

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

Asso. Prof. (Dept. of Pharmaceutical Chemistry)

**Campus Address:**

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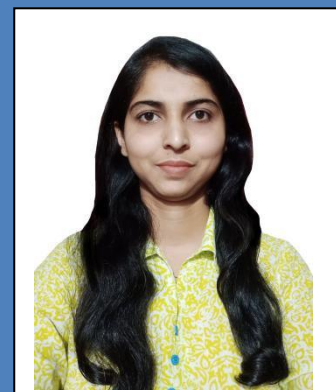
ARVIND GAVALI COLLEGE OF PHARMACY

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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 bioavailability enhancement. Neha V. Bhilare, Suneela S. Dhaneshwar, Akanksha J. Sinha, Amit D. Kandhare, Subhash L. Bodhankar. *Current Drug Delivery*, 2016, 13(4), 611-620. (JCR Impact factor: 2.565)
- Synthesis and evaluation of morpholinoethyl ester 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 aminothiols 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 (JCR Impact 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 Dombé, 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.