Profile of the Faculty

1. General Information:

Name of the Faculty	:	**Dr. Vishvanath D. Patil**
Name of the Department	:	**Chemistry**
Educational Qualifications	:	**M.Sc., B. Ed, Ph.D.**
Present Position	:	Associate Professor in Chemistry
Address for Correspondence	:	**A-102,** Yogeshwer Darshan CHS,. Plot No. 92 to 95, Sector-4, New Panvel, Raigad, Pin no. 410206
E-mail	:	vishvanathpatil@yahoo.com/ vishvanathpatil@gmail.com
Contact Number	:	Mob. No. 9221233540/ 8356859500
Specialization	:	Organic Chemistry
Total teaching experience	:	UG= 23,years, PG= 19Years
Courses taught	:	F.Y./S.Y./T.Y. B.Sc, M.Sc. theory and practical.
Research experience	:	12 Years
Number of students registered for Ph.D. degree	:	03
Number of students awarded Ph.D. degree	:	02
Number of students registered for P.G degree by research		01
Number of students awarded P.G degree by research		-

2. Publication of Research Papers:

UGC listed journals	**:**	**12**
Peer reviewed journals	**:**	**32**
Non-peer reviewed journals	**:**	**5**
Conference proceedings	**:**	**12**

3. List of Publication of Research Papers:

Research Scholar citation list available in google search
Dr. vishvanath D.patil

C.K.Thakur A.C,S. College New Panvel,

Raigad, Maharashtra, India

1. A simple and efficient method for sulfonylation of amines, alcohols and phenols with cupric oxide under mild conditions GA Meshram, VD Patil Tetrahedron Letters 50 (10), 1117-1121, 63 2009
2. Simple and efficient method for synthesis of bis (indolyl) methanes with Cu(BF4) 2· SiO2 under mild conditions GA Meshram, VD Patil Synthetic Communications 40 (1), 29-38, 38 2009
3. Mild and efficient synthesis of benzimidazole using lead peroxide under solvent-free conditions VD Patil, J Patil, P Rege, G Dere Synthetic Communications® 41 (1), 58-62, 31 2010
4. A mild and efficient synthesis of Benzimidazole by using zinc acetate under solvent free condition JA Vishvanath D. Patil*, Medha Gole, Shramesha Mhatre Der Chemica Sinica 1 (2), 125-12931 2010
5. Simple and efficient method for acetylation of alcohols, phenols, amines, and thiols using anhydrous NiCl2 under solvent-free conditions GA Meshram, VD Patil Synthetic Communications® 39 (14), 2516-2528 24 2009
6. Synthesis of bis (indolyl) methanes in catalyst-and solvent-free reaction VD Patil, GB Dere, PA Rege, JJ Patil Synthetic Communications 41 (5), 736-747 20 2011
7. Chemoselective Synthesis of 1, 1-Diacetates from Aldehydes Using Anhydrous Cobalt (II) Bromide Under Solvent-Free Conditions GA Meshram, VD Patil Synthetic Communications® 40 (3), 442-449,12 2010
8. Synthesis of Benzimidazole and Benzoxazole Derivatives Catalyzed by Nickel Acetate as Organometallic Catalyst. VD Patil, KP Patil, International Journal of Chem Tech Research 8 (11), 457-465, 5 2015
9. Efficient Synthesis of Benzimidazole and Quinoxaline Derivatives with ZnO.H2O2 under mild conditions GA Meshram, VD Patil, International Journal of Chemical Sciences 8 (1), 119-131, 4 2010
10. Efficient Synthesis of Benzimidazole and Quinoxaline Derivatives with ZnO.H2O2 under mild conditions GA Meshram, VD Patil; Organic Chemistry : An Indian Journal 6 (1), 139-143, 4 2010

11. Efficient synthesis of biscoumarins using zinc acetate as a catalyst in aqueous media VD Patil, KP Patil, NR Sutar, PV Gidh Chemistry International 3 (3), 240-243, 3, 2017
12. SYNTHESIS OF BENZOXANTHENES AND 1-AMIDOALKYL-2-NAPHTHOLS USING SOLID SUPPORTED PbCl2 UNDER SOLVENT FREE CONDITION VD Patil, NR Sutar, KP Patil, Heterocyclic Letters 6 (4), 701-707, 3 2016
13. Synthesis and Characterization of Nanocrystalline In2O3 and Its Efficacy as a Catalyst for the One Pot Synthesis of Amidoalkyl Naphthols VD Patil, JS Thakur, S Mhatre, M Gole, A Jaiswal Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal …3, 2013
14. SiO2. TTC: Efficient Catalyst for Synthesis of 3, 4-Dihydropyrimidine-2 (1H)-ones/Thiones VD Patil, PV Gidh, AM Salve Der Chemica Sinica 8 (2), 247-253, 2 2017
15. Phenyl boronic acid promoted efficient synthesis of perimidine derivatives under mild condition VD Patil, KP Patil, NR Sutar, PV Gidh Chemistry International 3 (3), 195-201 2 2017
16. One-pot synthesis of 1,5-benzodiazepine derivatives catalyzed lead acetate under solvent free condition PVG Vishvanath D. Patil*, Ketan P. Patil, Nagesh. R. Sutar Heterocyclic Letters 6 (1), 61-69, 2 2016
17. BiCl3 – an eco-friendly catalyst for an efficient synthesis of benzoxazoles at room temperature VD Patil, NR Sutar, KP Patil, P Giddh Chemistry of Heterocyclic Compounds 51 (11-12), 1019-1022, 2 2015
18. Chemoselective acylation of amines, alcohols and phenols using magnesium chloride under solvent free conditions; VD Patil, NageshSutar, R., KP Patil, PV Gidh International Journal Of chemical Science 13 (1), 450-458, 2 2015
19. Magnesium acetate catalysed synthesis of glycoluril derivatives via cyclocondensation of benzil and urea/thiourea VD Patil, KP Patil, NR Sutar, PV Gidh Heterocyclic Letters 6 (2), 259-264,1 2016
20. Nickel Acetate as efficient Organometallic Catalyst for Synthesis of Bis, (Indolyl) Methanes NRSPVG VishvanathD.Patil*, KetanP.Patil International Journal of chemical Science 13 (2), 857-862, 1 2015

21. Efficient SYnthesis of Bis(indoyl) methanes by using SIlica supported TCAA VD Patil, PV Gidh, PC Patil, NageshSutar, KP Patil International Journal of Chemical science 12 (1), 248-252 1 2014
22. . Efficient acylation and benzoylation of alcohols and phenols using cobalt nitrate under solvent free condition GD Vishvanath D. Patil*, Priyanka Rege, Jaymala Patil The IUP Journal of Chemistry 3 (1), 42-50, 1 2010
23. Efficient CeO2 nanoparticles catalysed for Synthesis of heterocyclic Bis(Indolyl) methanes under mild conditions NG Vishvanath D. Patil*, Amruta Salve, Vaishnav D. Gharat International Journal of Heterocyclic Chemistry, 9 (01), 11-24, 2019
24. Combustion Synthesized Cobalt Ferrite Nanoparticles as Magnetically Recyclable Catalyst for Synthesis of Benzimidazole DerivativesJ Thakur, V Patil, P Chorghe, K Patil Nanoscience & Nanotechnology-Asia 8 (2), 281-288, 2018
25. SIO2.CAA: AN EFFICIENT CATALYST FOR ONE POT SYNTHESIS OF 4,6-DIARYLPYRIMIDINE- 2(1H)-ONES OR THIONES AMS Vishvanath Dhamba Patil* , Prathamesh Vidyadhar Gidh Indo American Journal of Pharmaceutical Research, 7 (3) 2017
26. Phenyl boronic acid - promoted efficient synthesis of perimidine derivatives under mild condition PVG Vishvanath D. Patil*, Ketan P. Patil, Nagesh R. Sutar Chemistry International 3 (3), 195-201, 2017
27. Synthesis, Characterization and Catalytic Application of Magnetically Separable Zn–Cr Ferrite RP Patil, PC Patil, VD Patil, BV Jadhav Journal of Nanoengineering and Nanomanufacturing 6 (2), 130-136 , 2016
28. SYNTHESIS OF β-AMINO CARBONYL COMPOUNDS AND 5-UNSUBSTITUTED 3, 4-DIHYDROPYRIMIDINONES USING SOLID SUPPORTED Co (ClO4) 2 UNDER SOLVENT FREE CONDITION VD PATIL, NR SUTAR, KP PATIL Acta Chim. Pharm. Indica 6 (3), 72-79, 2016,
29. ONE-POT SYNTHESIS OF 2, 4, 6-TRIARYL PYRIDINES USING MAGNESIUM ACETATE AS ORGANOMETALLIC CATALYST UNDER SOLVENT FREE CONDITION VD Patil, KP Patil, NR Sutar, AT Gatade HETEROCYCLIC LETTERS 6 (3), 453-458, 2016

30. Synthesis of 2,4,5-Triaryl-1H-Imidazoles using anhydrous PbCl2, KPP Vishvanath D Patil, Nagesh R.Sutar, Journal of Chemical and Pharmaceutical Research 8 (7), 728-732, 2016
31. Simple and efficient synthesis of bis(indolyl)methanes by using NiSO4.6H2O, NRSKPP Vishvanath D. Patil* Journal of Chemical and Pharmaceutical research 8 (8), 608-613, 2016
32. Phenyl boronic acid - promoted efficient synthesis of perimidine derivatives under ambient conditions NRSPVG Vishvanath D. Patil, Ketan P. Patil Chemistry International 3 (3), 195-202 , 2016
33. One-pot synthesis of 2,4,6-Triaryl pyridines using Magnesium acetate as Organometallic catalyst under solvent free conditions ATG Vishvanath D. Patil*, Ketan P. Patil, Nagesh. R. SutarHeterocyclic Letters 6 (3), 553-558, 2016
34. Chromium doped nano In2O3–An efficient catalyst for synthesis of benzoxazoles and 3, 4-dihydropyrimidin-2 (1H)-ones V Patil, J Thakur, N Sutar, International Journal of Chem Tech Research 9 (7), 366-377, 2016
35. An effective synthesis of a-ketothiocyanates and chalcones using metal perchlorate as catalyst, KPP Vishvanath D. Patil* Nagesh R. Sutar , Der Chimica Sinica 7 (4), 39 to 43, 2016
36. . Synthesis of Bioactive N-Heterocycles using Nanocrystalline Dy2O3 Vishvanath D. Patil* Jyotsna S. Thakur, Nagesh R. Sutar Indo American Journal of Pharmaceutical Research 6 (6), 5772 to 5779 2016
37. Magnesium Acetate Catalysed synthesis of Glycoluril derivatives via cyclocondensation of Benzil and Urea/Thiourea Vishvanath D. Patil*, Ketan P. Patil, Nagesh. R. Sutar, Prathamesh V. Gidh Heterocylic letters 6 (2), 359-364, 2016
38. Synthesis of 2,4,5-Triaryl-1H-imidazoles using anhydrous Lead acetate as a catalyst in Ethanol Vishvanath D. Patil*, Ketan P. Patil, Nagesh. R. Sutar, Prathamesh V. Gidh Der Chemica Sinica 7 (2), 23-28, 2016
39. Efficient Synthesis of Quinoxaline with KIO4 under mild conditions VD Patil International Journal of Chemical Science 12 (3), 965-970, 2014
40. Synthesis of Quinoxaline with Lead Peroxide under mild conditions Organic Chemistry VD Patil Organic Chemistry : An Indian Journal 6 (1), 139-143, 2010

41. Biolgically active Quinoxaline Efficiently Synthesis under Mild Conditions RVP Vishvanath D.Patil*, Jyotsna S.Thakur, Priyanka Rege, Jaymala Patil ...International Journal of Chemistry & Application 2 (1), 201-205, 2010
42. Synthesis of Trimethylsilylethers from alcohols and phenols in presence of Anhydrous NiCl2 under Solvent Free Condition; GA Meshram, VD Patil Organic Chemistry An Indian Journal 5 (4), 441-445, 2010
43. Simple and Efficient Oxathioacetalisation of Aldehydes using Anhydrous Cobalt (II) bromide under solvent free condition VDPGA Meshram, IUP Journal of chemistry 3 (3), 20-27, 2010
44. Efficient CeO2 nanoparticles catalysed for Synthesis of heterocyclic Bis(Indolyl) methanes under mild conditions NG Vishvanath D. Patil*, Amruta Salve, Vaishnav D. Gharat Research article International Journal of Heterocyclic Chemistry, 9 (01), 11-24, 2009
45. Zinc Oxide efficiently catalyzed the synthesis of Sulfonamides under mild conditions GAM Vishvanath D. Patil* International Journal of Chemical Sciences 7 (3), 1948-1956, 2009
46. A Simple and Efficient N-Arylation of Amines and Sulfonamides with Cu(BF4)2.SiO2; GA Meshram, VD Patil Organic Chemistry An Indian Journal 5 (4) 2009
47. Chemoselective Acylation and Benzoylation of Alcohols, Phenols, and Amines using Copper Oxide under Solvent Free Condition GAMVD Patil International Journal of Chemical Science 6 (3), 1315-1323, 2008
48. CHEMOSELECTIVE ACYLATION AND BENZOYLATION OF ALCOHOLS, PHENOLS AND AMINES USING COPPER OXIDE UNDER SOLVENT FREE CONDITION GA MESHRAM, VD PATIL
49. ONE-POT SYNTHESIS OF 3, 4–DIHYDROPYRIMIDINE–2 (1H)-ONES USING ZINC ACETATE AS ORGANOMETALLIC CATALYST UNDER SOLVENT FREE CONDITION VD Patil, KP Patil, NR Sutar, PV Gidh

4. Books authored:

International Publisher	:	
National Publisher	:	**01**
Chapter in edited book	:	
Edited book by International publisher	:	
Edited book by National publisher	:	

5. List of Books authored:

1. **An Introduction of Drugs Synthesis and Applications, reference book, Author; Dr.Vishvanath D. Patil**

6. Major Research Project Completed:

Title of the project	Date of sanction	Duration	Grant received	Funding agency

Minor Research Project Completed

Title of the project	Date of sanction	Duration	Grant received	Funding agency
Synthesis of Organic Compounds using Solid Supportive Catalys	As a Prin. Investi gator (Project No. : 46, Ref. APD / 237 / 83 of 2009	1 Year 2009-2010	31500/-	University of Mumbai
Synthesis and Characterization of Nanoparticles and Their Scope in Catalysis	As a co-investigator Project No. 62:, Ref. APD/237/1612 of 2010	1 Year 2010-2011	25,500/-	University of Mumbai
Synthesis of Biologically Active Heterocycles Using Solid Supportive Catalysts	As a Prin. Investigator Project No. : 331, Ref. APD / 237 / 429 of 2017	1 Year 2016-2017	30,000/-	University of Mumbai
Synthesis and characterization ofBiologically active Heterocycles using nano	As a Prin. Investigator No. F..47-1194/14(General/60/WRO) XII Plan Dated 27/07/2017	2years (2017-2019)	200000.00 (Two lakh)	UGC

materials				

7. Patents:

Status	National	International
Applied		
Granted		

8. List of patents:

9. Membership:

1. Life Member of Material science Assocition, B.A.R.C., Mumbai

2. Life Member of Indian Science Congress Association Kolkata , India

Sec. Chemical Science, Membership no. L26397

3. As a **life member** of the Association of Chemistry Teachers with effect from 22/12/2017, Membership no: 2059 includes Homi Bhabha Research Centre for science education, Tata Institute of Fundamental Research, Mankhurd, Mumbai-400 088

10. Consultancy service provided and Revenue generated:
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11. Academic Staff College Orientation/Refresher courses attended:

Name of the Course	Place	Duration	Sponsoring Agency
Orientation Course	UGC –Academic staff College, Dr.Babasaheb Ambedkar Marathwada University Aurangabad	**2nd June 2005 to 29th June 2005**	UGC
Refresher Course	UGC –Academic staff College, University of Mumbai	**3rd December 2007 to 22nd December 2007**	UGC
Refresher Course	UGC –Academic staff College, University of Mumbai	**11th November 2013 to 30th November 2013**	UGC
Short Term Course	UGC –Human Resource Development Centre,	**14th December 2015 to 19th December**	UGC

	University of Mumbai	**2015.**	

12. Participation in conferences, symposia, seminars and workshops:

Level	Presented paper	Only attended	Chaired session	Resource person
International	**02**	**02**		
National	**02**	**10**		
State		**02**		
University	**05**	**10**		

13. Conferences, symposia, seminars and workshops organized as convener/co-convener:

Level	Convener	Co-convener
International		
National		
State		
University		

14. Experience on the various committees at the college (from 1997 to till date)

Sr.No.	**Name of the committee**	**Status**	**Years**
1	Examination Committee	Chairman	21
2	Student-Parent –Teacher Committee	Member	21
3	Discipline Committee	Chairman	18
4	NAAC Committee Criterion IV	Chairman	17
5	Roll Call Committee	Chairman	15
6	Magazine Committee	Vice President	12
7	Science Faculty	Incharge	04
8	Internal Assessment	Chairman	02
9	Culture Committee	Chairman	01

10	N.S.S. Committee	Member	01
11	Examination Committee	Member	01
12	Science Association	Member	04
13	Science Association	Chairman	02
14	Sports Committee	Member	04
15	Sports Committee	Chairman	01
16	Library Committee	Member	07
17	Research committee	Chairman	01
18	Science Resource centre	Co-ordinator	02

15. Experience on the NAAC/ IQAC of the college

Work as a Chairman, NAAC Committee Criterion IV, 17 Years

16. Experience on the Various Committees at the University of Mumbai / Government

Examiner : Worked as examiner at University of Mumbai in Chemistry Subject Drugs and Dyes in theory as well as practical **since 2002** to 2018

Moderator : Worked as Moderator at University of Mumbai in Chemistry Subject Drugs Paper from academic **year 2007-08**.

Awards/recognitions received :

Level	Title	Year	Awarding agency
International			
National			
State			
University			