

Bhushan D. Varpe

Indian Patent Agent (IN/PA 3384), M. Pharm., Ph.D. (Pharm. Chem.)

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CAREER OBJECTIVE	To face the global challenges, develop my knowledge and skills with a progressive & nurturing organization.	
AREA OF INTEREST	Patent prosecution, Patents analytics, Pharmaceutical Sciences, Chemical Science, Research & Development	
PERSONAL INFORMATION	Date of birth: 18/06/1992 Marital status: Married	Languages: Marathi, Hindi & English.
ACADEMIC QUALIFICATION	<ul style="list-style-type: none">❖ Ph.D. (2017-2022) Pharmaceutical Chemistry, S. P. Pune University, Pune, Maharashtra, India.❖ M. Pharmacy (2013-2015) Pharmaceutical Chemistry, Sinhgad Institute's SKNCOP, Pune, Maharashtra, India.❖ B. Pharmacy (2009-2013) PDEA's SUCOP, Kharadi, Pune, Maharashtra, India.	
ACHIEVEMENT	<ul style="list-style-type: none">❖ Qualified in Patent Agent Exam 2018.❖ Qualified in GPAT 2017 Score: 141, AIR: 746.❖ Qualified in GPAT 2015 Score: 147, AIR: 1044.❖ Received research fellowship from ICMR. (2017-2020).❖ Qualified in PET (S.P. Pune University).	<ul style="list-style-type: none">❖ H-index (Google scholar): 5❖ Publications: 12, Citations:40❖ Seminars/ Presentation: 9❖ Delivered lectures as invited speaker: 3❖ Experience: Research: 6 years Patents searching, filing, drafting, etc: 3 years
EXPERIENCE	<ul style="list-style-type: none">❖ Associate at Lall and Sethi, Delhi, India. (19th September 2022 to present)❖ Research fellow on an ICMR funded research project (March 2017-January 2020)❖ Student of "Patinformatics" at CSIR-URDIP (Council of Scientific and Industrial Research-Unit for Research and Development of Information Products). (8 months)❖ Trainee research associate at Synapse Labs Pvt. Ltd. in the bioanalytical research department. (11 months and 16 days)❖ Industrial training at T.Walker's Pharmaceutical PVT. LTD., Pirangut. (1 month)❖ Reviewer of journals Ex. Medicinal Chemistry Research, Indian Journal of Pharmaceutical Education and Research, Journal of Computational Biophysics and Chemistry, etc.	
PROJECT WORK	<ul style="list-style-type: none">❖ Ph.D.: Research work on "Docking, Synthesis, Characterization and biological Activity of Mannich base of indole-2,3-dione derivatives."❖ M.Pharm: Research work on "Synthesis and studies on novel Au/Ce nanocomposites as a catalyst with their application in the synthesis of heterocycles."❖ B. Pharm: Research work on "Review on Nanosuspensions and Nanoemulsions."	
PUBLICATIONS	1. Bhushan D. Varpe & Anil S. Mali , Aloe vera Compositions Used for Medicinal Applications: A Patent Review (2013-till 2020). <i>Recent Patents on Food, Nutrition & Agriculture</i> , 2021, 12(2), 104-111. (Bentham Science)	

2. **Bhushan D. Varpe** & Shailaja B. Jadhav, Schiff Base of Isatin with 2-Thiopheneethylamine and its Mannich Bases: Synthesis, Docking and In Vitro Anti-Inflammatory and Antitubercular Activity, *Russian Journal of Bioorganic Chemistry*, 2022, 48, 372–379. (**Springer Nature**)
3. **Bhushan D. Varpe**, Amol A. Kulkarni, Shailaja B. Jadhav, Anil S. Mali, & S. Y. Jadhav, Isatin Hybrids and Their Pharmacological Investigations. *Mini Reviews in Medicinal Chemistry*, 2021, 21(10), 1182-1225. (**Bentham Science**)
4. N. A. Peerzade, S. Y. Jadhav, **Bhushan D. Varpe**, Amol A. Kulkarni, & Bhosale, R. B. Green Synthesis, Molecular Docking, In Silico ADME and Biological Evaluation of Methoxy Substituted 1, 5-Benzodiazepines as Potential Antioxidant, Anti-Inflammatory, and Antidiabetic Agents. *Polycyclic Aromatic Compounds*, 2021, 1-14. (**Taylor & Francis**)
5. **Bhushan D. Varpe** & Shailaja B. Jadhav, Schiff Base Conjugate of 5-Fluoroisatin with Thiophene-2-Ethylamine and its Mannich Bases: Synthesis, Molecular Docking, and Evaluation of in vitro Anti-inflammatory and Anti-tubercular Activity. *International Journal of Pharmaceutical Investigation*, 2021, 11(2), 189-194.
6. S. Y. Jadhav, N. A. Peerzade, M. G. Hublikar, R. B. Bhosale, **Bhushan D. Varpe**, and A. A. Kulkarni Synthesis and pharmacological screening of difluorophenyl pyrazole chalcone conjugates as antifungal, anti-inflammatory and antioxidant agents, *Russian Journal of Bioorganic Chemistry*, 2020, 46, 6. (**Springer Nature**)
7. **Bhushan D. Varpe**, Shailaja B. Jadhav, Bandoo C. Chatale, Anil S. Mali, Shravan Y. Jadhav, Amol A. Kulkarni 3D-QSAR and Pharmacophore modeling of 3,5-disubstituted indole derivatives as Pim kinase inhibitors, *Structural Chemistry*, 2020. (**Springer Nature**)
8. Nargisbano Peerzade, Shravan Jadhav*, Raghunath Bhosale, Amol Kulkarni and **Bhushan Varpe**, “Synthesis, Docking, in silico ADMET and Pharmacological Evaluation of Some N-acetyl Pyrazole and Quinoline Conjugates”, *Letters in Drug Design & Discovery*, 2020, 17. (**Bentham Science**)
9. S. Y. Jadhav, N. A. Peerzade, R. G. Gawali, R. B. Bhosale, Amol A. Kulkarni, **Bhushan D. Varpe**, Green synthesis and biological screening of some fluorinated pyrazolechalcones in search of potent anti-inflammatory and analgesic agents, *Egyptian Pharmaceutical Journal*, 2020, 19, 172-181. (**Wolters Kluwer-Medknow**)

LECTURES DELIVERED

- ❖ Delivered invited lecture for the webinar on “Introduction to IPR with emphasis on Patents” organized by Ateos Foundation of Science Education and Research in association with CLINI INDIA.
- ❖ Delivered invited lecture for the webinar on “Introduction to Intellectual Property Rights” organized by Pratibhatai Pawar College Of Pharmacy, Shirampur, Maharashtra 413709.
- ❖ Delivered lecture on invitation at “THIRD IP” on compulsory licensing of patents on 14th March 2020. Pune.

SEMINARS/ POSTER PRESENTATION

- ❖ Won the third prize in research paper presentation (oral) in the P.A.H. Solapur University, Solapur Sponsored International Conference on “Emerging Trends In Pharmaceutical Chemistry” at D.B.F. Dayanand College of Arts & Science, Solapur. (24th & 25th January 2020)
- ❖ Oral presentation at International e-Conference on Developments in Chemical, Biological & Environmental Sciences (DCBES-2021) (28-30th June 2021)

- ❖ Poster presentation at “International Conference on Recent Trends in Pharmaceutical, Medical and Applied Science for Global Development” (28th & 29th January 2021)
- ❖ Presented research paper in S. P. Pune University Sponsored International Conference on “Multidisciplinary healthcare research: Challenges, Opportunities and newer directions” at PES’s Modern College of Pharmacy, Pune, 411044. (4 & 5 January 2019)
- ❖ Participated in a two-day state level seminar ‘Chemistry for Society’ at BJS College, Wagholi, Pune.
- ❖ Poster presentation in “Young minds in pharmaceutical innovation” at MAEER’s Maharashtra Institute of Pharmacy, Pune on 21-22 March 2014.
- ❖ Poster presentation competition in National Pharmacy Week (NPW) 2014.
- ❖ Participated in Avishkar 2013 (Research project competition University of Pune).
- ❖ Poster presentation in ‘Bravura -A Pharma Tech Fest’ (Sinhgad karandak).

COURSES

- ❖ PCT Distance Learning Course “Introduction to the Patent Cooperation Treaty” from WIPO academy.
- ❖ Peeref institutes Reviewer training module (Peeref certified Reviewer)

SKILLS

- ❖ Searching, drafting and analysis of patent documents. (Google patent, Questel orbit, Patbase, Thompson Innovation, Parseer, Freepatentsonline, patent office journals, etc.)
- ❖ Organic compound (small molecule) synthesis.
- ❖ Computer-Assisted Drug Designing (CADD), Handled software like Vlife MDS (for Molecular modeling, Docking, etc.), Discovery studio, Autodock And also other software like chemsketch, Marvin sketch.
- ❖ Handling chemical structure databases (Scifinder, Reaxys, Marpat, ChemSpider, PubChem, etc).
- ❖ Practical and theoretical knowledge analytical instruments used in chemistry laboratory, like UV, HPLC/UPLC, IR, DSC, LC-MS/MS, etc.
- ❖ Solid-phase extraction, liquid-liquid extraction, protein precipitation, nanocatalysis, formulation, chromatography, method development and validation, various solvent evaporation technique, interpretation of data from UV, NMR, mass spectroscopy.

DECLARATION:

I hereby conclude that the above-mentioned information is true to the best of my knowledge.