Dr. Nighat Batool

Assistant professor (Department of Pharmeceutical Sciences)
PAF-IAST, Mang (Haripur)
nighatbatool2352@gmail.com, nighat.batool@fbse.paf-iast.edu.pk
Contact #+92-333-3602021
https://www.researchgate.net/profile/nighat_batool

Education

- PhD (2022): College of Pharmacy University of Sargodha, Sargodha, Pakistan. Thesis title: "Development and characterization of natural and synthetic polymer based crosslinked networks for sustained delivery of Cytarabine"
- M.Phil. (2014): Department of Pharmacy, Lahore College for Women University, Lahore, Pakistan. Thesis title: "Development and characterization of diclofenac sodium loaded microspheres of ethyl cellulose and eudragit L100 by the emulsion solvent evaporation method".

Professional Experience

1: Teaching Experience:

- **Assistant professor** in the Department of Pharmaceutical Sciences, PAF-IAST **(November 2022 to date)**
- **Assistant Professor** in Department of Pharmacy, The University of Lahore, Lahore **(October 2010 to September 2020)**

2: Research Supervision Experience:

- 15 Pharm D research students at Department of Pharmacy, The University of Lahore, Lahore

Research Publications

10 International Publications in ISI indexed journals, impact factor of **23**, citations **42**, *h*-index **4**

- Nighat Batool, Rai Muhammad Sarfraz, Asif Mahmood, Umaira Rehman, Muhammad Zaman, Shehla Akbar, Diena M Almasri, Heba A. Gad, (2023). Development and Evaluation of Cellulose Derivative and Pectin Based Swellable pH Responsive Hydrogel Network for Controlled Delivery of Cytarabine. *Gels:* 9(1):60 IF 4.3 (W)
- Nighat Batool, Rai Muhammad Sarfraz, Asif Mahmood, Muhammad Zaman, Nadiah Zafar, Ahmad Salawi, Yosif Almoshari, Meshal Alshamrani, (2022). Orally administered, biodegradable and biocompatible hydroxypropyl–β–cyclodextrin–g–poly (methacrylic acid) hydrogel for pH sensitive sustained anticancer drug delivery. *Gels:* 8(3):190 IF 4.3 (W)
- Nighat Batool, Rai Muhammad Sarfraz, Asif Mahmood, Nadiah Zafar, Usman Minhas, Zahid Hussain, Umaira Rehman, (2022). Biocompatible polymeric blend for pH driven delivery of Cytarabine: Effect of feed contents on swelling and release kinetics. *Journal of Biomedical Materials Research Part B: Applied Biomaterials 110*(7), 1545-1562. IF 3.36 (X)
- Batool, N., Mahmood, A., Sarfraz, R. M., Ijaz, H., Zafar, N., & Hussain, Z. (2021). Formulation and Evaluation of Interpenetrating Polymeric Network for Controlled Drug Delivery. *Drug Development and Industrial Pharmacy: 47*(6), 931-946 IF 3.2 (X)
- Rehman, U., Sarfraz, R. M., Mahmood, A., Mahmood, T., Batool, N., Haroon, B., & Benguerba, Y. (2023). Tamarind/β-CD-g-poly (MAA) pH responsive hydrogels for controlled delivery of Capecitabine: fabrication, characterization, toxicological and pharmacokinetic evaluation. *Journal of Polymer Research*, *30*(1), 41 IF 3.1 (X)
- Rehman U, Sarfraz RM, Mahmood A, Hussain Z, Thu HE, Zafar N, Ashraf MU, Batool N, (2021). Smart pH-responsive co-polymeric hydrogels for controlled delivery of capecitabine: Fabrication, Optimization, and in vivo toxicology screening. *Current Drug Delivery*: 18(9), 1256-1271 IF 2.56 (X)