



NAJEEB ULLAH (PhD)

PERSONAL INFORMATIONS

- ✦ **Associate Professor**.....Khyber Medical University, Pakistan
- ✦ Personal Email.....najeebwazir@hotmail.com
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- ✦ Cell Phone.....+923339083922 (Pak)
- ✦ ORCID Profile.....<https://orcid.org/0000-0001-7875-6834>
- ✦ Google Scholar Profile.....<https://scholar.google.com/citations?hl=en&authuser=1&user=JGvLa3YAAAA>
- ✦ Research Citation: **1200+** and H-Index **15+**

PROFESSIONAL SUMMARY

- ✦ Experienced with a strong background in academia and research.
- ✦ Committed to making a meaningful impact through teaching and research.
- ✦ Proficient in communication, teaching, and research methodologies
- ✦ Proven track record of scientific achievements showcased through publications.
- ✦ Seeking a role in a world-class organization dedicated to scholarly excellence.

EDUCATION AND QUALIFICATIONS

- ✦ **PhD in Biology** (Neurobiology), Gyeongsang National University, South Korea.....(2007-2011)
- ✦ **Masters in Biology** (BMB), Quid-i-Azam University, Islamabad, Pakistan.....(2000-2002)
- ✦ **Bachelor of Science** (Biology and Chemistry), Gomal University, DI Khan, Pakistan.....(1997-1999)
- ✦ **Intermediate** (Pre-Medical) B.I.S.E.....(1994-1996)
- ✦ **Matriculation** (Science) B.I.S.E.....(1993-1994)

PROFESSIONAL EXPERIENCES

- ✦ **Associate Professor**, Khyber Medical University, Pakistan.....(2022-Present)
- ✦ **Assistant Professor**, Khyber Medical University, Pakistan.....(2012-2021)
- ✦ **Postdoctoral Research Associate**, Peking University, China.....(2017-2018)
- ✦ **Postdoctoral Research Fellow**, Gyeongsang National University, South Korea.....(2011-2012)

SUMMARY OF RESEARCH INTERESTS

- ✦ Molecular mechanisms underlying cellular neurobiology of Psychiatric disorders.
- ✦ Pathophysiology and treatment approaches for neurodegenerative diseases.
- ✦ Strategies for neuroprotection and neural repair.

- ✧ Mechanisms of neuronal communication and synaptic adaptability.
- ✧ Impact of aging on brain function and neurological disorders.
- ✧ Pharmacological interventions in neurology and psychiatry.
- ✧ Neurological complications arising from brain injuries.
- ✧ Role of oxidative stress and antioxidants in neural health.
- ✧ Function of GABA and glutamate receptors in neural signaling.
- ✧ Biological responses to stress and potential for tissue regeneration.
- ✧ Identification of cancer biomarkers and advancements in chemotherapy.
- ✧ Cancer signaling and Chemotherapeutics

SELECTED SCHOLARLY PUBLICATIONS

- ✧ **22.** "Ambroxol's Role in PTZ-Induced Anxiety-Like Conditions in Mice: Targeting Neuroinflammation and Oxidative Stress via In Vivo and In Silico Approaches. **Molecular Neurobiology**, **2025**, Accepted for Publication.
- ✧ **21.** Alpha-Linolenic Acid for Mitigating Neuroinflammation and Dopaminergic Neuronal Loss in Parkinson's disease: Insights From In Vivo and In Silico Studies. **Clinical and Experimental Pharmacology and Physiology**, **2025**; doi.org/10.1111/1440-1681.70043
- ✧ **20.** Emerging Biomarkers in Major Depressive Disorder: Diagnostic, Prognostic, and Therapeutic **INNOSC Theranostics and Pharmacological Sciences**, **2025**; 4404 <https://doi.org/10.36922/itps.4404>
- ✧ **19.** Multiple Primary Spinal Extradural Hydatid Cysts: A Clinical Case Report. **Am J Biomed Sci & Res**, **2024**; DOI: 10.34297/AJBSR.2024.23.003043
- ✧ **18.** Chitosan-Based Polymeric Nanoparticles as an Efficient Gene Delivery System to Cross Blood Brain Barrier: In Vitro and In Vivo Evaluations, **Pharmaceuticals**, **2024**; Pharmaceuticals 17(2):169DOI:10.3390/ph17020169
- ✧ **17.** Effects of ethyl pyruvate in lipopolysaccharide model of Parkinson's disease, **Journal of Population Therapeutics and Clinical Pharmacology**, **2024**; 30(17), 2266–2274. <https://doi.org/10.53555/jptcp.v30i17.2965>
- ✧ **16.** Antidepressant-like effect of ethanol in mice forced swimming test is mediated via inhibition of NMDA/nitric oxide/cGMP signaling pathway, **Alcohol**. **2021**; 92 (2) <https://DOI: 10.1016/j.alcohol.2021.01.005> (Co-Author)
- ✧ **15.** Association of Acyl-Ghrelin with Posttraumatic Stress Disorder in Adolescents Who Experienced Severe Trauma. **JAMA Network Open**. **2020**; 3;3(8): doi: 10.1001/jamanetworkopen.2020.13946. (Co-Author)
- ✧ **14.** Melatonin Act as an Antidepressant via Attenuation of Neuroinflammation by Targeting Sirt1/Nrf2/HO-1 Signaling. **Front. Mol. Neurosci**, **2020**. <https://doi.org/10.3389/fnmol.2020.00096>. (Co-Author)
- ✧ **13.** Neurological enhancement effects of melatonin against brain injury-induced oxidative stress, neuroinflammation and neurodegeneration via AMPK/CREB signaling. **Cells**. **2019**; 8, 760; doi: 10.3390/cells8070760. (Co-Author)

- ✧ 12. Current and Emerging Biomarkers in Tumors of the Central Nervous System: Possible Diagnostic, Prognostic and Therapeutic Applications. **Seminars in Cancer Biol.** **2017**; 52(Pt 1):85-102. doi: 10.1016/j.semcancer.2017.07.004. (Co-Author)
- ✧ 11. Caffeine prevents D-galactose-induced cognitive deficits, oxidative stress, neuroinflammation and neurodegeneration in the adult rat brain. **Neurochem Int.** **2015**; pii: S0197-0186(15)30004-8. doi: 10.1016/j.neuint.2015.07.001. (Co-Author)
- ✧ 10. Nanoscale poly (4-hydroxybutyrate)-mPEG carriers for anticancer drugs delivery. **Journal of nanoscience and nanotechnology.** **2014**; 14 (11), 8416-8421. DOI: 10.1166/jnn.2014.9924.
- ✧ 9. Decreased GABABR expression and increased neuronal cell death in developing rat brain after PTZ-induced seizure. **Neurological Sciences.** **2013**; 34 (4), 497-503. doi: 10.1007/s10072-012-1083-0. (Co-Author)
- ✧ 8. Neuroprotective profile of pyruvate against ethanol-induced neurodegeneration in developing mice brain. **Neurol Sci.** **2013**; 34(12):2137-43. doi: 10.1007/s10072-013-1350-8. (First author)
- ✧ 7. Protective function of nicotinamide against ketamine-induced apoptotic neurodegeneration in the infant rat brain. **J Mol Neurosci.** **2012**; 47(1):67-75. doi: 10.1007/s12031-011-9685-1. (First author)
- ✧ 6. Amorphous amphiphilic poly(3-hydroxyvalerate-co-4-hydroxybutyrate)-b-monomethoxy-(polyethyleneglycol) copolymer nanoparticles for targeted delivery to cancer cells. **Eur J Pharm Biopharm.** **2012**; 80(3):518-27. doi: 10.1016/j.ejpb.2011.11.014.Epub 2011 Dec 9. (Contributed equally as a first author)
- ✧ 5. Protective effect of pyruvate against ethanol-induced apoptotic neurodegeneration in the developing rat brain. **Neuropharmacology.** **2011**; 61(8): 124855., doi: 10.1016/j.neuropharm.2011.06.031Epub 2011 Jul 23. (First author)
- ✧ 4. siRNA-mediated GABA_B receptor at early fetal rat brain upon acute and chronic ethanol exposure: Down regulation of PKA and p-CREB expression. **Synapse.** **2011**; 65(2):109-18. doi: 10.1002/syn.20824. (Co-Author)
- ✧ 3. Protective Effect of Vitamin C against Ethanol and PTZ-Induced Apoptotic Neurodegeneration in Prenatal Rat Hippocampal Neurons. **Synapse.** **2011**; 65(7): 562-71.doi: 10.1002/syn.20875.. (Contributed equally as a first author)
- ✧ 2. Ethanol and PTZ effects on siRNA-mediated GABA_{B1} receptor: Down regulation of intracellular signaling pathway in prenatal rat cortical and hippocampal neurons. **Synapse.** **2011**; 65(2):109-18. doi: 10.1002/syn.20824. (Co-Author)
- ✧ 1. Effect of the co- administration of vitamin C and vitamin E on tyrosine hydroxylase and Nurr1 expression in the prenatal rat ventral mesencephalon. **Journal of Veterinary Medical** **2008**; 70(8): 791-797. doi.org/10.1292/jvms.70.791. (Co-author)

RESEARCH PATENT REGISTERED

- ✧ M Khan. **2021.** TRANS-ANETHOLE ((E)-1-METHOXY-4- (1-PROPENYL) BENZENE), A NEW AND POTENT INHIBITOR OF PROLYL ENDOPEPTIDASE, Utility under 35 USC 111(a). Patent Application Number: **17214886.**

RESEARCH GRANTS & PROJECTS

- ✧ “National Research Program for Universities (NRPU)” by Higher Education Commission (HEC) Pakistan.....(2021-2025)
- ✧ “Office of Research Innovation and Commercialization” ORIC-KMU (FaRe) Grant.....(2021-2022)
- ✧ “Institutional Strengthening Grant for Upgrading Laboratories and Libraries (ISULL)”- Higher Education Commission (HEC) Pakistan.....(2017-2019)
- ✧ Travel Grant from Higher Education Commission (HEC) Pakistan.....(2017-2018)

PROFESSIONAL TRAINING AND CERTIFICATES

- ✧ Certification Health Professional & Education (12 Credits hrs.), KMU, Pakistan.....(2025)
- ✧ Certificate Project Management (Project Proposal Development & Implementation).....(2025)
- ✧ **Outstanding Performance Certificate**, Team Member, KMU, Pakistan.....(2011–2016)

HONOR, AWARDS AND CERTIFICATES

- ✧ “Reviewer Certificates By Springer Nature.....(2024-2025)
- ✧ “Travel Award” 8th Forum of European Neuroscience Societies, (FENS).....(2012)
- ✧ “Best teacher Award” Khyber Medical University, Pakistan.....(2011-2012)
- ✧ “Best Presentation Award” Gyeongsang National University (GNU), South Korea.....(2010)
- ✧ “Brain Korea 21 (BK21) PhD Scholarship.....(2007-2011)

ACADEMIC MENTORSHIP & SUPERVISORY ENGAGEMENT

- ✧ Mentored my follow up graduate student’s (MS/PhD) research projects.
- ✧ Trained them in cutting-edge cellular, biochemical and behavioral techniques.
- ✧ Trained them for scientific writing, publishing skills and peer review process.
- ✧ Supervised postgraduate students research.

PEER REVIEW ACTIVITIES

- ✧ Life, Brain Sciences, Neuroscience,
- ✧ Molecular Neurobiology, Biomedicine.
- ✧ British Journal of Pharmacology, Pharmaceutical, Frontiers in Pharmacology
- ✧ Cell Death & Disease and BMC Medicine.
- ✧ Advances in Basic Medical Sciences (ABMS) Journal.
- ✧ Open Access Journal of Cancer & Oncology (OAJCO).
- ✧ Journal of Brain Tumors & Neuro-oncology, etc.
- ✧ Reviewer of Postgraduate Research.
- ✧ External and Internal Research Thesis Viva Examiner and Convener.

COMMUNITY AND VOLUNTEER ACTIVITIES

- ✧ Consultant and Reporter) during Covid-19 Pandemic.....(2020-2022)
Public Health Reference laboratory (PHRL),(KMU), Pakistan.
- ✧ Programme Team Member, Quality enhancement Cell (QEC), KMU.....(2011-2016)

ACADEMIC COMMITTEES & SERVICE CONTRIBUTIONS

- ✧ Graduate Study Committee, Institute of Basic Medical Science, KMU, Pakistan.
- ✧ Institutional Animal Care & Use Committee (IACUC), KMU, Pakistan.
- ✧ Member of Examination Inspection, Khyber Medical University, Pakistan.
- ✧ Board of Advance Studies and Research Universities, KP, Pakistan.

CONFERENCES AND POSTERS PRESENTED

- ✧ The 3rd International Online on Biomedicine conference ECB 2025
- ✧ BMedcom, Khyber Medical University, Peshawar Pakistan 2023.
- ✧ FENS, Barcelona, Spain 2012.
- ✧ 21st **KSMCB**, Seoul, South Korea 2009.
- ✧ 19th Annual Meeting of the Korean Society for molecular and cellular Biology. Seoul South Korea. 2008
- ✧ 19th Annual Meeting of the Korean Society for molecular and cellular Biology. Seoul South Korea. 2007

SCIENTIFIC & RESEARCH SOCIETY MEMBERSHIPS

- ✧ Pakistan Biological Safety Association-(**PBSA**).
- ✧ American Society for Neuroscience-(**SfN**).
- ✧ Forum of European Neuroscience Societies-(**FENS**).
- ✧ International Society for Neuroscience-(**ISN/APS**).
- ✧ The Korean Society for Molecular and Cellular Biology-(**KSMCB**).