

KHYBER MEDICAL UNIVERSITY
INSTITUTE OF PHARMACEUTICAL SCIENCES
FACULTY CURRICULUM VITAE HEC-format based template



CURRICULUM VITAE

1. Personal Information

- Name: Muhammad Waseem Khan, Ph.D.
- Designation: Assistant Professor, Pharmaceutics
- Department/Institute: Institute of Pharmaceutical Sciences
- University: Khyber Medical University, Peshawar
- Email: Khanwaseem6065@gmail.com; waseemkhan.ips@kmu.edu.pk
- Phone: +92-3459146065
- ORCID: 0000-0003-1074-6730
- Google Scholar: <https://scholar.google.com/citations?user=PFUun10AAAAJ&hl=en>
- Research Gate: <https://www.researchgate.net/profile/Muhammad-Khan-268>

2. Academic Qualifications

Degree	Discipline	Institution	Year
PhD	Pharmaceutics	Tongji Medical College, Huazhong University of Science & Technology, Wuhan, P.R.China	2019
MPhil/MS	Pharmaceutics	The Islamia University, Bahawalpur, Punjab, Pakistan	2013
Pharm-D/Master	Pharmacy	Gomal University, Dera Ismail Khan, KP, Pakistan	2008

3. Professional Experience

Position	Organization	Duration
Assistant Professor	IPS-KMU	Feb 2025 till now
Lecturer	IPS-KMU	Aug 2023- Feb 2025
Lecturer	KUST	March 2021 to Aug 2021
IPFP Fellowship	IPS-KMU	Dec 2021- Dec 2022

4. Administrative Responsibilities

- Focal Person Exam Cell, IPS-KMU
- Focal Person Admission Committee, IPS-KMU
- Advisor 1st Professional Pharm D, IPS-KMU

5. Areas of Specialization / Research Interests

- Pharmaceutics
- Nanomedicine
- Drug Delivery
- Formulation Development

6. Publications

Summary

- Total Publications: 25
- Impact Factor Publications:128
- HEC W Category: 22
- HEC X Category: 1
- HEC Y Category:1

Selected Publications

1. Ullah, Zakir, Muhammad Khurshid Alam Shah, Asif Nawaz, Muhammad Waseem Khan, Muhammad Shahid Latif, Omar Awad Alsaidan, Sami I. Alzarea, and Mohammad Shoaib. "Formulation development of Sertaconazole loaded nanoemulsion and gel for the management of deep skin fungal infection: in vitro, ex-vivo and in vivo characterizations." *Archives of Dermatological Research* 318, no. 1 (2026): 229.
2. Maryiam, Aleena, Sibgha Batool, Zakir Ali, Fatima Zahid, Ali H. Alamri, Taha Alqahtani, Adel Al Fatease, Ahmed A. Lahiq, Muhammad Waseem Khan, and Fakhar ud Din. "Thermoresponsive biomaterial system of irinotecan and curcumin for the treatment of colorectal cancer: in-vitro and in-vivo investigations." *Pharmaceutical Development and Technology* 30, no. 1 (2025): 37-56.

3. Hassan, Said, Bashir Ahmad, Muhammad Waseem Khan, Zafar Abbass Shah, Amin Ullah, Sana Ullah, Dilfaraz Khan et al. "Cytotoxic activity of phytoconstituents isolated from *monotheca buxifolia* against hepatocellular carcinoma cell line HepG2: in vitro and molecular docking studies." *ACS omega* 8, no. 37 (2023): 33572-33579.
4. Khan, Muhammad Waseem, Chenming Zou, Said Hassan, Fakhar Ud Din, Mahaman Yacoubou Abdoul Razak, Asif Nawaz, Alam Zeb, Abdul Wahab, and Sudhair Abbas Bangash. "Cisplatin and oleanolic acid Co-loaded pH-sensitive CaCO₃ nanoparticles for synergistic chemotherapy." *RSC advances* 12, no. 23 (2022): 14808-14818.
5. Batool, Sibgha, Fatima Zahid, Fakhar Ud-Din, Syeda Sohaila Naz, Muhammad Junaid Dar, Muhammad Waseem Khan, Alam Zeb, and Gul Majid Khan. "Macrophage targeting with the novel carbopol-based miltefosine-loaded transfersomal gel for the treatment of cutaneous leishmaniasis: in vitro and in vivo analyses." *Drug development and industrial pharmacy* 47, no. 3 (2021): 440-453.
6. Chen, Yan, Chen Chen, Xiaojuan Zhang, Chuanchuan He, Pengxuan Zhao, Minsi Li, Ting Fan et al. "Platinum complexes of curcumin delivered by dual-responsive polymeric nanoparticles improve chemotherapeutic efficacy based on the enhanced anti-metastasis activity and reduce side effects." *Acta Pharmaceutica Sinica B* 10, no. 6 (2020): 1106-1121.
7. Khan, Muhammad Waseem, Pengxuan Zhao, Asifullah Khan, Faisal Raza, Shahid Masood Raza, Muhammad Sarfraz, Yan Chen et al. "Synergism of cisplatin-oleanolic acid co-loaded calcium carbonate nanoparticles on hepatocellular carcinoma cells for enhanced apoptosis and reduced hepatotoxicity." *International Journal of Nanomedicine* (2019): 3753-3771.

7. Research Grants & Projects

Project Title	Funding Agency	Amount	Status
Nano-Based Gels for Addressing Antimicrobial Resistance in Diabetic Wound Management (Ref: No.20- 135915– 50 /NRPU/R&ID/HEC/2026)	HEC, Pakistan	11.35 Million PKR	Ongoing
Investigating the Anti-diabetic Potential of Metformin/oleanolic acid-loaded Chitosan nanoparticles in Streptozotocin-Induced Diabetic Rats	ORIC, KMU	0.5 Million	Ongoing

8. Student Supervision

Level	Completed	Ongoing
MPhil/MS		2

9. Teaching Experience

Undergraduate Courses

- Pharmaceutics-I (Physical Pharmacy)
- Pharmaceutics-IV (Industrial Pharmacy)
- Pharmaceutics-V (Biopharmaceutics and Pharmacokinetics)
- Pharmaceutics-VI (Pharmaceutical Quality Management)

Graduate/Postgraduate Courses

- Advanced Biopharmaceutics and Pharmacokinetics
- Formulation Design and Product Development

10. Conferences, Workshops & Trainings

- Participated in the National Faculty Development Program (NFDP, 2021 Conducted by National Academy of Higher Education (NAHE), Higher Education Commission, Pakistan.
- Participated in the 3rd Annual International Pharmacy Scientific Symposium and Pharmaceutical Exhibition at University of Central Punjab, Lahore, Pakistan (March 28-30, 2014)
- Clerkship in Clinical Pharmacy at Hayatabad Medical Complex, Peshawar (April 2008-June 2008)
- Participated in the 13th International Pharmacy Conference and Exhibition at Lahore, Pakistan Organized by Pakistan Pharmacists Association (Feb 16-19, 2006)

11. Awards, Honors & Distinctions

- Awarded Higher Education Commission, Pakistan Overseas Scholarship for PhD in China (2015-2019).
- Certificate of “Honorary International Graduate” of 2019 awarded by Huazhong University of Science and Technology, Wuhan, P.R.China.
- Awarded The Best Teacher Award by Khyber Medical University (Session 2024-25)

12. Professional Memberships

- Pakistan Pharmacists Association
- Registered Pharmacist, Pakistan pharmacy council (PCP); Registration NO: 1458-A/2009 under KP Pharmacy council, Pakistan

13. Community Services / Outreach Activities

- Do participate in outreach programs and public seminars educating the community on responsible medication use and prevention of drug misuse.

14. References

- Prof. Xiang Guangya (PhD Advisor) Professor, School of Pharmacy, Tongji Medical College, HUST, Wuhan, China. Contact No: +86-13437294800
Mailing Address: gyxiang1968@hotmail.com