 2008
22.	Kinetics of oxidation of acetophenone oximes by pyridinium fluorchromate	Asian Journal of chemistry, Vol. 19(1), 488-492, 2007,
23.	Pyridinium fluorchromate oxidation of benzaldoximes in acid medium	Oriental journal of chemistry, Vol. 22(1), 145-148, 2006

10. Participation and presentation of research paper in Conferences/Symposia

Sr.No.	Title of the paper	Name & Venue of Conference/ Symposia with dates

1.	Synthesis of novel piperazine urea and sulphonamide derivatives of 2-methylbenzimidazole as antitubercular and antibacterial agent	Department of Chemistry, University of Mumbai International Conference held on 26 th and 27 th November 2015
2.	A rapid and efficient microwave-Assisted synthesis of 2-aryl Benzooxazoles by using 1,3 dibromo, 5,5-dimethylhydantoin (DBH) under solvent free condition.	St. Xaviers College Mumbai in International Conference held on 6 th and 7 th January, 2014
3.	Synthesis of novel piperazine urea and sulphonamide derivatives of 2- methylbenzimidazole as antitubercular and antibacterial agent	Department of Chemistry, University of Mumbai in International Conference on 26 th and 27 th November 2015
4.	Kinetics & mechanism of oxidation of Aromatic oximes by PFC	Indian Council of Chemistry, 20th Conference, Mysore University, 20 – 24 Dec. 2001
5.	National Seminar on Biocatalysis & Biomimetic Catalysis in organic synthesis	Dr. B.A.M. University, Aurangabad, 20, 21, March 2009
6.	Synthesis of Novel Biological Important Substituted Chalcone Derivatives	Elphinstone College Mumbai., 21st January 2015
7.	National Conference on frontiers in the field of science, technology and sustainability,	Elphinstone College Mumbai., 14 th and 15 th February 2014
8.	Workshop on new syllabi in chemistry – B.Sc.III YEAR, Semester Pattern	Mahatma Gandhi Mahavidyalaya Ahmedpur, Latur, sponsored by SRTMU Nanded, 10th September 2011
9.	National Seminar on Eco friendly synthesis of organic compounds	Dayanand Science College Latur, sponsored by UGC, 4th and 5th 2011
10.	National conference on latest technologies and their applications in forensic science and digital forensics	Institute of Forensic Science Mumbai, sponsored by Government of Maharashtra, 6th and 7th March, 2012
11.	National Conference on towards excellence in science	The Institute of Science Mumbai, sponsored by Government of Maharashtra, Golden Jubilee Trust Fund, 19 th -20 th January, 2012
12.	National Conference on Industry education initiatives in Chemistry	Dr. B.A.M. University, Aurangabad, 6-8 Feb. 1998
13.	National Symposium on Newer concepts in organic synthesis	Dr. B.A.M. University Aurangabad, 20-21 March 1998

14.	Workshop in Chemistry Scope of the syllabus at B.Sc. III year level	S.R.T.M.U. Nanded M.U.M. Udgir, 9th Dec. 1999
15.	Workshop for Maharashtra state eligibility test (SET) in Chemistry	Yeshwant Mahavidyalaya Nanded, 12-13 July & 3-4- Aug. 2002
16.	University level workshop on discussion on scope of syllabus in chemistry at UG & PG level	Netaji Subhash Chandra Bose College, Nanded, 9th Oct. 2002
17.	Workshop on scope of syllabus of M.Sc. II & B.Sc. II year chemistry	N.E.S. science College, Nanded 30th Aug. 2003

11. Any other Information:

•	Working as JD Nominee for Screening Selection Committee for CAS of Lectures.
•	Worked on various authorities & bodies of the University
•	Working as Referee of Ph. D./ M.Phil. Thesis: Working as Referee for Ph.D. Thesis
•	Working as Referee of Journals and proceedings of conferences
•	Worked as Organizing Secretary of CSIR, New Delhi, and ISGJTF, Mumbai sponsored "National Conference On Recent Trends in Chemistry [NCRTC-2020] Organized by Department of Chemistry, The Institute of Science Mumbai during 13 th to 14 th February, 2020
•	Worked as Organizing Committee Member of RGSTC Mumbai &, NCSTC-New Delhi sponsored "National Seminar On Communicating Recent Trends in Chemistry [NSCRT-2019] Organized by Department of Chemistry, The Institute of Science Mumbai during 27 th to 28 th February, 2019
•	Worked as Organizing Committee Member of RGSTC, Mumbai and NSERTC, Delhi sponsored "National Seminar on Recent Trends in Science and Technology for Sustainable Developments 2018 (RTSTSD 2018)" organized by The Institute of Science Mumbai during 22 nd to 23 rd March, 2018.
•	Worked as Organizing Committee Member for "Science Festival" organized by The Institute of Science Mumbai during 28 th Feb to 16 th March, 2017.

Extensive experience in the multistep synthesis of organic compounds

•	Development of facile methods in organic synthesis
•	Synthesis and characterization of a wide range of organic compounds.
•	Skill in handling air sensitive reaction, reagent and handling reaction at milligram level
•	Separation of product using various separating techniques such as column chromatography and preparative TLC
•	Product characterization by various spectroscopic techniques.
•	Knowledge of several organic reactions, forward synthetic analysis and various analytical techniques.
•	Ability to work independently as well as with group.
•	Synthesis and scale up of new biological active ingredient for development as new drug molecules.

Place: Mumbai
Date: 27/4/2022

Signature
Dr. VANDANA MOHANRAO KAMBLE