



Pralav Bhatt

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Chemistry/ Pharmacy and Pharmacology



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PhD in Synthesis, Characterization and Antimicrobial Screening of Novel Heterocyclic Compounds from Sardar Patel University, Vallabh VidyaNagar, Gujarat State, India. Over 7 years of rich experience in Research & Development, Project Management in pharmaceuticals & Agrochemicals, their Intermediates & Specialty fine Chemicals. Over 1 year of Experience in Quality Assurance/Control in Pharmaceutical (Formulation) Analytical Development Laboratory. Three year of Post doctorate experience at UKZN. Motivated, Out of box thinker, demonstrated leader ship abilities. Co-ordinated & executed projects successfully.

Topic	CURRENT RESEARCH Methodology	Application
Novel antibiotics Supramolecular Chemistry Ion channels-Cavitand Chemistry Novel Heterocycles	<ul style="list-style-type: none"> Synthetic organic Chemistry Nuclear Magnetic Resonance Mass Spectrometry Planar Bilayer Workstation Crystallography 	Application in Drug Discovery. Targeting TB and HIV Ion channels and Pore formation- Application as molecular Switches.

UKZN main Publications

- Pore formation in Phospholipid Bilayers by Amphiphilic Cavitands. **Organic and Biomolecular Chemistry**. 2011,9, 4498-4506.DOI: 10.1039/C0OB01236J.
- Synthesis of novel N-alkyl-2-(3,5-dimethyl-1,1-dioxido-2H-1,2,6-thiadiazin-4-yl)benzamides as potential antimicrobial agent, **Journal of Pharmacy Research**, 2013, **6**, 355-360.
doi.org/10.1016/j.jopr.2013.03.008.
- Synthesis and Pharmacological evaluation of Novel 1-(piperidin-4-yl)-1H-Benzo[d]imidazol-2 (3H)-one derivatives as potential antimicrobial agents. **Medicinal Chemistry Research**, 2013. doi: 10.1007/s00044-013-0799-6
- Six Novel Single crystal published in **Z. Kristallogr. NCS** in the year 2013.

Past Researches

- N-Benzyl-5-(dimethyl amino) naphthalene-1-sulfonamide, **Acta Crystallographica**, 2011, E67, o2458–o2459. doi:10.1107/S1600536811033083
- (S)-4-Phenyl-2-(1,2,3,4-tetrahydroisoquinolin-3-yl)thiazole, **Acta Crystallographica**, 2012, E68, o176. doi:10.1107/S1600536811052585.
- Ethyl-2-(3,5-dimethyl-1,1-dioxo-2H-1,2,6-thiadiazin-4-yl)benzoate, **Acta Crystallographica**, 2012, E67, o2458–o2459. doi:10.1107/S1600536812024907.
- 2-(3,5-Dimethyl-1,1-dioxo-2H-1,2,6-thiadiazin-4-yl)benzoic acid, **Acta Crystallographica**, 2012, E68, o2859.doi:10.1107/S1600536812037026.
- Methyl 2-(2,3,5-trimethyl-1,1-dioxo-2H-1,2,6-thiadiazin-4-yl)benzoate, **Acta Crystallographica**, 2012, E68,o3360. doi:10.1107/S1600536812046375.

Future Interests

Research in drug discovery projects, Consultant for Pharmaceutical/Chemicals Industry, Academics.

Extra Interests

Sports(Cricket, squash, cycling) Traveling and Music