

FACULTY PROFILE

Name	Dr. Mahendra Nanduram Lokhande
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Academic Qualifications : M.Sc. B.Ed., NET, Ph.D.

Research Degree(s)

Degrees	Subject	University	Title	Date of Award
Ph.D.	Chemistry	Savitribai Phule Pune University, Pune (MS)	Study of Chiral Aldol Condensation, Michael Addition, Desymmetrization, α -Amination Reactions and Screening of their Chirality Induction during the Enantioselective Synthesis of Drug Molecules	11 Jan. 2013

Period of Teaching Experience: 07 Years and 05 Months

Designation	Period		Organization	Nature of Employment
	From	To		
Assistant Professor	18/06/2013	10 /02/ 2018	Matoshri Nanibai Gharphalkar Science College, from to Babhulgaon Dist, Yavatmal.	Permanent
Assistant Professor	12/02/2018	-	Avvaiyar Government College for Women. Karaikal, Pondicherry U.T.	Permanent

Fields of Specialization under the Subject / Discipline

(a) Organic and Physical Chemistry.

Research Publications : International

Sl. No	Title	Year	Journal/Book	Volume- Page with Impact Factor
1.	Ionic Liquid Promoted Synthesis of β -Enamino Ketones at Room Temperatur.	2006	<i>Synthetic letter</i> (Thieme)	933-935 I.F.: 2.420

2.	Asymmetric Synthesis of (S)-Propranolol, (S)-Naftopidil using Glycerol Desymmetrization Strategy.	2013	<i>J.Braz.Chem.Soc</i>	24,406-409 I.F.: 1.399
3.	Enzymatic transformation of nitro aromatic compounds by a flavin-free NADH azoreductase from <i>Lysinibacillus sphaericus</i> ;	2014	<i>Biotechn. Letters.</i> (Springer)	36, 127-131. I.F.: 1.982
4.	Synthesis of Baclofen as a Neurotransmitter inhibitor.	2015	<i>Res. J. of Chem. Sci.</i>	6-9. I.F.:Nil
5.	Synthesis and Characterization of mixed ligand complexes of Cr (II), Cu(II) and Ni(II) metals containing DMG and dicarboxylic acids as ligands.	2016	<i>Der Chemica Sinica</i>	7, 83-86 I.F: 0.676
6.	Horner-Wadsworth-Emmons olefination useful for the stereoselective total synthesis of antifungal (R)-4-Methoxydecanoic Acid	2017	<i>Advanced Organic Chemistry letters</i>	4 (1), 4-6 I.F.:Nil
7.	Synthesis of Potent Calcimimetics (+)-NPS R-568 by Palladium-Catalyzed Oxidative Kinetic Resolution.	2020	<i>Malaysian Journal of Chemistry</i>	23 (1), 1-6
8.	Synthesis of Neurokinin Substance P (+)-L-733,060 by Jacobsen's Hydrolytic Kinetic Resolution. .	2020	<i>Russian Journal of Organic Chemistry</i> (Springer)	2020 (56) I.F: 0.71
9.	Synthesis, Characterization, Antimicrobial, Antioxidant, Antidiabetic, Anticancer, and Cytotoxic Activities of Mixed Ligand Complexes of Vanadium(IV)	2021	<i>Russian Journal of General Chemistry</i> (Springer)	2021,4, 732–738 I.F: 0.71
10.	Catalytic Sc(OTf) ₃ mediated direct asymmetric aldol reaction of (–)-menthyl isothiocyanatoacetate with aldehydes by using (–)-menthol as chiral auxiliary	2021	<i>Journal of Heterocyclic chemistry</i> (John Wiley)	2021, 58, 1878–1882 I.F: 2.21
11.	Mixed ligand complexes of Vanadium (IV): Synthesis and characterization	2021	The International journal of analytical and experimental modal analysis	2021,13,285-289
12.	Study of optical properties of Europium doped strontium sulphate synthesized by solid state metathesis	2021	The International journal of analytical and experimental modal analysis	2021,13,1035-1043
13.	Synthesis, X-ray diffraction, physical, thermal behavior and chemical studies of Fe/Zn/Cu-NaX zeolite	2021	Material today; Proceeding (Elsevier)	2021 I.F: 1.21

14.	Synthesis of (±)-Baclofen using Wittig Olefination–Claisen Rearrangement.	2021	Appl. Organomet. Chem	.2021, 1(3), 109-11
15.	An expedient synthesis of 3,4-dihydropyrimidin-2(1H)-one derivatives under solvent free condition using titanium oxide as a catalyst.	2022	Material today; Proceeding (Elsevier)	2022. I.F: 1.2
16.	Copper chloride mediated regioselective chlorination of 1-oxotetrahydrocarbazole	2022	Arkivoc	part v, I.F: 1.253
17.	Single step regioselective oxidative iodination of tetrahydrocarbazoles using periodic acid in methanod	2022	<i>Russian Journal of Organic Chemistry</i> (Springer)	Accepted on 26 Oct 2022 - 5 I.F: 0.753
18.	Synthesis, characterization, dielectric study and photocatalytic applications of Cu-NaX for dye degradation	2023	Material today; Proceeding (Elsevier)	Available online 24 April 2023 I.F: 1.2
19.	Ammonium Chloride Mediated Synthesis of 2-Aryl-Phthalazinone From O-Formyl Benzoic Acid and In Silico Applications	2023	Arkivoc	Accepted on 23/04/2023 Under heterocyclic special issue I.F: 1.253

Research Publications: National:

Sl. No	Title	Year	Journal/Book	Volume- Page
1.	Menthol Mediated Synthesis Of (-)-Chloramphenicol Molecule	2013	<i>Souvenir</i>	44-48
2.	Butyric Acid as a Neurotransmitter Inhibitor using Asymmetric Michael addition of Diethyl Malonate to Nitrostyrene,	2016	<i>International Journal of Chemical and Physical Sciences</i>	487-490
3.	Effect of pH on Fungal community at Babhulgaon	2016	<i>Vidyabharathi International Interdisciplinary Res. Jour.</i>	255-256.
4.	Classical Resolution of Glycerol by Desymmetrization Reaction and Crystallographic Study.	2017	<i>Conference Proceedings</i>	37-40.
5.	A Facile Enantioselective Synthesis of N-Butanoyl-(R)-Homoserine Lactone by L-Proline Catalyzed α -Amination.	2018	<i>Indo. Am. J. P. Sci.</i>	5, S67-S72.
6.	Spectrophotometric complexation study of Cu 2+ metal ion with azo dye.	2018	<i>Indo. Am. J. P. Sci.</i>	5, S32-S35.

7.	Synthesis and characterization of Pharmaceutical important drug S-Xibenlol very useful as cardiovascular drug.	2018	<i>Int. J. Sci. Res. Sci. Tech.</i>	4, 174-176.
8.	Synthesis, characterization and temperature dependent study of SAPO-11.	2019	<i>Current Pharma Research</i>	9 (4), 3345-3353.
9.	An improved Sparteine $TiCl_4$ Catalysed Enantioselective Michael Addition of DiethylMalonate to Chalcone	2019	<i>Current Pharma Research</i>	2019, ISSN-2230-7842, 411,90-97.

Books Published:

Title	CoAuthor	Publications	Year
Practical Chemistry For Undergraduate Students	1) Mahendra Lokhande 2) Sachin Khiste 3) Omkar Kapse	ISBN-10 : 6202078960 ISBN-13 : 978-6202078962 Publisher : LAP LAMBERT Academic Publishing Language: : English	December 5, 2017
Medicinal Chemistry of Bioactive molecules	1) Mahendra Lokhande	LULU publication united state,USA ISBN;978-1-257-63105-6	2021
Compound synergy in natural crude extract: a novel concept in drug formulation	Vivek T. Humne and Mahendra N. Lokhande	ISBN: 978-0-443-15232-0 Elsevier	2023

Papers Presented in National / International Conferences:

Sl. No	Topic	Conference	Organized By	Period
1.	Sc(OTf) ₃ mediated asymmetric c-c bond formation via Aldol type condensation reaction.	National :Recent Trends in Chemistry	Department of Chemistry, University of Pune	13, March 2009.
2.	'Stereoselective Synthesis of (R)-(-)-Baclofen as neurotransmitter inhibitor'	International conference on Emerging Trend in chemistry'	Department of Chemistry, University of Pune	5-7 Jan, 2010.
3.	'Desymmetri zation of glycerol as a strategy for asymmetric synthesis of (S)-Propranolol, (S)-Naftopidil, (R)-monobutyryn'	3rd International Conference on Heterocyclic Chemistry entitled	Department of Chemistry, University of Rajasthan	10-13 Dec., 2011.
4.	'Synthesis of (-)-Chloramphenicol via menthol mediated asymmetric Aldol	'1st CRSI Zonal meeting'	NCL,Pune (MS)	May 13-14, 2011

	condensation'			
5.	Sc(OTf) ₃ , mediated Aldol condensation	National conference on Recent Trends in Chemistry	Bharathidarshan University, Tiruchirappalli	24-26 Feb., 2011
6.	Menthol mediated Aldol condensation	Research Student Seminar-	University of Pune.	2011
7.	As Resource fellow Applications of Aldol reaction in synthesis	State level Seminar on Advanced reaction mechanism in organic chemistry	New arts, commerce college, Shevgaon (MS)	17 Feb.2012
8.	Synthesis of Chloamphenicol	National Seminars in chemistry	K.KA. College, Beed (MS)	27-28 Set.2013.
9.	Michael addition of dimethyl malonate to nitrostyrene	National conference	Sant Gadge Baba Amravati University (MS)	2015
10	Effect of PH on soil	National conference Recent trends in conversion of biodiversity	SSSKR Innani Mahavidyalaya (MS)	12 mar. 2016
11	Classical resolution by desymmetrisation strategy	National conference on Recent Advances in Sciences	late Pushpadevi A.Sci. College, Risod. (MS)	09 March 2017
12	Synthesis of Neurokinin Substance P (+)-L-733,060	International Conference	Deogiri college, Aurangabad (MS)	10 to 12 Jan, 2019.

Seminars/Webinars/Workshops/Conferences Organized:

Sl. No.	Seminars/Webinars/ Workshops/ Conferences	Organized By	Period	Convener/ Coordinator/ Member
1.	National workshop on experiment in Physics	Department of Physics and TIFR Mumbai	2016 (5days)	Organizing secretary.
2.	State level Basic Electronics and Circuit Design	Department of electronics and PPTS	2015 (3days)	Coordinator
3.	University level Advanced Basic Electronics and Circuit Design.	Department of electronics and PPTS	2016 (2 days)	Coordinator

Seminars/Webinars/Workshops/Conferences Attended:

Sl. No.	Seminars/Webinars/ Workshops/ Conferences	Organized By	Period
1.	State level workshop on SET in Chemistry	DSM college Parbhani (MS)	17-20 July 2003
2.	National Seminar New trend in chemistry	University of Pune (MS)	19 march 2006
3.	CRSI National Symposium in chemistry.	NCL, Pune	6-8 Feb.2009
4.	6th J-NOST conference	university of Hyderabad	28-3 Jan. 2011.

5.	IQAC 'Accreditation Awareness Workshop	Sant Gadge Baba Amravati University	03/12/2014
6.	Research Performance Metrics and Intellectual Property Rights on	Shri Shivaji Science College Amravati	22/12/2014
7.	National workshop on experiment in Physics	MNG Science College, Babhulgaon	09/12/2015
8.	Importance of Science in Society	Wasantaro Purke college, kalam (MS)	05 feb.2015.
9.	Recent methodology of Institutional Assessment and Accreditation by NAAC	Sant Gadge Baba Amravati University	27 Aug. 2016
10.	Chaired the session on Two day workshop on 'recent Trends in Biomaterials and Biomechanics during	Darda engineering college, Yavatmal (MS)	1-2/04/2016
11.	A workshop on Interactive e- content	Women's Polytechnic College, Pondicherry	4-8/05/2020