

Dr. VIKAS NARENDRA TELVEKAR
Professor in Pharmaceutical Chemistry

PERSONAL DETAILS

Address for Correspondence Department of Pharmaceutical Sciences and Technology,
Institute of Chemical Technology (ICT), Matunga, Mumbai – 400 019

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Education Ph.D (Tech) in Pharmaceutical Chemistry (University of Mumbai, UDCT)
M.Sc. (Tech.) in Pharmaceutical Chemistry (University of Mumbai, UDCT)
B.Sc. (Tech.) in Pharmaceutical and Fine Chemicals (University of Mumbai, UDCT)
B. Sc. In Chemistry (University of Mumbai)

RESEARCH INTERESTS

Invention of New Reactions and Reaction System; Design and Synthesis of Novel Bioactive Molecules using Computer Aided Drug Design; Design and Synthesis of Novel anti TB and anti-Diabetic Molecules; Total Synthesis of Bioactive Natural Products; Process Development:

RESEARCH STUDENTS GUIDED

Degree	Completed	Ongoing	Total
Ph.D. (Tech.)	18	11	29
Ph.D. (Sci.)	02	01	03
Total	20	12	32

AWARDS and HONORS

Raman Fellowship (6 months). Awarded by UGC, to carry out research at University of Missouri St. Louis, USA. (2017)
Bentham Publication Published Video on the based on Anti-TB research (2014)
Elected Fellow of Maharashtra Academy of Science (2013)
BOYSCAST Fellowship (6 months), Awarded by DST, to carry out research at St. John University NY, USA (2011)
Independent Director, Omkar Specialty Chemicals Public Ltd. (2010-2019)
Awarded SERC Fast Track Proposal for Young Scientist by Department of Sciences and Technology, India (2010)
John Wiley & Sons Publication invited to write chapter in "Encyclopedia of Reagents for Organic Reactions" 2nd Edition, pg. 4576 (2009)
Awarded TEQIP fellowship (3 months) to carry out research at University of Missouri St. Louis, USA. (2007)

INVITED TALK / RESOURCE PERSONE

ResearchFora - International Conference on Science, Engineering & Technology - ICSET. "Application of Hypervalent Iodine Reagents in Chemical Synthesis" Paris, France on **25th - 26th January, 2019**; Guest speaker in the seminar entitle, Iodine reagents in Organic Synthesis, organized by Department of Chemistry and Biochemistry, University of Missouri-St Louis, **13 Feb 2017**; Research and Developments in Synthetic Chemistry, National Conference, Organized by Agasti Arts, Commerce & Dadasaheb Rupwate Science Gollege, Akole, Sponsored by Savitribai Phule Pune University, **29-30 Dec, 2017**; Guest Speaker on Iodine Reagents in Organic Synthesis. Organized by Department of Chemistry & Biochemistry, University of Missouri-St. Louis, USA, **13th February, 2017**; New Research Trends in Chemistry and its Application in Environmental Chemistry, National Conference Organized by Department of Chemistry, SNJBs KKHA Arts, SMGL Comm. and SPHJ Sciences College, Chandwad Sponsored by University Grants Commission (WRO), Pune, **26-27 Feb, 2016**; Chemical Science-Challenges and Opportunities, State seminar, Organized by Department of Chemistry, Arts, Science and Commerce College, Saikheda and B.C.U.D Savitribai Phule Pune University, **9th January 2016**; Chemistry for Overall Development of Human Being, National Seminar, Organized by K.S.K.W, Nashik, Sponsored by Savitribai Phule Pune University, **16 -17 January, 2015**

PROFESSIONAL RECOGNITIONS

Expert on Department of Sciences and Industrial Research (DSIR, New Delhi); Expert on Export Inspection Council (EIC), Ministry of Commerce & Industry, Government of India

IN-HOUSE COMMITTEES

Co-chair, Academic activity committee, academic Programmes; In-plant training in-charge for undergraduates; In-plant visit in-charge for undergraduates

SPONSORED PROJECTS (list of few organizations)

Wyeth India Pvt. Ltd.; Indofil India Ltd.; DSM India Pvt. Ltd ; Lasa Laboratories Public Ltd.; Amogh Chemicals Pvt. Ltd.; Risichem Pvt. Ltd, Mumbai; UGC, Govt of India; SERB, Govt of India; DST, Govt of India; AICT, Govt of India

PATENTS

Title: A Improved Process for the Preparation of 3'-Chloro Propiophenone, Application No: 3535/MUM/2012 (Filed on 14/12/12); **Title:** Method for Production of 2,3-Dihydroxy-1,2-benzisothiazole-3-one-1,1-dioxide, Application No: 1482/MUM/2013 (Filed on 23/4/2013); **Title:** Single pot Process for Preparation of Halogenated Benzoic Acid Derivatives, Application No: 1832/MUM/2013 (Filed on 24/5/2013); **Title:** Process for producing 2-hydroxy-3,5-diiodobenzoic acid, Application No: 1825/MUM/2012 (Filed on 25/6/2012A); **Title:** Method for simplified production of Fasciolicide and derivatives, Application No: 1443/MUM/2014A (Filed on 23/4/2014); **Title:** Process for the preparation of Benzimidazole derivative as Anthelmintic agents, Application No: 1729/MUM/2014A (Filed on 23/5/2014), **Title:** Method for preparation of Salicylanilide antiparasitic derivative, Application No: 1632/MUM/2014A (Filed on 13/5/2014); **Title:** An improve process for the preparation of triazine derivative used as an insecticide, Application No: 1759/MUM/2014A (Filed on 26/5/2014)

CHAPTER WRITTEN

Indian Council of medicinal Research (ICMR), New Delhi, "Quality Standards of Indian Medicinal Plants" Vol 15, **2017**
Indian Council of medicinal Research (ICMR), New Delhi, "Quality Standards of Indian Medicinal Plants" Vol 14, **2016**
Indian Council of medicinal Research (ICMR), New Delhi, "Quality Standards of Indian Medicinal Plants" Vol 13, **2015**
Indian Council of medicinal Research (ICMR), New Delhi, "Quality Standards of Indian Medicinal Plants" Vol 12, **2014**
Indian Council of medicinal Research (ICMR), New Delhi, "Quality Standards of Indian Medicinal Plants" Vol 11, **2013**

John Wiley & Sons Publication, "Encyclopedia of Reagents for Organic Reactions" 2nd Edition, pg. 4576, **2009**

PUBLICATIONS – INTERNATIONAL as a Principal Author (74)

Selected Publications

1. Concentrated solar radiation as a renewable heat source for a preparative-scale and solvent-free Biginelli reaction, YU. Gadkari, NT. Hatvate, BS. Takale, VN. Telvekar, New J. Chemistry, 2020, 8167
2. Transferrin conjugates of antitubercular drug isoniazid: Synthesis and in vitro efficacy, YB. Sutar, JK. Mali, VN. Telvekar, RS. Rajmani, A. Singh, European J. Medicinal Chemistry, 2019, 183, 111713
3. Chitosan based copolymer-drug conjugate and its protein targeted polyelectrolyte complex nanoparticles to enhance the efficiency and specificity of low potency anticancer agent, YB. Sutar, VN Telvekar, Materials Science and Engineering: C, 2018, 393
4. L-proline: an efficient organocatalyst for the synthesis of 5-substituted 1H-tetrazoles via [3+ 2] cycloaddition of nitriles and sodium azide, SB Bhagat, VN Telvekar, Synlett, 2018, 874
5. Dual utility of heterogeneous catalyst ZSM-5 for C–C cleavage leading to nitriles for the synthesis of hydrazides, SM. Ghodse, BS Takale, NT Hatvate, VN. Telvekar, ChemistrySelect, 2018, 4168
6. Readily switchable one-pot 5-exo-dig cyclization using a palladium catalyst, JK. Mali, BS. Takale, VN. Telvekar, RSC advances, 2017, 2231
7. Design, synthesis, molecular docking study of novel pyrrole-based α -amylase and α -glucosidase inhibitors, NC. Jadhav, AR. Pahelkar, NV. Desai, VN. Telvekar, Med. Chem. Res., 2017, 2675
8. Copper-II mediated tandem reaction between aromatic ketones and 2-aminobenzenethiol for the synthesis of 2-arylbenzothiazoles, JK. Mali, DA. Mali, VN. Telvekar, Tetrahedron Letters, 2016, 2324
9. Design, synthesis and antitubercular evaluation of novel series of N-[4-(piperazin-1-yl) phenyl] cinnamamide derivatives, KN. Patel, VN. Telvekar, European J. Medicinal Chemistry, 2014, 43
10. Novel N'-benzylidene benzofuran-3-carbohydrazide derivatives as antitubercular and antifungal agents, VN. Telvekar, A. Belubbi, VK. Bairwa, Bioorganic & Medicinal Chemistry Letters, 2012, 2343