



## Dr. Vithal M. Kulkarni

Postdoc (Germany), Ph.D(Tech)., M.Sc. (Chem), B. Sc.(Hons)  
Professor Emeritus, Dept. of Pharmaceutical Chemistry

Email: [vitthal.kulkarni@bharativedyapeeth.edu](mailto:vitthal.kulkarni@bharativedyapeeth.edu)

Research Interests: New Drug Discovery, Chemotherapy of Tropical, Cancer, Viral and Fungal diseases, Computer Aided Drug Design : QSAR and Molecular Modeling, Synthesis of Novel Drugs and Intermediates.

Academic Experience: 42 Years

Subjects Taught: Pharm.Organic Chemistry, Medicinal Chemistry, Drug Design, Advanced Pharmaceutical Chemistry

ORCHID Id: 0000-0002-5939-5401

Google Scholar Citations: 2405      h-index: 38      i10-index: 71

### Honors & Awards:

1. Prof G.P. Srivastava, Life time achievement award by APTI at IPC Vishakhapatnam
2. Heiser Foundation for Research in Leprosy
3. Prof. M. L. Khorana Memorial Lecture Award

## Professional Network:

LinkedIn – <http://linkedin.com/in/vithal-m-kulkarni-3a53611b>

## Research Profile:

Publications: 209    International: 192    National: 17

Patents: 21    Filed: 3    Granted: 18

Books: 1. Kulkarni V.M., Bothara, K.G., Drug Design, Nirali Prakashan, Pune.

2. Kulkarni, V.M. Drug Design Ed.: 2 Nirali Prakashan Pune.

## Publications

1. Modi SJ, **Kulkarni VM**. Discovery of VEGFR-2 inhibitors exerting significant anticancer activity against CD44+ and CD133+ cancer stem cells (CSCs): Reversal of TGF- $\beta$  induced epithelial-mesenchymal transition (EMT) in hepatocellular carcinoma. European Journal of Medicinal Chemistry. 2020, 207:112851.
2. Modi SJ, Tiwari A, **Kulkarni VM**. Reversal of TGF- $\beta$ -induced epithelial-mesenchymal transition in hepatocellular carcinoma by sorafenib, a VEGFR-2 and Raf kinase inhibitor. Current Research in Pharmacology and Drug Discovery. 2021, 2:100014.
3. Bhansali SG, **Kulkarni VM**. Combined 2D and 3D-QSAR, molecular modelling and docking studies of pyrazolodiazepinones as novel phosphodiesterase 2 inhibitors. SAR and QSAR in Environmental Research. 2014, 25(11):905-37. etc.

### Research Projects: (Completed : 55)

1. Indian Council of Medical Research
2. Council of Scientific and Industrial Research
3. All India Council for Technical Education, New Delhi etc.

Consultancy: CIPLA Co. Ltd., Mumbai, FDC. Ltd., Mumbai, IPCA Labs, Mumbai, Dr. Reddy's Research Foundation, Hyderabad etc. (total 15)

### Administrative Profile :

- Formerly, Professor and Head of Pharmacy Department, UDCT/UICT, Mumbai
- Life Member, Indian Pharmaceutical Association
- Member, UGC panel in Chemistry, New Delhi
- Co-convener, Indian Biophysical Society
- Member, Board of Technical Education (Pharmacy), Government of Maharashtra, Mumbai for 15 years.
- Vice-President, Indo-German QSAR Society
- Member, Pharmacy Council of India
- Member, Editorial Board, Indian Drugs.
- Member, International Scientific Advisory Com. Euro QSAR 2004
- Member, Royal Australian Chemical Institute (RACI), Australia.
- Member, A.I.C.T.E., Western Region, Maharashtra. Etc.

Research Guidance - PG students: 212 and PhD students: 49