

CURRICULUM VITAE

Name : **Dr. Milind Maharu Patil**
(M. Sc., Ph. D. CSIR- NET, GATE)

Designation : ASSISTANT PROFESSOR

Department : CHEMISTRY

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Area of Specialization : ORGANIC CHEMISTRY

Research Area : Organic Synthesis, Heterocyclic Chemistry and Green Chemistry

Address (Residential) : FLAT NO, 303, NRI VILLAS, MALONI, SHAHADA



ACADEMIC QUALIFICATION

Exam Passed	Board/University	Subject/Specialization	Year	Division/Grade Merit etc.
Basic Qualification				
Ph. D. (Chemistry)	KBC NMU, Jalgaon	Chemistry	February-2020	AOA
M. Sc. (Organic Chemistry)	NMU, Jalgaon	Organic Chemistry	April-2009	First Class with Distinction (73.28%)
B. Sc. (Chemistry)	NMU, Jalgaon	Chemistry	April-2007	First Class with Distinction (75.17%)
HSC	Nasik	Science (PCBM-IT)	February-2004	First Class (61.67%)
SSC	Nasik	-	March-2002	First Class (62.53%)
Additional Qualification				
NET	CSIR-UGC	Chemical Sciences	June - 2011	Qualified AIR - 19 (LS)
GATE	IIT, Madras	Chemistry	February-2011	Qualified AIR - 417
NET	CSIR-UGC	Chemical Sciences	June-2010	Qualified AIR - 198 (JRF)
GATE	IIT, Guwahathi	Chemistry	February-2010	Qualified AIR - 287
NET	CSIR-UGC	Chemical Sciences	June-2009	Qualified AIR - 150 (LS)
GATE	IIT, Roorkee	Chemistry	February-2009	Qualified AIR -303
MH-CIT	MKCL	Computer	March-2005	91 %

ACADEMIC AND RESEARCH PROFILE

- Google Scholer: <https://bit.ly/3G1ip8K>
- ORCID: <https://orcid.org/0000-0001-7053-8277>
- Researcher ID: [P-7487-2015](#)
- Scopus Author ID: [35734747400](#)
- Research Gate [Milind-Patil-10](#)

Citation Profile (Google Scholer)

	All	Since 2017
Citations	61	43
h-Index	2	2
i10-Index	1	1

Research Experience and Training

Research Stage		Title of Thesis/ No. of Students Working	University
Recognized Ph. D. Guide in Chemistry Subject		Working: 02 Completed: 00	KBC NMU, Jalgaon
Ph. D. (February 2020)		SYNTHESIS OF HETEROCYCLIC COMPOUNDS USING SUCCINIMIDES AND GLUTARIMIDES	KBC NMU, Jalgaon
Professional Training			
Sr. No.	Training programme	Date and place	Place
1	Faculty improvement for Research in Science and Technology (FIRST-2015)	18 th to 24 th June, 2015	North Maharashtra University, Jalgaon, Maharashtra
2	'Indian Nanoscience Users Programme (INUP) Hands-on Training Workshop on Nanofabrication Technologies'	27 th to 30 th December, 2016	Indian Institute of Technology (IIT), Bombay, Maharashtra
3	Refresher Course in Chemistry on Recent Trends in Chemistry	30 th May to 18 th June, 2016	HRDC, RDDV, Jabalpur, Madhya Pradesh
4	Online Refresher Course in Chemistry for Higher Education Faculty	1 st November 2018 to 28 th February 2019	GDA TLC Swayam ARPIT (UGC-MHRD)
5	Online Refresher Course in Online Basic Training on Use of ICT in Teaching-	7 th to 23 rd April 2020	TLC Tezpur University (MHRD PMMMNMTT)

	Chemistry		
6	MS-DEED Level 1 MS-DEED Level 1 Online Workshop on Introduction to Innovative Pedagogies for UG Teachers	14 th to 16 th December 2021	Online IISER, Pune (MSFDA)
7	MS-DEED Level 1 Master Training Workshop	16 th to 28 th May 2022	IISER, Pune (MSFDA)

Publications

➤ Research Article:

8. Patil, Y. A., Patil, J. K., & Patil, M. M. (2022). Avanafil – Potent PDE5 inhibitors for erectile dysfunction: An updated review on analytical method for bulk and dosage form. *International Journal of Research and Analytical Reviews*, 9(2), 843-849.
7. Patel, M. K., & Patil, M. M. (2022). Growth, UV and IR Characterization of Tri- Glycine Potassium Sulphate [NH₂CH₂COOH- K₂SO₄] single [GPS] crystal. *YMER*, 21(2), 275-280.
6. Dhivare, R. S., Patil, M. M., & Raajput, S. S. (2020). Chemistry of Covid-19 Associated in Pandemic Context. *Journal of Research and Development*, 10(8), 122–124. <https://doi.org/10.5281/zenodo.3922983>
5. Patil, M. M., & Rajput S. S. (2017). Green synthesis and antimicrobial evaluation of N-aryl cyclic imides using silica bound benzyl chloride mediated solid phase synthesis, *International Journal of Green and Herbal Chemistry*, 7 (1), 35-46.
4. Patil, M. M., & Rajput S. S. (2016). Synthesis and antimicrobial evaluation of 2,6-bis((e)-(2-Hydroxynaphthalen-1-yl)diazenyl)-1-substituted Phenyl-1,4-dihydropyridine3,5-dicarbaldehyde. *World Journal of Pharmaceutical Research*, 5 (10), 585- 595.
3. Patil, M. M., & Rajput S. S. (2016). Synthesis and antimicrobial evaluation of some novel diazo derivative of cyclic imides using diazotization coupling reaction. *Chemical Science Review and Letters*, 4 (17), 59-65.
2. Rajput, S. S., Patil, M. M. & Patole, S. S. (2014). Synthesis and characterization of bis heterocyclic compounds using cyclic imides. *Journal of Advance in Science and Technology*, 14 (2), 29-32.
1. Patil, M. M., & Rajput S. S. (2014). Succinimides: Synthesis, reaction and biological activity. *International Journal of Pharmacy and Pharmaceutical Sciences*, 6(11), 8-14.

➤ **Books:**

5. Polymer Chemistry CH-606 (A) SEM-VI , Nirali Publication, 2021.
4. Green Chemistry CH-506 (B) SEM-V , Nirali Publication, 2020.
3. Chemistry in Everyday Life CH-366 (D) SEM-VI , Vrinda Publications, 2017.
2. Environmental Chemistry CH-336 (B) SEM-V , Prashant Publication, 2017.
1. Environmental Chemistry CH-356 (B) SEM-V , Prashant Publication, 2014.

➤ **Patents:**

6. Patent Numbered 202021054443 (dated 15-12-2020) NOVEL PHENYL-9H-PYRROLO DIPYRIDINE DIOL COMPOUNDS THEREOF
5. Patent Numbered 202021054440 (dated 15-12-2020) NOVEL DIHYDRAZINYL-PYRROLO BIS OXADIAZEPINE AND DIHYDRAZINYL-DIHYDROPYRIDO BIS-OXADIAZEPINE COMPOUNDS THEROF
4. Patent Numbered 202021054438 (dated 15-12-2020) PHENYL-5,10-DIHYDROPYRIDO NAPHTHYRIDINE DIOL NOVEL COMPOUNDS THEREOF
3. Patent Numbered 201821028492 (dated 30-07-2018) NOVEL DIHYDRAZINYL-PYRROLO BIS OXADIAZEPINE AND DIHYDRAZINYL-DIHYDROPYRIDO BIS OXADIAZEPINE COMP
2. Patent Numbered 201821028492 (dated 30-07-2018) NOVEL DIHYDROPYRIDO NAPHTHYRIDINE DIOL COMPOUNDS AND PROCESS FOR PREPARATION THEREOF
1. Patent Numbered 201821028492 (dated 30-07-2018) NOVEL PYRROLO DIPYRIDINE DIOL COMPOUNDS AND PROCESS FOR PREPATATION THEREOF

Paper Presentation

Sr. No.	Title of Paper	Level	Place	Period
6	Synthesis and antimicrobial evaluation of biologically active dihydrazinyl-pyrrolo bis oxadiazepine and dihydrazinyl-dihydropyrido bis oxadiazepine compounds from halo vinyl aldehyde of substituted cy	National	IISER Bhopal, Madhya Pradesh, India	13-15/07/2018
5	SYNTHESIS AND CHARACTERIZATION OF BIS HETEROCYCLIC COMPOUND USING CYCLIC IMIDES	International	SOCS, NMU, Jalgaon	6-8 Feb. 2014
4	STIMULATION OF SEEDLING GROWTH BY SEED TREATMENTS WITH HALOVINYL ALDEHYDE DERIVATIVES		NMU, Jalgaon	13-14 Dec. 2012

3	Characterization of Nanocrystalline CdS Thin Films deposited By Novel Chemically Arrested Route	National	Eklavya Kendra, NAndurbar	28 March 2012
2	Effect of Dichloro-diformyl derivatives of Succinic and Glutaric anhydride on root growth of wheat		Shivaji University, Kolhapur	13-15 Jan 2012
1	Effect of Dichloro-diformyl derivatives of Succinic and Glutaric anhydride on root growth of wheat		NMU, Jalgaon	28-29 Dec. 2011

Research Project Carried Out

Sr. No.	Funding Agency	Project Title	Project Period and Amount	Present Status
1	University Grant Commission	SOLID PHASE SYNTHESIS OF N-ARYL CYCLIC IMIDES AND ITS DERIVATIVES	2014-2016 [Rs. 359400]	Completed

Conference / Symposium / Workshop Organized:

Sr. No.	Title of Conference / Symposium / Workshop	Level	Place	Period
1	Workshop - [Curriculum Restructuring of M.Sc. Chemistry (Part-I) as per CBCS Pattern]	University	PSGVPMs ASC College, Shahada	24/05/2021
2	Workshop - [How to prepare for CSIR-NET, SET & GATE Examination in Chemical Sciences]	National	PSGVPMs ASC College, Shahada	7-8/03/2021

Conference / Symposium / Workshop Attended:

Sr. No.	Title of Conference / Symposium / Workshop	Level	Place	Period
1	Workshop - [Train the Teacher Training Programme]		KBC NMU, Jalgaon	20-23/07/2020
2	Workshop - [E Content Development]	National	PSGVPMs ASC College, Shahada	13/07/2020
3	Workshop - [RUSA Web Based Software application]	National	SVPKMs Mithibai College ASC and Economics, Mumbai	08/07/2020
4	Workshop - [Lets Learn Online]	National	PSGVPMs ASC College, Shahada	29/07/2020
5	FDP - [Effective Documentation for Accreditation]	National	IQAC Cluster, India	12/01/2021 to 23/03/2021
6	Workshop - [To prepare documentation more effectively]	National	Dr. C. V. Raman University	10-15/07/2020

7	Workshop - [Hand-On Practice on Different Tools Used in Chemistry]	National	Shri Rajendra Suri Govt. College, Sardarpur-Rajgarh, Dhar, Madhya Pradesh	08/03/2021
8	Webinar - [How to increase your voice texture for impressive singing]	National	SST College of arts and Commerce, Ulhasnagar	25/06/2020
9	Webinar - [Introduction to Social Media Marketing]	National	SST College of arts and Commerce, Ulhasnagar	16/06/2020
10	Webinar - [Opportunities in Chemical Sciences post Covid-19 Scenario]	National	Smt. G. G. Khadse College, Muktainagar, Dist- Jalgaon	26/06/2020
11	Webinar - [ONLINE STUDENT REGISTRATION, ADMISSION, ONLINE FEES COLLECTION & ONLINE LEARNING]		MasterSoft ERP Solutions Pvt. Ltd. Nagpur	18/06/2020
12	Webinar - [Best Practices in Laboratory Safety Management]	National	ASC College, Chikhaldara, Dist- Amarawati	26/12/2020
13	Webinar - [Biodiversity and Its Conservation]	National	PSGVPMs ASC College, Shahada	22/05/2021
14	Webinar - [Advanced Materials for Energy Applications]	National	DEPARTMENT OF STUDIES IN PHYSICS, MANGALORE UNIVERSITY, KARNATAKA, INDIA	31/05/2021
15	Webinar - [Features of ChemDraw and Greener Aspect of Drug Discovery]	National	GE Society's RNC Arts, JDB Commerce and NSC Science College, Nashik Road, Nashik	23/07/2020
16	Webinar - [Parenting Education We and Our Children]	National	K. K. Wagh English School, Nashik	20/06/2020
17	Webinar - [Executions and artistic procedure for preparation of SSR as per new Dimension of NAAC]	National	A. V. Patil ASC College, Aland (Karnataka)	19/01/2021
18	Conference - [International Conference on Research Outlook, Innovation and Research Trends]	International	IJASRW	29-30/08/2020
19	Bal Vigyan Mela - [Bal Vigyan Mela for Tribble Childers]		PSGVPMs ASC College Shahada	23-24/09/2019
20	Workshop - [ICT Enablement in Educational Institute for betterment of academic delivery and statutory adherence]		Nasik	15/11/2019
21	Workshop - [Online Basic Training of Use of ICT in Teaching]	National	TLC Tezpur	20-23/04-2020
22	Workshop - [Basics of SPSS]	National	El Shaddai Academy, Vellore, Tamilnadu	06/05/2020
23	STC - [Online teaching using google classroom and google form]	National	Adarsh College of Pharmacy, Vita	15/05/2020
24	Webinar - [Achieving Excellence in	National	Sharda University	03/06/2020

	Higher Education in India in 21st century: Challenges and opportunities]			
25	Webinar - [Getting Ready for NAAC]	National	MIT World Peace University, Pune	31/05/2020
26	Webinar - [How to create educational video]	National	YouTube - Dr. Anawarr	10/05/2020
27	Webinar - [What to do with my intelligence?]	National	Government Institute of Science, Aurangabad	12/05/2020
28	Webinar - [Career opportunities in television]	National	SST College of arts and Commerce, Ulhasnagar	18/05/2020
29	STC - [Covid-19 Awareness]	National	MJB Govt. Girls College, Moti Tabela, Indore (MP)	18-24/05/2020
30	Summit - [Job Ready Summit]	National	apli.ai, IIT Bombay	10/06/2020
31	CABCIN Info Day - [2nd CABCIN Info Day]		PSGVPMs ASC College, Shahada	29/10/2018
32	Workshop - [Innovation, Invention and Patents]	National	PSGVP DNP CoE, Shahada	14-16/09/2018
33	Startup India - [Startup India Maharashtra Yatra 2018]		Nagapur	03/10/2018
34	Workshop - [Swayam MOOCs: An opportunity to be global student and teacher]	National	GVSs Arts College, Bamakheda	28/02/2019
35	Avishkar - [Avishkar-2018]		KBC NMU, Jalgaon	2-3/01/2019
36	Avishkar - [Avishkar-2018]		PSGVPMs CoP, Shahada	26/12/2018
37	Conference - [Recent trends in novel methods of synthetic chemistry]	National	PSGVPMs ASC College, Shahada	22/02/2019
38	Symposium - [23rd CRSI National Symposium in Chemistry]	National	IISER, Bhopal	13-15/07/2018
39	Workshop - [Syllabus reframing of MSc Organic Chemistry (Sem-III & IV)]		SSVPS LK Dr. PRG Science College, Dhule	12/03/2018
40	Workshop - [INUP-Hands-on training workshop nanofabrication technology]	National	IIT, Bombay	19-23/02/2018
41	Avishkar - [Avishkar-2017]		NMU, Jalgaon	29-30/12/2017
42	Avishkar - [Avishkar-2017]		ASMs ACS College, Taloda	21/12/2017
43	Workshop - [Syllabus framing workshop of TYBSc Chemistry]		SPDM, Shirpur	27/02/2017
44	Workshop - [Syllabus Framing in Chemistry]		PSGVP ASC College, Shahada	25/02/2017
45	Workshop - [Workshop on Scientific Writing]	International	Ganpat university, Mehsana, Gujrat	8-9/05/2017
46	Avishkar - [Avishkar-2016]		NMU, Jalgaon	12-13/01/2017
47	Avishkar - [Avishkar-2016]		GTP ACS College, Nanadurbar	3/01/2017

48	Avishkar - [11th Maharashtra State Level Interuniversity Research Convention]		SRTM University, Nanded2	27-29/01/2017
49	Conference - [Current and emerging trends green chemistry]	National	RCP ACS, Shirpur	18-19/01/2017
50	Conference - [6th International Science Congress (ISC-2016)]	International	HRM, Rajagurunagar, Pune	8-9/12/2016
51	Workshop - [On Screen Evaluation]		PSGVPM's ASC College, Shahada	29/09/2016
52	Conference - [Structure Interpretation of Organic Compound]	National	RCPIP, Shirpur	24/09/2016
53	Conference - [Recent Advances in Novel Drug Carrier System]	National	PSGVPM's COP, Shahada	05/09/2016
54	Workshop - [Indian patenting and Filing Procedure]		NMU, Jalgaon	23/08/2016
55	Avishkar - [State Level Avishkar]		SPPU, Pune	10-12/01/2016
56	Avishkar - [University level Avishkar]		NMU, Jalgaon	22-23/12/2015
57	Avishkar - [District Level Avishkar]		PSGVPM's ASC College, Shahada	22/11/2015
58	SEMINAR - [HERBAL COSMATICS: A SAFE AND EFFECTIVE APPROACH]	National	PSGVPMs College of Pharmacy, Shahada	3 Oct. 2015
59	Workshop - [FACULTY IMPROVEMENT FOR RESEARCH IN SCIENCE AND TECHNOLOGY]	National	SOCS, NMU, Jalgaon	18-24 Jun. 2015
60	ORIENTATION PROGRAMME - [UGC SPONSORED ORIENTATION PROGRAMME]	National	University of Rajasthan, Jaipur	27 Oct.-22 Nov. 2014
61	AVISHKAR 2014 - [AVISHKAR 2014]		NMU, Jalgaon	17-18 Oct. 2014
62	Workshop - [GREEN CHEMISTRY]		SPDM ASC College, Shirpur	15 Sep. 2014
63	Conference - [GLOBAL OPPORTUNITIES FOR LATEST DEVELOPMENT IN CHEMISTRY AND TECHNOLOGY-2014 (GOLD-CT-2014)]	International	SOCS, NMU, JALGAON	6-8 Feb. 2014
64	Workshop - [WORKSHOP ON SYLLABUS FRAMING IN CHEMISTRY]		GTP ASC College, Nandurbar	6 Jan. 2014
65	Conference - [RECENT EMERGING TREND IN PLANT SCIENSES (RETPS-2013)]	National	PSGVPMs ASC College, Shahada	6-7 Sep. 2013
66	Workshop - [SYLLABUS DEVELOPMENT WORKSHOP]		PSGVPMs ASC College, Shahada	20-22 Jun. 2012
67	SEMINAR - [THE ROLE OF CHEMISTRY IN OUR LIVES]	International	PSGVPMs ASC College, Shahada	25 Feb. 2011

68	Conference - [INNOVATIONS IN CHEMISTRY-LOBORATORY TO SOCIETY]	National	School of Chemical Sciences, NMU, Jalgaon	11 Mar. 2013
69	Workshop - [RESEARCH METHODOLOGY]		NMU, Jalgaon	20-24 Sep. 2012
70	Conference - [Animal Biodiversity and Recent Trends in Zoological Research (ABRTZ-2013)]	National	PSGVPM's ASC College, Shahada	6-7 Dec. 2013
71	Workshop - [Research Methooogy Presentation]		PSGVPM's College of Pharmacy, Shahada	21 Sep. 2013
72	Conference - [ICLS-2013 Innovation in Chemistry - Laboratory to Society]	National	School of Chemical Sciences, North Maharashtra University, Jalgaon	11 Mar. 2013
73	AVISHKAR-2012 - [AVISHKAR-2012]		NMU, Jalgaon	13-14 Dec. 2012
74	Conference - [Trends in Chromatography and Spectroscopic Techniques]	National	R. C. Patel, Institute of Pharmaceutical Education and Research, Shirpur	6 Oct. 2012
75	AVISHKAR 2011-12 - [AVISHKAR 2011-12]		Shivaji University, Kolhapur	13-15 Jan. 2012
76	AVISHKAR-2011 - [AVISHKAR-2011]		NMU, Jalgaon	28-29 Dec. 2011
77	Conference - [Nanostructures & Nanomaterials]	National	Eklaya Kendra, Nandurbar	28 March 2012
78	Workshop - [Project, Thesis & Paper Writing in Chemistry]		NMU, Jalgaon	9 March 2012
79	Workshop - [Research Methodology]		PSGVPM's ASC College, Shahada	28 Feb. 2012
80	Conference - [Recent Advances in Polymer Science]	National	PSGVPM's College of Pharmacy, Shahada.	24-25 Feb.2012
81	Conference - [1st International Science Congress]	International	Maharaja Ranjitsingh College, Indore.(M.P)	24-25 Dec. 2011

Teaching Experience

Sr. No.	Name of Employer	Designation	Nature of Post	Duration	Pay Scale	Reason for Leaving
1	PSGVP Mandals Arts, Science and Commerce College, Shahada	ASSISTANT PROFESSOR	Permanent	06-12-2010 - Till Date	15600-6000-39100	
2	PRATAP COLLEGE, AMALNER	ASSISTANT PROFESSOR	Temporary	03-08-2009 - 05-12-2010	12000 PM	JOINING TO PERMANENT POSITION

Any other information

➤ **Awards and Honors**

- First Prize in 6th Maharashtra State Inter-University Research Convention Avishkar-2011-12 at Shivaji University, Kolhapur (MS).
- First Prize in University Level Research Convention Avishkar-2011 at North Maharashtra University, Jalgaon (MS)
- Samaj Gaurav Puraskar-2012 by Kedareshwar Pratishtan, Pune
- Second Prize in University Level Research Convention Avishkar-2015 at North Maharashtra University, Jalgaon (MS)
- Selected for 10th Maharashtra State Inter-University Research Convention Avishkar-2015-16 at Savitribai Phule Pune University, Pune (MS)
- International Young Scientist Best Oral Presentation Award in 6th International Science Congress (ISC-2016) held at Hutatma Rajguru Mahavidyalay, Rajgurunagar, Pune (MS)
- First Prize in University Level Research Convention Avishkar-2016 at North Maharashtra University, Jalgaon (MS)

➤ **Membership of Professional Bodies**

- Fellow of Indian Council of Chemists (ICC AF/8051)
- Fellow contributor of International Science Community Association (ISCA Fellow-FC-578)
- Life Member: Chemical Research Society of India (CRSI LM 2012)
- Life Member: Association of Chemistry Teacher (ACT LM 2050)
- Life Member: Association of Chemistry Teacher, KBC NMU (ACT-KBCNMU)

➤ **Social media links**

- YouTube: <https://www.youtube.com/c/Paathshaala>
- Telegraam: <https://t.me/chemsoc>
- Facebook: <https://www.facebook.com/milindpro/>
- Instagram: <https://www.instagram.com/milindpro/>

Date: June 15, 2022

Place: Shahada

(Dr. Milind M. Patil)