

# Maryam Afridi, M.Phil. (Pharmaceutics)

## EDUCATION

### SSC

BISE Kohat

Grade A

Session:2009

### HSSC

BISE Kohat

Grade A

Session:2011

### BS(Pharmacy)

Kohat University of Science and Technology (KUST)

Session: 2012-2017

### MPhil (Pharmaceutics)

Kohat University of Science and Technology (KUST)

Obtained CGPA. 3.96/4

Session: 2018-2021

## EXPERIENCE

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**Internship as Pharmacist**, Rehman Medical Institute, Hayatabad, Peshawar, Pakistan (July- August 2017)  
Combined Military Hospital (CMH), Kohat (August- September 2015).

**Laboratory of Microbiology**, Worked as Research Assistant at Department of Pharmacy, KUST (January-December 2021)

- Designing the Project including hypothesis and experimental plan
- Executed all in vivo and in-vitro experiments of the project
- Manuscript writing
- Team leader of research group including 4 members
- Demonstrated practical to the student of 2<sup>nd</sup> and 3<sup>rd</sup> year of Pharm-D program.

### Research Assistant in HEC project:

Title: Synergistic effect of gentamicin with silver nanoparticles.

### Teaching Experience:

Lecturer at Department of Pharmacy at Qurtuba University of science and information Technology, Peshawar KP  
(13 NOV 2023-Current)

## PUBLICATIONS

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1. Afridi, M., Khan, S. A., Afridi, R., Ullah, F., Majid, A., Khan, A. A., & Ali, N. Combining antibiotics with silver nanoparticles: A potential treatment strategy against antimicrobial resistance. Main Group Chemistry, (Preprint), 1-22.

2. Afridi, Maryam, et al. "Over-prescription of Proton Pump Inhibitors in elderly Patients at a Tertiary Care Hospital of Khyber Pakhtunkhwa, Pakistan." *mortality* 13: 14.
3. Rubab, S., Naeem, K., Rana, I., Khan, N., Afridi, M., Ullah, I., ... & Zeb, A. (2021). Enhanced neuroprotective and antidepressant activity of curcumin loaded nanostructured lipid carriers in lipopolysaccharide induced depression and anxiety rat model. *International Journal of Pharmaceutics*, 603, 120670.
4. Butool, I., Nazir, S., Afridi, M., & Shah, S. M. (2018). Evaluation and assessment of prescribing patterns in elderly patients using two explicit criteria-based screening tools:(The PRISCUS list and STOPP/START criteria). *Pakistan Journal of Medical Sciences*, 34(6), 1357.
5. "Formulation and evaluation of sustained release ocular inserts of betaxolol hydrochloride using arabinoxylan from *Plantago ovata*." *Pakistan Journal of Pharmaceutical Sciences* 34 (2021).
6. Nasir, Abdul, Maryam Afridi, Ome Kalsoom Afridi, Muhammad Arif Khan, Amir Khan, Jun Zhang, and Bai Qian. "The Persistent Pain Enigma: Molecular Drivers Behind Acute-to-Chronic Transition." *Neuroscience & Biobehavioral Reviews* (2025): 106162.

## **PATENT**

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Title: "TOPICAL `ANTIBIOTIC FORMULATION WITH IMPROVED ANTIMICROBIAL PROPERTIES AGAINST RESISTANT BACTERIA"

Patent Application No:252/2022

Filing Date: 14/04/2022