

## CURRICULUM VITAE

### PERSONAL DETAILS:

Name : Dr. Vishal Subhashrao Patil  
Date of Birth : 21/01/1987  
Nationality : Indian  
Religion : Hindu Maratha  
Category : Open/EWS  
Address : Near Ganesh Mandir, A/P: Yedemachindra,  
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### ACADEMIC CREDENTIALS:

Ph. D. - Dr. Babasaheb Ambedkar Marathwada University,  
Aurangabad.

Title of Thesis: Synthesis, characterization and biological  
activity of novel heterocyclic compounds.

Sr No	Exam. Passed	University	Subject	Class Obtained	Year of Passing
1.	Ph. D.	Dr. BAMU Aurangabad	Organic Chemistry	Awarded	Oct. 2013
2.	M. Sc.	Dr. BAMU Aurangabad	Organic Chemistry	Higher Second Class (B+)	April 2009
3.	B. Sc.	Shivaji University	Chemistry	Second Class	April 2007

## RESEARCH PUBLICATIONS:

<b><i>Publications</i></b>	<b><i>International</i></b>	<b><i>National</i></b>	<b><i>Total</i></b>
Peer Reviewed Journal	16	--	16
Proceedings	08	06	14
<b>Total Publications</b>			30

## FDP, STTP & WORKSHOP ATTENDED

FDP/STTP	11
Workshop/Seminar Attended	12
<b>Total</b>	23

## GOOGLE SCHOLAR

Citations	96
h-index	7
i10-index	2

## AWARDS/ACHIEVEMENTS

1. Recognized Ph.D. Guide of Dr. Babasaheb Ambedkar Technological University, Lonere under the Faculty of Science under the Discipline of Chemistry
2. Listed in World Scientist and University Ranking 2023 analyzed by AD Scientific Index.
3. Worked with UPSC, New Delhi as an adviser for confidential work.
4. Reviewer of Organic Communications (Scopus indexed Journal)
5. SETI, First Year Best Teacher Award in 2016-17.

## **TOTAL PROFESSIONAL EXPERIENCE:**

Teaching	11.7 years (6.7 years UGC)
Research	3.0 years
<i>Total</i>	<i>14.7 years</i>

## **TEACHING EXPERIENCE:**

1. Assistant Professor:  
Sanjeevan Engineering and Technology Institute,  
Panhala, From 18<sup>th</sup> June 2012 to till date.
2. Assistant Professor:  
Daulatrao Aher College of Engineering, Karad.  
From 18<sup>th</sup> Dec. 2011 to June 2012.
3. Assistant Professor (On CHB basis):  
Krishna Mahavidyalay Rethare Bk., Shivnagar  
From 24<sup>th</sup> Dec. 2011 to 13<sup>th</sup> April 2012.
4. Lecturer:  
Sir Sayyed College of Arts, Commerce and Science,  
Aurangabad. From Aug. 2010 to April 2011.

## **Administrative Experience at SETI, Panhala**

- 1) Worked as a Dean Admission since January 2017 to 2021.
- 2) Worked as a Head, Basic Sciences & Humanities Department
- 3) Worked as a First Year Incharge
- 4) Worked as a Cultural Co-ordinator
- 5) Departmental NAAC Co-ordinator
- 6) Member of R & D Cell
- 7) Successfully Conducted Project Based Learning Competition in 2016-17, 2017-18, 2018-19, 2019-20

## MEMBER OF PROFESSIONAL BODIES:

Life Member of "THE INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE)".[LM 92095]

## LIST OF PUBLICATIONS:.

- 1) An efficient solvent free synthesis of *meso*-substituted dipyrromethanes from lowest pyrrole/aldehyde ratio on grinding. . K. A. Shaikh, **Vishal A. Patil** *Asian Journal of Reserch in Chemistry*. **2011**, 4, 1408-1410.
- 2) Mechanostic Synthesis of 1,5-benzodiazepines using molecular Iodine. Shaikh K. Ahmed, Arshia Parveen, **Vishal A. Patil**. *International Journal of Industrial Chemistry*. **2011**, 2, 144-153.
- 3) SnCl<sub>2</sub>.2H<sub>2</sub>O; a precious addition to catalyst range for synthesis of bis (indolyl) methanes. K. A. Shaikh, Z. A. Mohammed, N. T. Patel, **Vishal A. Patil**. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. **2010**, 1, 730-736.
- 4) An efficient solvent-free synthesis of Imidazolines and Benzimidazoles using K<sub>4</sub>[Fe(CN)<sub>6</sub>] catalysis. K. A. Shaikh, **Vishal A. Patil**. *Organic Commun*. **2012**, 5:1, 12-17.
- 5) A Novel method for the synthesis of dipyrromethanes under solvent-free condition. K. A. Shaikh, **Vishal A. Patil**, Azeem Ahmed, *E-Journal of Chemistry*. **2012**, 9(4), 1796-1800.
- 6) An efficient solvent free synthesis and Anti-bacterial activity of Novel hydrazones derived from 4,5-diazafluoren-

- 9-hydrazone on grinding. K. A. Shaikh, **Vishal A. Patil**, Azeem Ahmed, *Asian Journal of Chemistry*. **2012**, 24(7), 2951-2956.
- 7) An Efficient and Convenient Synthesis of Imidazolines and Benzimidazoles via Oxidation of Carbon-Nitrogen Bond in Water Media. Shaikh, Kabeer A., **Patil, Vishal A.**, Parveen Arshia. *Chines Journal of Chemistry*, **2012**, 30(4), 924-928.
- 8) An environmentally benign, solvent free synthesis and antibacterial activity of Novel Schiff bases derived from 4,5-diazafluoren-9-one. K. A. Shaikh, **Vishal A. Patil**. Azeem Ahmed. *Elixir Org. Chem.* **2012**, 45, 7881-7883.
- 9) Solid phase-promoted greener synthesis and antibacterial activity of Novel Schiff bases under catalytically free condition. . K. A. Shaikh, **Vishal A. Patil**. Zamir A. Mohammed. *Elixir Org. Chem.* **2012**, 43, 6960-6963.
- 10) Atom efficient grinding technique for the synthesis of hydrazones catalyzed by citric acid, Mohammed Zamir Ahmed, N. T. Patel, K. A. Shaikh, M. A. Baseer, Shaikh Shahid and **Vishal A. Patil**, *Elixir Org. Chem.* **2012**, 43, 6583-6585.
- 11) SnCl<sub>2</sub>·2H<sub>2</sub>O catalyzed solid phase synthesis of meso-substituted dipyrromethanes, K. A. Shaikh, **Vishal A. Patil**, B. P. Bandgar. *Orbital.* **2012**, 4, 111-117.
- 12) Synthesis of novel probe 2-chloro-6-methoxy-3-phenyl hydrazone quinoline and its application to detection of persulphate in aqueous ethanol solution by fluorescence turn on, Dhanshri V. Patil, · **Vishal S. Patil**, · Sandeep A. Sankpal, · Govind B. Kolekar, · Shivajirao R. Patil, *Journal*

*of Inclusion Phenomena and Macrocyclic Chemistry*, **2018**, 90(1-2), 99-104.

- 13) "A novel FRET probe for determination of fluorescein sodium in aqueous solution: Analytical application for ophthalmic sample. Dhanshri V. Patil, **Vishal S. Patil** *Indian Journal of Chemistry: Section A*, 58 (2019) 1187
- 14) "Fluorescence resonance energy transfer from pyrene nanoparticles to riboflavin: Spectroscopic insights and analytical application". Dhanshri V. Patil, **Vishal S. Patil** *Indian Journal of Chemistry: Section A*, 59A, (2020) 783
- 15) "Nanostructured CdO-ZnO composite thin films for sensing application" A. K. Sharma, S. S. Potdar, **V. S. Patil** *Journal of Materials Science: Materials in Electronics*, 2020, 31(5), 1-13.
- 16) "Potassium ferrocyanide promoted an efficient synthesis of benzoxazoles and benzothiazoles under solvent free condition" **Vishal S. Patil**, Dhanshri V. Patil, Sachin. S. Potdar *Organic Communication* 2022, 15:1, 71-80.

**PAPERS PRESENTED AT INTERNATIONAL/NATIONAL CONFERENCE /SEMINAR / SYMPOSIUM:**

**INTERNATIONAL:**

- 1) Presented paper (poster) entitled " Spectroscopic studies on the molecular interaction between pyrene nanoparticles and riboflavin: Analytical application for determination of vitamin B2" in the Indo-UK International virtual conference

on advanced Nanomaterials for energy and environmental applications (ICANEE-2020), jointly organized by the department of nanoscience and technology, Aligappa University, India and Brunel University, London UK during 16<sup>th</sup> -18<sup>th</sup> September 2020.

- 2) Presented paper (poster) entitled “A novel FRET probe for determination of fluorescein sodium in aqueous solution: Analytical application for ophthalmic sample” at 1<sup>st</sup> International Conference on Material and Environmental Science held on 07<sup>th</sup> – 08<sup>th</sup> January 2018 organized in collaboration by Shri Yashwantrao Patil Science College, Solankur and The New College, Kolhapur
- 3) Presented one research article entitled “Efficient synthesis of hydrazones by mechanochemistry (grinding) under solvent free condition” in international conference (ETCS-2012) held at Solapur University, Solapur on 2<sup>nd</sup>-4<sup>th</sup> November 2012.
- 4) The paper entitled “Potassium ferro-cyanide catalyzed highly rapid synthesis of benzoxazoles and benzothiazoles under solvent free condition” was presented in “17<sup>th</sup> International Conference on Expanding Horizons in Chemical and Biological Science: Innovations Crossroads” organized by School of Chemical Sciences, Solapur University, Solapur on 21<sup>st</sup>-24<sup>th</sup> January 2012.
- 5) The paper entitled “Stannous Chloride as an efficient catalyst for the synthesis of 1,5-benzodiazepine derivatives under solvent free conditions” was presented in “17<sup>th</sup> International Conference on Expanding Horizons in

Chemical and Biological Science: Innovations Crossroads” organized by School of Chemical Sciences, Solapur University, Solapur on 21<sup>st</sup>-24<sup>th</sup> January 2012

- 6) The paper entitled “Potassium ferro-cyanide catalyzed an efficient and convenient synthesis of benzoxazoles and benzothiazoles” was presented in “17<sup>th</sup> International Conference on Expanding Horizons in Chemical and Biological Science: Innovations Crossroads” organized by School of Chemical Sciences, Solapur University, Solapur on 21<sup>st</sup>-24<sup>th</sup> January 2012.
- 7) Participated in one day International E-Conference on “Advanced Functional Nano Materials and Their Device Applications” Organized by Department of Physics and IQAC, Krishna Mahavidyalaya Rethare Bk. On 10<sup>th</sup> August 2020.
- 8) Attended one day International E-Conference on “Chemistry Research and Competencies” organized by Yeshwantrao Chavan College of Science, Karad on 17<sup>th</sup> August 2020.

**NATIONAL:**

- 9) Presented paper (poster) entitled “Potassium Ferrocyanide Promoted an Efficient Synthesis of Benzoxazoles and Benzothiazoles under Solvent Free Condition” at 2<sup>nd</sup> National Conference on Emerging Trends in Chemistry and Material Science held on 23<sup>rd</sup> January, 2016 Organized by KLS Gogte Institute of Technology, Belgavi.
- 10) Presented paper (poster) entitled “Synthesis of Novel Fluorogenic Probe for Detection of Persulphate Ion in



Water- Ethanol Medium” at 2<sup>nd</sup> National Conference on Advances in Organic Chemistry held on 05<sup>th</sup> to 06<sup>th</sup> February, 2016 Organized by Poona College, Pune.

- 11) The paper entitled “SnCl<sub>2</sub> · 2H<sub>2</sub>O a precious addition in catalyst range for synthesis of 1,5-benzodiazepines” was presented in “National Conference on Advanced Tools in Chemical Analysis” organized by Department of Chemistry, Deogiri College, Aurangabad on 26<sup>th</sup> and 27<sup>th</sup> Aug. 2011.
- 12) The paper entitled “An efficient solvent free synthesis of *meso*-substituted dipyrromethanes from lowest pyrrole/aldehyde ratio on grinding” was presented in “National Conference on Advanced Tools in Chemical Analysis” organized by Department of Chemistry, Deogiri College, Aurangabad on 26<sup>th</sup> and 27<sup>th</sup> Aug. 2011.
- 13) The paper entitled “An environmentally benign, solvent free synthesis and antibacterial activity of Novel Schiff bases derived from 4,5-diazafluoren-9-one” was presented in “National Conference on Advanced Tools in Chemical Analysis organized by Department of Chemistry, Deogiri College, Aurangabad on 26<sup>th</sup> and 27<sup>th</sup> Aug. 2011.
- 14) Participated in one day Online National Conference on “Applications of Quantum Chemistry” jointly Organized by IQAC and Department of Chemistry, Shri Panoram Khemraj Mahavidyalaya, Sawantwadi on 03<sup>rd</sup> may 2020.

## **FDP/STTP ATTENDED**

- 1) Participated in two days faculty development program on “Introduction to outcome based education” under lead college scheme of Shivaji University held on 4<sup>th</sup> to 5<sup>th</sup> June 2014, organized by SETI, Panhala.
- 2) Participated in AICTE-ISTE approved one week Induction Programme on “Research Methodology & Patent Filing” held on 5<sup>th</sup> to 9<sup>th</sup> June 2018 Organized by Adarsh Institute of Technology and Research Centre, Vita
- 3) Participated in one week STTP on “Recent Trends in Interdisciplinary Research in Material Sciences” held during 26<sup>th</sup> Dec to 30<sup>th</sup> Dec 2017 organized by Annasaheb Dange College of Engineering and Technology, Ashta.
- 4) Participated in Faculty Induction Program held on 19<sup>th</sup> July 2017 organized by Department of Chemistry, Dr. Babasaheb Ambedkar Technological University, Lonere.
- 5) Participated in AICTE sponsored one week faculty development program on “Sustainable Development: Theory and Practice” held during 19/08/2019 to 23/08/2019 organized by RIT, Rajaramnagar & Adarsh Institute of Technology and Research Centre, Vita.
- 6) Attended 4 days online faculty development program on “Research, Funding Projects & IPR” on 7<sup>th</sup> -10<sup>th</sup> may 2020 jointly organized by IQAC, R & D Cell & Dept. of Electronics & Telecommunication under the banner of IETE and Institution's Innovation Council (IIC) of K. C. College of Engineering and Management Studies and Research, Thane.

- 7) Participated one week online faculty development training program on “Technical Teacher’s Training” held from 22nd to 27th May, 2020 organized by VVIT, Pal.
- 8) Attended 5 days online faculty development program on “Digitizing Engineering Graphics course under DBATU” organized by Autodesk and N. K. Orchid college of Engineering and Technology, Solapur from 20th -24th July 2020
- 9) Attended online webinar on “How to write research proposal in various research funding agencies” organized by Anandibai raorane college, Vaibhavwadi, IPR Cell. On 12<sup>th</sup> January 2021.
- 10) Attended one week online faculty development program on “Reserch Methodology, Research Publication and Patent Filing” organized by SIT College of Engineering, Yadrav and approved by IEEE Bombay Section during 20<sup>th</sup> Sept -24<sup>th</sup> Sept 2021.
- 11) Participated in one day faculty development program on “Introduction to NBA” organized by IQAC Sanjeevan Engineering & Technology Institute, Panhala, on 15<sup>th</sup> March 2022.

### **WORKSHOP/SEMINAR ATTENDED**

- 1) Participated in One day workshop on “Intellectual Property Rights & Patenting” held on 24<sup>th</sup> February 2018 organized by Sanjeevan Engineering & Technology Institute, Panhala

- 2) Attended One day workshop on “Formulation of research proposals under RGSTC scheme” held on 6<sup>th</sup> May 2017 organized by Shivaji University, Kolhapur.
- 3) Participated in Two days workshop on “Latex” held on 23<sup>rd</sup> Dec to 24<sup>th</sup> Dec 2016, organized by Sanjeevan Engineering & Technology Institute, Panhala.
- 4) Participated in One day workshop on “Intellectual Property Rights and Patenting” held on 29<sup>th</sup> Dec 2015, Organized by Sanjeevan Engineering & Technology Institute, Panhala.
- 5) Successfully completed “LaTeX training” on 5<sup>th</sup> May 2020, organized by S. B. Patil College of Engineering and funded by National Mission on Education through ICT, MHRD, Govt., of India.
- 6) Participated and successfully completed three days online course on biomedical nanotechnology with A grade, held on 7<sup>th</sup> -9<sup>th</sup> May 2020, organized by Indian Academic Researchers Association, Tiruchirappalli, Tamil Nadu.
- 7) Participated in One Day National Webinar On “Effective Ways to Develop E-Content” held on 9-05-2020, organized by Smt. Devkiba Mohansinhji Chauhan College of Commerce and Science.
- 8) Participated in One Day National e-Seminar on “Recent Advances in Chemical Sciences” organized by Department of Chemistry and IQAC of Krishna Mahavidyalaya, Rethare Bk. Held on 29<sup>th</sup> August 2020.

- 9) Participated in online “Corona Awareness Program” organized by IQAC, Yashwantrao Chavan College of Science, Karad for the commitment to discharge the services to the nation as a responsible national on 19<sup>th</sup> April 2020.
- 10) Participated in NAAC Sponsored national seminar on “Quality Improvement in Technical Education Through outcome based education” organized by IQAC of BRCM College of Engineering and Technology, Bahal, Haryana on 4<sup>th</sup> and 5<sup>th</sup> November 2022.
- 11) Participated in one day state level seminar on “Book Review” organized by Library and Incubation Center, Krishna Mahavidyalaya, Rethare Bk. on 9<sup>th</sup> November 2022.

I hereby declare that the above written particulars are true to the best of my knowledge.

Place: Yedemachindra

Date:    /    /

Dr. Vishal S. Patil