

CURRICULUM VITAE

Khyber Medical University, Peshawar

1. Personal Information

Name: Dr. Nasir Ahmad

Designation: Assistant Professor, Pharmacy/Pharmacology

Department: Institute of Pharmaceutical Sciences

University: Khyber Medical University (KMU), Peshawar, Pakistan

Gender: Male

Citizenship: Pakistan

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2. Academic Qualifications

Degree	Discipline	Institution	Year
PhD	Pharmacogenomics and Molecular Pharmacology (5 years)	Institute of Basic Medical Sciences, Khyber Medical University, Peshawar	Jan 2015 – Dec 2021
Pharm-D	Doctor of Pharmacy (5-year bachelor's)	Faculty of Pharmacy, Gomal University, Dera Ismail Khan, Pakistan	Jul 2006 – Dec 2011

3. Professional Experience

Position	Organization	Duration
Assistant Professor	Institute of Pharmaceutical Sciences, Khyber Medical University, Peshawar	Nov 2025 – Present
Lecturer	Institute of Pharmaceutical Sciences, Khyber Medical University, Peshawar	Aug 2023 – Nov 2025
Assistant Professor / Director Research	Jinnah Medical College, Peshawar	Feb 2022 – Aug 2023
Research Associate	Public Health Reference Lab, KPK, Peshawar	Feb 2020 – Feb 2022
Research Associate	Khyber Medical University, Peshawar	Jan 2016 – Jul 2020

Key Responsibilities

- Assistant Professor / Lecturer, KMU: Teaching Pharmacology and related subjects to Pharm-D and postgraduate students; supervision of student research; postgraduate program coordinator and secretary to various academic committees.
- Assistant Professor / Director Research, Jinnah Medical College: Teaching Pharmacology and research to MBBS students; proposal development and manuscript writing; coordination with faculty on grants and

manuscripts; curriculum development and assessment; maintained the Research Cell for undergraduate students.

- Research Associate, Public Health Reference Lab, KPK: COVID-19 and other infectious disease diagnostics and research; COVID-19 VOC sequencing to track variant virulence and prevalence.
- Research Associate, KMU: Wrote proposals and grants; assisted supervisors with lectures, write-ups, and office work; taught research techniques to junior postgraduate students.

4. Administrative Responsibilities

- Postgraduate Program Coordinator and Secretary to various academic committees, Institute of Pharmaceutical Sciences, KMU.
- Director Research, Jinnah Medical College, Peshawar (Feb 2022 – Aug 2023).
- Secretary, Graduate Study Committee, Institute of Pharmaceutical Sciences, KMU.
- Maintained the Research Cell for undergraduate students at Jinnah Medical College.

5. Areas of Specialization / Research Interests

- Molecular Pharmacology — mechanisms underlying drug response and resistance.
- Pharmacogenomics — genetic determinants of statin response in hyperlipidemic patients.
- Cancer Biomarkers — circulating free DNA as a prognostic biomarker in breast cancer.
- Drug Resistance — role of drug transporters in resistance to chronic myeloid leukemia.

Technical Skills & Competencies

- Bioinformatics: Gene quantification, expression analysis, genotyping, gene sequencing, and related software.
- Stata, GraphPad Prism, SPSS.
- Wet Lab: Nucleic acid isolation, PCR, HPLC, Western Blot, Sequencing.

6. Publications

Summary

Total Publications: 13 journal articles (3 first-author, 10 co-author)

Full List of Publications

- Ahmad N*, Zakria M, Shah Z. Exploring COVID-19 Vaccine Hesitancy and associated factors among Medical College Students. *Advances in Basic Medical Sciences*. 2025 May 27;9(1):15-21.
- Jahan S, Ikram M, Siraj S, et al. Emodin, a Potent Anthraquinone Mitigates MPTP-Induced Parkinson's Disease Pathology by Regulating Nrf2 and Its Downstream Targets: In Silico and In Vivo Approach. *Molecular Neurobiology*. 2025 Feb.
- Waseem M, Iqbal M, Khan IN, Zakria M, Ahmad S, Rahim T, Ahmad N, Muhammad H, Siraj S, Ali A, Ahmed S, Harakeh S, Yousafzai YM. SARS-CoV-2 variants and genomic surveillance in the low-resource north-west region of Pakistan. *Biotechnology & Biotechnological Equipment*. 2024 Sep;38(1).
- Shakir U, Saad A, Ahmad N, Muhammad Z, Muhammad N, Muhammad I. Association of GABRG2 rs211037 Gene Polymorphism with Epilepsies and Pharmacoresistance to Anti-Epileptic Drugs; A Meta-Analysis. *Precision Medicine Communications*. 2023;3(2):119-132.
- Zakria M, Hussain A, Ahmad N, Ahmed N, Rauf MA, Siraj S. The lipid-lowering efficacy of Rosuvastatin is associated with variations in SLCO1B1: a 12-month prospective study. *European Review for Medical and Pharmacological Sciences*. 2023 May;27(10):4708-4717.

- Umair M, Ullah N, Noor SK, Ahmad I, Ullah J, Zareef A, Saeed W, Ahmad N, Qayum S, Jabbar A, Ali AK, Yousafzai YM. Establishment of a novel RT-qPCR assay for the detection of mutations in myeloproliferative neoplasms. *Journal of Pharmaceutical Negative Results*. 2023;14(3).
- Ahmad N, Muhammad H, Khan IN, Siraj S, Ahmad S, Zakria M, et al. Effectiveness of PCR Pool Testing for Screening of COVID-19 Infection in Pakistan. *Journal of Ayub Medical College, Abbottabad*. 2022;34(4):817-822.
- Umair M, Ullah N, Khan SN, Ullah J, Zareef A, Saeed W, Ahmad N, Qayum S, Jabbar A, Khan AA, Yousafzai YM. Development of an in-house real time q-PCR assay for the detection of JAK2 mutations in myeloproliferative neoplasms. 2022.
- Bukhari A, Khan Z, Ahmad N, Yousafzai YM, Siraj S, Khan MM, Jameel A, Nawaz N, Ali A. Comparison of Methods of Isolation and Quantification of Cell Free DNA from Plasma of Patients with Breast Cancer. *Pak-Euro Journal of Medical and Life Sciences*. 2021;4(4):359-66.
- Ahmad N, Qayum S, Jameel A, Ali A, Siraj S, Ali J, et al. Clinical and laboratory relevance of JAK2 V617F and BCR-ABL co-existence in Philadelphia positive CML patients. *Pakistan Journal of Pharmaceutical Sciences*. 2021;34.
- Zakria M, Ahmad N, Al Kury LT, Alattar A, Uddin Z, Siraj S, et al. Melatonin rescues the mice brain against cisplatin-induced neurodegeneration, an insight into antioxidant and anti-inflammatory effects. *Neurotoxicology*. 2021;87:1-10.
- Mehmood Y, Khan S, Wahid QA, Paracha I, Ali A, Ahmad N. Chediak Higashi Syndrome – Too little, too late? *International Journal of Pathology*. 2018:156-60.
- Khan I, Haq ZU, Shaheen A, Afridi MZ, Ahmad N, Abassi R, et al. Systematic review and meta-analysis of association of β -2 adrenergic receptor gene polymorphisms with nocturnal asthma. *Journal of Postgraduate Medical Institute*. 2017;31(3).

7. Selected Publications

- Ahmad N*, Zakria M, Shah Z. Exploring COVID-19 Vaccine Hesitancy and associated factors among Medical College Students. *Advances in Basic Medical Sciences*. 2025;9(1):15-21.
- Ahmad N, Muhammad H, Khan IN, Siraj S, Ahmad S, Zakria M, et al. Effectiveness of PCR Pool Testing for Screening of COVID-19 Infection in Pakistan. *Journal of Ayub Medical College, Abbottabad*. 2022;34(4):817-822.
- Zakria M, Hussain A, Ahmad N, Ahmed N, Rauf MA, Siraj S. The lipid-lowering efficacy of Rosuvastatin is associated with variations in SLCO1B1: a 12-month prospective study. *European Review for Medical and Pharmacological Sciences*. 2023;27(10):4708-4717.
- Ahmad N, Qayum S, Jameel A, Ali A, Siraj S, Ali J, et al. Clinical and laboratory relevance of JAK2 V617F and BCR-ABL co-existence in Philadelphia positive CML patients. *Pakistan Journal of Pharmaceutical Sciences*. 2021;34.

8. Research Grants & Projects

Project Title	Funding Agency	Status	Output
Establishing Cell Culture Lab	Office of Research Innovation & Commercialization, KMU	Ongoing (Jul 2024 – Present)	Cell Culture Lab established at IPS-KMU
Role of Drug Transporters in Resistance to Chronic Myeloid Leukemia (PhD Project)	Higher Education Commission of Pakistan	Published and ongoing (Aug 2016 – Sep 2021)	Published

Project Title	Funding Agency	Status	Output
	and Khyber Medical University		

9. Student Supervision

- Supervised numerous Medics in their hospital and community research (February 2022-August 2023)
- Supervised 3 MPhil (Master's) and 1 PhD student (August 2023 – Present).

10. Awards

- Indigenous PhD Fellowship, Higher Education Commission, Pakistan.

11. Teaching Experience

- Pharmacology, Khyber Medical University, Peshawar (Aug 2023 – Present).
- Pharmacology, Medical Research, Jinnah Medical College, Peshawar (Feb 2022 – Aug 2023).
- Research Techniques and Writing, Khyber Medical University, Peshawar (Jan 2016 – Jun 2020).

12. Conferences, Workshops & Trainings

- Oral Presentation: Ahmad N, Yousafzai YM. Using PCR for analysis of drug resistance in BCR-ABL positive Chronic Myeloid Leukaemia. 1st International Basic Medical Sciences Conference (BMedCon 2018), Khyber Medical University, Oct 2018.

13. Community Services / Outreach Activities

Not specified in source CV.

14. References

Dr. Yasar Mehmood Yousafzai

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