Dr. Neha V.Bhilare, M.Pharm, Ph.D., D.I.P.L.

Asso. Prof. (Dept. **of Pharmaceutical Chemistry**)

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Education:

Ph.D. **(2019): Bharati Vidyapeeth university's Poona College of Pharmacy, Pune.**
M. Pharm. (**2014**): **Bharati Vidyapeeth university's Poona College of Pharmacy, Pune.**

B. Pharm. (**2012**): **Satara College of Pharmacy (Shivaji university, Kolhapur)**

Professional Work Experience:07 Years (04 yrs. research+01 yr. Industrial+02 yrs. teaching)

Subject Taught: Medicinal Chemistry, Pharmaceutical Inorganic Chemistry, Quality Assurance

Research Foci: Anti-tubercular Prodrug Design, Bioanalytical method development, Bio-conjugates drug delivery

Number of Research Projects: 03 **Grants Received:--**

Number of Publications: 10 **Number of Presentations: 11**

Selected Publications:

- Novel Thioester prodrug of N-acetyl cysteine for odor masking and bioavailibilty enhancement. Neha V. Bhilare, Suneela S. Dhaneshwar, Akanksha J. Sinha, Amit D. Kandhare, Subhash L. Bodhankar. *Current Drug Delivery*, 2016, 13(4), 611-620. (**JCRImpact factor: 2.565**)
- Synthesis and evaluation of morpholinoethylester conjugate of N-acetylcysteine in ovalbumin- induced airway hyperresponsiveness in Sprague dawley rats. Neha V. Bhilare, Suneela S. Dhaneshwar. *Letters in Drug Design and Discovery*, 2017, 14(2), 209-215. (**JCR Impact factor: 1.15**)
- Phenolic acid-tethered isoniazid for abrogation of drug-induced hepatotoxicity: Design, synthesis, kinetics and pharmacological evaluation Neha V. Bhilare, Suneela S. Dhaneshwar and Kakasaheb R. Mahadik. *Drug Delivery and Translational Research*, 2018, 8(3), 770-779. (**JCR Impact factor: 4.617**)
- Amelioration of hepatotoxicity by bio-cleavable aminothiol chimeras of isoniazid: Design, synthesis, kinetics and pharmacological evaluation. Neha V. Bhilare, Suneela S. Dhaneshwar and Kakasaheb R. Mahadik. *World Journal of Hepatology*, 2018, 27; 10(7): 496-508 (**JCR Impact factor: 0.61**)
- Co-drug of isoniazid and sulfur containing antioxidant for attenuation of hepatotoxicity and treatment of tuberculosis Neha V. Bhilare, Suneela S. Dhaneshwar, Kakasaheb R. Mahadik and Arunava Dasgupta. *Drug and Chemical Toxicology*, 2020, https://doi.org/10.1080/01480545.2020.1778021(**JCR Impact factor: 3.356)**
- Hepatoprotective bile acid co-drug of isoniazid: synthesis, kinetics and investigation of antimycobacterial potential. Neha V. Bhilare, Suneela S. Dhaneshwar, Kakasaheb R. Mahadik, Arunava Dasgupta, Tejal Zende and Siddhart Kapoor.2020, 54 (7), 678-688(**JCR Impact factor: 0.837**)
- Diverse Thiophenes as Scaffolds in Anti-cancer Drug Development: A Concise Review.Neha V. Bhilare*, Pratibha B. Auti, Vinayak S. Marulkar and Vilas J. Pise. *Mini-Reviews in Medicinal Chemistry*, 2021, 21(2):217-232 (**JCRImpact factor: *3.862***)
- A concise review on the therapeutic potential of diverse Mannich bases in anticancer drug design.Neha V. Bhilare*, Vinayak S. Marulkar, Pramodkumar Shirote, Shailaja Dombe, Vilas J. Pise *et al.Medicinal Chemistry* (**JCR IF: 2.745**)
- Prodrug for enhancement of lipophilicity. Neha Bhilare and Suneela Dhaneshwar. In *Recent Advancement in*

Prodrugs, CRC Press, Taylor and Francis Group, Boca Raton, USA, 2020, 93-109.

- Dextran Pharmaceutical Applications, Neha Bhilare, Suneela Dhaneshwar and Supriya Roy. In *Polysaccharides of Natural Origin: Biomedical Applications,*Springer Nature Switzerland AG, 2021.