CURRICULUM VITAE

Dr. V. A. Adole

Assistant Professor,

Department of Chemistry,

Mahtma Gandhi Vidyamandri's Arts, Science and Commerce College, Manmad, Nashik, MS, India, Pin-423104

Objective: To constantly upgrade my knowledge and skills and make a difference in whatever I do.

Details	
Full Name	Dr. Vishnu Ashok Adole
Designation	Assistant Professor, Department of Chemistry, Mahatma Gandhi Vidyamandir's Arts, Science and Commerce College, Manmad, Nashik, MS, India, Pin-423104
Date of Birth	24.05.1987
Academic Qualification	M.Sc., Organic Chemistry, NET-JRF, SET, GATE
Teaching Experience	10 years teaching experience (10 years UG + 08 years PG)
Work experience on various Committees	❖ Placement officer, ASC college, Manmad (2019-2020) ❖ NAAC Asst. Co-ordinator, ASC college, Manmad (2019-2020) ❖ Website in charge, ASC college, Manmad (2019-2020) ❖ NAAC Co-ordinator, ASC College, Surgana (2018-2019) ❖ AISHE Co-ordinator, ASC College, Surgana (2016-2018) ❖ IQAC member, ASC College, Surgana (2016-2018) ❖ RUSA committee member ASC College, Surgana (2018-2019) ❖ Cyber security and human rights course in charge, ASC college, Nashik (2014-2016) ❖ Skill development course in charge, ASC college, Nashik (2014-2016) ❖ Best chemistry student competition in charge (2010-2016)
Ph.D.	Ph.D. thesis title "Synthesis of Thia, Aza, Oxa Heterocyclic Compounds, Their Biological and Theoretical Study".

Achievements	❖ Gold Medallist in M.Sc. [Organic Chemistry] University of Pune in the year 2009-2010. ❖ Cleared SET & NET Examinations six times each. ❖ Cleared GATE Examination conducted by IIT-Mumbai in the year 2011. ❖ Stood first in the SET (paper-III) examination held at 8th August 2010. ❖ Secured All India rank-20 in the subject of CHEMICAL SCIENCE under CSIR fellowship scheme, June 2011. ❖ Secured All India rank-26 in the subject of CHEMICAL SCIENCE under CSIR fellowship scheme, Dec 2011. ❖ Secured All India rank-25 in the subject of CHEMICAL SCIENCE under CSIR fellowship scheme, 2012.
Resource Person	❖ Delivered lecture as a resource person in the SET/NET WORKSHOP conducted by Arts, Science and Commerce College, Nandurbar ❖ Delivered lecture as a resource person in the SET/NET WORKSHOP conducted by Arts, Science and Commerce College, Nashik ❖ Delivered lecture on “Symmetry elements and points groups” in KVNN shikshan prasarak santhan’s Arts, Commerce and Science College, Nashik ❖ Delivered lecture on “Photochemstry” in KVNN Shikshan Prasarak Santha’s Arts, Commerce and Science College, Nashik ❖ Delivered lecture on “GROUP THEORY” in Arts, Commerce and Science College, Akola. ❖ Delivered lecture on “SPECTROSCOPY” in Rayat Shiksahan Sntha’s R.B.NArayanrao Borawake Arts, Commerce and Science College, Nashik ❖ Delivered lecture on ‘Symmetry elements and points groups” in KVNN shikshan prasarak santhan’s Arts, Commerce and Science College, Nashik ❖ Delivered lecture on ‘STRUCTURE ILLUCIDATION BY SPECTROSCOPIC METHODS” in Mahatma Gandhi Vidyamandir’s Samajshri Prashantdada Hiray College of Pharmacy, Malegaon ❖ Delivered lecture many lectures as a resource person in the

	SET/NET WORKSHOPS which are conducted every year by Loknete Vyankatrao Hiray College ❖ Delivered lecture on "PHOTOCHEMISTRY" in Arts, Commerce and Science College, Cidco, Nashik ❖ Delivered lectures for JEE exam ❖ Many other lectures as resource person
Reviewer of Journals	❖ ChemistrySelect ❖ Journal of Applied Pharmaceutical Science ❖ Material Science Research India ❖ Bentham Science ❖ World Journal of Pharmaceutical Research
Patent	❖ Synthesis of Novel Compound (E)-4-(2-(2-(1,2,6,7-Tetrahydro-8H-indeno[5,4- b]furan-8-ylidene)hydrazineyl)thiazol-4-yl)benzonitrile, Application No. 201921037398 A, Date of filing of Application: 17/09/2019, Publication Date: 11/10/2019.
Book	Intermediates and Rearrangements in Organic Synthesis, Himalaya Publishing House, ISBN- 978-93-5262-001-2
Research Publications	❖ **Adole, V. A.,** Pawar, T. B., & Jagdale, B. S. (2020). DFT computational insights into structural, electronic and spectroscopic parameters of 2-(2-Hydrazineyl) thiazole derivatives: a concise theoretical and experimental approach. ***Journal of Sulfur Chemistry***, 1-18. ❖ **Adole, V. A.,** Waghchaure, R. H., Pathade, S. S., Patil, M. R., Pawar, T. B., & Jagdale, B. S. (2020). Solvent-free grindstone synthesis of four new (E)-7-(arylidene)-indanones and their structural, spectroscopic and quantum chemical study: a comprehensive theoretical and experimental exploration. ***Molecular Simulation***, 46(14), 1045-1054. ❖ **Adole, V. A.,** Jagdale, B. S., Pawar, T. B., & Sawant, A. B. (2020). Experimental and theoretical exploration on single crystal, structural, and quantum chemical parameters of (E)-7-(arylidene)-1, 2, 6, 7-tetrahydro-8 H-indeno [5, 4-b] furan-8-one derivatives: A comparative study. ***Journal of the Chinese Chemical Society.*** ❖ **Adole, V. A**., More, R. A., Jagdale, B. S., Pawar, T. B., & Chobe, S. S.

	(2020). Efficient Synthesis, Antibacterial, Antifungal, Antioxidant and Cytotoxicity Study of 2-(2-Hydrazineyl) thiazole Derivatives. ***ChemistrySelect***, 5(9), 2778-2786. ❖ **Adole, V. A**., Pawar, T. B., & Jagdale, B. S. (2020). Aqua-mediated rapid and benign synthesis of 1, 2, 6, 7-tetrahydro-8*H*-indeno [5, 4-*b*] furan-8-one-appended novel 2-arylidene indanones of pharmacological interest at ambient temperature. ***Journal of the Chinese Chemical Society***, *67*(2), 306-315. ❖ **Adole, V. A**., Pawar, T. B., Koli, P. B., & Jagdale, B. S. (2019). Exploration of catalytic performance of nano-La_2O_3 as an efficient catalyst for dihydropyrimidinone/thione synthesis and gas sensing. ***Journal of Nanostructure in Chemistry***, *9*(1), 61-76. ❖ **Adole, V. A.,** Jagdale, B. S., Pawar, T. B., & Sagane, A. A. (2020). Ultrasound promoted stereoselective synthesis of 2, 3-dihydrobenzofuran appended chalcones at ambient temperature. ***South African Journal of Chemistry***, 73, 35-43. ❖ **8. Adole, V. A.,** Waghchaure, R. H., Jagdale, B. S., & Pawar, T. B. (2020). Investigation of Structural and Spectroscopic Parameters of Ethyl 4-(4-isopropylphenyl)-6-methyl-2-oxo-1, 2, 3, 4-tetrahydropyrimidine-5-carboxylate: a DFT Study. ***Chemistry & Biology Interface,*** 10(1). 22-30.. ❖ **9. Adole, V. A.,** Waghchaure, R. H., Jagdale, B. S., Pawar, T. B., & Pathade, S. S. Molecular structure, frontier molecular orbital and spectroscopic examination on dihydropyrimidinones: a comparative computational approach. ***Journal of Advanced Scientific Research***, 2020. 11 (2), 64-70. ❖ **10. Adole, V. A.,** Jagdale, B. S., Pawar, T. B., & Desale, B. S. (2020). Molecular structure, frontier molecular orbitals, MESP and UV–visible spectroscopy studies of Ethyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2, 3, 4-tetrahydropyrimidine-5-carboxylate: A theoretical and experimental appraisal. ***Material Science Research India,*** 17(specialissue2020), 13-36. ❖ **11. Adole, V. A.,** Waghchaure, R. H., Pawar, T. B., Jagdale, B. S., (2020). Synthesis, Molecular Structure, HOMOLUMO and

	Spectroscopic Investigation of (E)-1-(2,4-Dichloro-5-fluorophenyl)-3- (2,6-dichlorophenyl)prop-2-en-1-one: A DFT Based Computational Exploration. ***Asian Journal of Organic & Medicinal Chemistry***. 5(3), 242–248. ❖ **12. Adole, V. A.,** Koli, P. B., Shinde, R. A., & Shinde, R. S. (2020). Computational Insights on Molecular Structure, Electronic Properties, and Chemical Reactivity of (E)-3-(4-Chlorophenyl)-1-(2-Hydroxyphenyl) Prop-2-en-1-one. ***Material Science Research India***, 17, (Special Issue 1), 41-53. ❖ **13.** Shinde, R. A., **Adole, V. A.,** Jagdale, B. S., Pawar, T. B., Desale, B. S., & Shinde, R. S. (2020). Efficient Synthesis, Spectroscopic and Quantum Chemical Study of 2,3-Dihydrobenzofuran Labelled Two Novel Arylidene Indanones: A Comparative Theoretical Exploration. ***Material Science Research India***, 17(2), 146-161. ❖ **14.** Shinde, R. A., **Adole, V. A.,** Jagdale, B. S., & Pawar, T. B. (2020). Experimental and Theoretical Studies on the Molecular Structure, FT-IR, NMR, HOMO, LUMO, MESP, and Reactivity Descriptors of (E)-1-(2, 3-Dihydrobenzo [b][1, 4] dioxin-6-yl)-3-(3, 4, 5-trimethoxyphenyl) prop-2-en-1-one. ***Material Science Research India***, 17, (Special Issue 1), 54-72. ❖ **15.** Pathade, S. S., **Adole, V. A.,** Jagdale, B. S., & Pawar, T. B. (2020). Molecular structure, electronic, chemical and spectroscopic (UV-visible and IR) studies of 5-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)-1-phenyl-4,5-dihydro-1H-pyrazole: combined DFT and experimental exploration. ***Material Science Research India***, 17(specialissue2020), 27-40. ❖ **16.** Pawar, T. B., Jagdale, B. S., Sawant, A. B., & **Adole, V. A**. (**2016**). Journal of Chemical, Biological and Physical Sciences. ***Journal of Chemical, Biological and Physical Sciences***, *7*(1), 167-175. ❖ **17.** Chobe, S. S., **Adole, V. A**., Deshmukh, K. P., Pawar, T. B., & Jagdale, B. S. (2014). Poly (ethylene glycol)(PEG-400): A green approach towards synthesis of novel pyrazolo [3,4-d] pyrimidin-6-amines derivatives and their antimicrobial screening. ***Archives of Applied Science Research***, *6*(2), 61-66.

	❖ **18. Adole, V. A.** (2020). Synthetic approaches for the synthesis of dihydropyrimidinones/thiones (Biginelli adducts): a concise review. ***World Journal of Pharmaceutical Research,*** 9(6) 1067-1091. ❖ **19.** Microwave Promoted Solvent-free Synthesis, Antifungal Screening, Antioxidant and Computational Study of New Series of Heterocyclic Linked 2-Arylidene Indanones (**Under re-submission**). ❖ **20.** Synthesis, characterization, and computational study on molecular structure, vibrational spectra and frontier molecular orbital analysis of (*E*)-7-((2-chloroquinolin-3-yl)methylene)-1,2,6,7-tetrahydro-8*H*-indeno[5,4-b]furan-8-one (**Under Review)** ❖ **21.** Spectroscopic (FTIR and UV), Antifungal and Antioxidant investigations of (E)-7-(4-(trifluoromethyl)benzylidene)-1,2,6,7-tetrahydro-8H-indeno[5,4-b]furan-8-one: A combined experimental and theoretical study **(Under Communication)** ❖ **22.** Investigation on Molecular Structure, HOMO-LUMO, Spectroscopic and Quantum Chemical Dimensions of 2,3-Dihydrobenzofuran Tethered Chalcones: A Computational Study **(Under Communication)** ❖ **23.** Computational Insights on Molecular Structure, HOMO–LUMO, MESP, and Spectroscopic Investigations of 2-(Furan-2-yl)-1H-benzo[d]imidazole using Experimental and Density Functional Theory Approach **(Under Communication)** ❖ **24.** Transition metals $Ni^{2+,}$ Fe^{3+} incorporated modified ZnO thick film sensors to monitor ❖ the environmental and industrial pollutant gases **(**Not related to my thesis**, Accepted)** ❖ **25.** Structural, Spectroscopic (UV–Visible and IR), Electronic, and Chemical Reactivity Studies of (3,5-Diphenyl-4,5-dihydro-1*H*-pyrazol-1-yl)(phenyl)methanone **(Under review)** ❖ **26.** Synthesis, Molecular Structure, HOMO-LUMO and Spectroscopic Exploration of Four Fluorinated Pyrazolines: An Experimental and Theoretical Examination **(Under re-submission)** ❖ **27.** Superfast Synthesis, Antibacterial and Antifungal Studies of Halo-Aryl and Heterocyclic Tagged 2,3-Dihydro-1H-inden-1-one

	Candidates **(Under re-submission)**
Conferences/Seminars/ Workshop	❖ Presented research paper in International conference **ICINA** AT LVH College, Nashik ❖ Presented research paper in International conference **ICAFM** AT KTHM College, Nashik ❖ Presented research paper in International conference **ICPAS** AT KTHM College, Nashik ❖ Presented research paper in National conference **ETCN** AT LVH College, Nashik ❖ Participated in various National, State and Regional Level conferences, seminars and workshops