

# Dr. Hajra Afeera Hamid

Muhammad Yahya House Khurseed colony Alipur Islamabad

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Father Name: Hameed Ullah Khan

Domicile: Bannu

Nationality: Pakistani

Religion: Islam

## Expertise & Research Interest

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- Passionate, Creative and Certified Pharmacist with a doctoral degree in pharmaceuticals and a zeal to foster holistic education and learning to the students.
- Plan and conduct experiments to fabricate Micro and Nano-scale systems followed by characterization, investigation and analysis using specialized instruments like Zeta Sizer, Scanning Electron Microscope, Fourier Transform Infra-Red Spectroscopy, Differential Scanning Calorimeter, and X-Ray Diffractometer etc
- Employing theories and extrapolate data to explain experimental results
- Write up results in reports and/or scientific papers or books
- Modify existing methods to improve procedures
- I apply nano-template engineering technology for drug formulation design and delivery of challenging therapeutic drugs (hydrophilic), specifically designing and evaluating nano-particulate drug delivery systems (DDS) efficiently deliver biopharmaceuticals to the patients with boosted oral bioavailability. As, I focus on drug design to advance the field of drug delivery, so, as a researcher, I will be able to lead this field towards scientific innovations.

## Professional Registration

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- Registered Pharmacist with Pharmacy Council Khyber Pakhtunkhwa, Pakistan under the Registration No: 2134-A/2012-PC, NWFP.
- Registered with Pakistan Pharmacist Association, Pakistan.

## Experience

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- **Assistant Professor** Visiting fixed Pay at institute of Allied Health Sciences University of Science & Technology Bannu (**Present**)
- **Assistant Professor (IPFP Fellow)** at MLT Deptt Bannu University of Science & Technology ( **Mar 2024-Mar 2025**)
- **Assistant Professor** Nice College of Nursing and Allied Health Sciences Peshawar (**Jan 2023-Nov2023**)
- **Visiting Faculty** at Food Sciences Department Women Camps Bannu University (**Sep 2021-Aug2022**)
- Currently working as an **Education Coordinator cum Lecturer (Pharmacy)** at AL Mumtaz Institute of Allied Health Sciences Bannu ( **April, 2020 – Mar, 2021**)
- Worked as **Research Associate & Teacher Assistant** to facilitate and assist Supervisor Dr.Shazeb Khan at University of Malakand (**Aug 2018- Dec2019**)
- Worked as a **Hospital Pharmacist** at Pannel Memorial Christian Hospital Bannu (**15 Aug, 2017 - 31 May, 2018**)
- Worked as a **Nutritionist** at Govt of KPK Integrated nutrition Program in RHC Domal (**31 Dec, 2014 – 15 Mar, 2016**)
- Worked as a **Social Worker** at KPK Govt. (child protection & welfare Commission) Bannu (**01 July, 2014 - 15 Dec, 2014**)
- Worked as a **Diabetes Educator** at ELI Lilly in DHQ & KGN Hospital, Bannu (**01 Jan, 2012 – 15 Mar, 2014**)
- Worked as a **Hospital Pharmacist** at KGN & Women & Children Hospital, Bannu (**01 Sep, 2010 - 31 Mar, 2011**)

## Trainings and Internship Workshops

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- "Clinical Pharmacy Internship" Twice in 2008 and 2009, (total 7 months) at Hayatabad Medical Complex and Lady Reading Hospital Peshawar and also conducted two thesis Reports/projects

Pharmacotherapy of Cardiac Drug  
Clinical Clerkship Thesis Report

- Training on Gender basic in KhwendoKor ,13 oct, 2011 – 14 oct, 2011, Head office, phase – 3, Hayyat Abad, Peshawar
- Initial Development Academy training completion 21 May -26 May 2012, in Eli Lilly and Company, Karachi
- Conference on Conversation Map Facilitator Eli Lilly and Company on 26 May, 2012 at Karachi
- Launching Training certificate from Nutrobiotics Nutritional life science on 17 May, 2014 at Peshawar
- Completion of 3-day Capacity Building Training on Child Protection Issues held on 1-3 Nov, 2014 at Arcadian Blue Pine Hotel Ghora Gali, Murree
- 1st National Conference on “Emerging Trends in Pharmaceutical Sciences on 9-11 Oct, 2017 at Department of Pharmacy, University of Malakand, Dir (L)

## Academic record

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Discipline	Major	Institute	Year Completion
□ Ph.D.	<b>Nano Medicines/ Pharmaceutics</b>	University of Malakand Pakistan	2013 – 2021
□ M. Phil. Leading Ph. D.	Pharmaceutics	University of Malakand Pakistan	2013 - 2017
□ Pharm. D	Pharmacy	University of Peshawar, Pakistan	2011
□ B.Sc.	Pure Science	Gomal University D.I. Khan	2005
□ HSSC	Pre-medical	BISE, Bannu	2003
□ SSC	Science Group	BISE, Bannu	2001

## Publications

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- **Hameed, H. A.**, Khan, S., Shahid, M., Ullah, R., Bari, A., Ali, S. S., & Htar, T. T. (2020). Engineering of naproxen loaded polymer hybrid enteric microspheres for modified release tablets: development, characterization, in silico modelling and in vivo evaluation. *Drug design, development and therapy*, 14, 27. **(IP.3.16)**
- **Hamid, H. A.**, Khan, S., Shah, S. M. N., Asghar, M., Shahid, M., Hussain, Z. & Ahmad11, N. (2021). Piroxicam loaded polymer hybrid microspheres based tablets with modified release

kinetics: Development, characterization and in vivo evaluation. *Pak. J. Pharm. Sci*, 34(1), 327-335. **(IP.0.5)**

- Ikram, H., Rehman, B., **Hamid, H. A.**, Khan, D. E. N., Omer, A., & Khan, S. I. (2023). Isolation of Amylase Producing Bacteria From Soil of Peshawar Region and its Biochemical Characterization. *Global Drug Design & Development Review*, VIII(III), 1-13.
- Khan, M.A., Khan, S., Kazi, M., Alshehri, S.M., Shahid, M., Khan, S.U., Hussain, Z., Sohail, M., Shafique, M., **Hamid, H.A.** and Kamran, M., 2021. Norfloxacin loaded lipid polymer hybrid nanoparticles for oral administration: fabrication, characterization, in silico modelling and toxicity evaluation. *Pharmaceutics*, 13(10), p.1632. **(IF,6.4)**
- Rehman, B., Umer, A., Amanc, M. K., **Hamid, H. A.**, Iqbal, D., & Khan, S. I. (2024) Phytochemical and Pharmacological Investigation of Lespedeza Gerardiana.
- Khan, R., Haq, M. N. U., Shah, G. M., Ullah, W., Rahman, K. U., Shah, Z., ... & **Hamid, H. A.** (2024). Antioxidant, antimicrobial, enzyme inhibitory and cytotoxic effect of Taverniera counifolia plant mediated Silver nanoparticles. *LIAQUAT MEDICAL RESEARCH JOURNAL*, 6(4).
- Khan, A., Arshad, A., Khan, R.A., Ullah, I., Shah, B.U., Ullah, W., Shah, J., **Hamid, H.A.**, Shaha, M.S., Gul, R. and Khan, F., 2025. ASSOCIATION OF THYROID HORMONE WITH LIPID PROFILE IN PATIENTS VISITING DISTRICT RAWALPINDI HOSPITAL, PAKISTAN. *LIAQUAT MEDICAL RESEARCH JOURNAL*, 7(2).
- **Hamid, H. A.**, Jan, K., Gul, F., Jan, S. H. A., Rabnawaz, M., Ullah, M. J., & Bibi, R. (2025). Prevalence of sexually transmitted infections among married women in Pakistan. *The Professional Medical Journal*, 32(11), 1562-1567.
- Khan, F., Shah, J., Ullah, B., Khan, Z., Khan, S., Khan, A., **Hamid, H.A.**, Ullah, I. and Arshad, A., 2025. Mutational Analysis of Osteogenesis Imperfecta (OI) in Consanguineous Pakistani Families. *Open Access Public Health and Health Administration Review*, 1(1), pp.113-122.
- Sherkheli, M. A., Zain, A., **Hamid, H. A.**, Khalid, R., Khan, M. A., Khan, M. B., & Noor, A. (2025). Nanoparticle-Based Photothermal Carriers For Cold-Chain Free Vaccine Delivery: A Pilot Cohort Study. *Journal of Health, Wellness and Community Research*, e956-e956.
- Zahoor Islam, Atif Maqsood, Muhammad Asghar Khan, **Hajra Afeera Hamid**, Atiq Ur Rahman, Aziz Ur Rahman\*(2025) NANOPARTICLE-MEDIATED DELIVERY OF ANTI-INFLAMMATORY AGENTS IN OSTEOARTHRITIS THERAPY, *The Research of Medical Science Review*.

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## Professional Skills

- Microsoft Office (Word, Excel, PowerPoint)
- Self-motivation, confidence, patience, tolerance
- Flexibility, creative, adaptability,
- Critical Thinking and Analytical Skills
- Excellent Communication Skills
- Planning and Organizing Skills

## References:

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- **Dr. Shahzeb Khan**  
Assistant Professor at University of Malakand, KPK, Pakistan  
**Cell # 03459492869**
  - **M. Noor Shah**

Plant Manager Navegal Lab Hattar Haripur, KPK, Pakistan  
**Cell # 03335459659**

- **Dr. Sajjad Ahmad**  
Assistant Professor  
Department of Pharmacy, Faculty of Life Sciences,  
Sarhad University of Science and Information Technology, Peshawar, KPK, Pakistan  
**Cell # 03459508389**