



NAJEEB ULLAH

PERSONAL INFORMATIONS

- ✦ Research Associate Professor.....Khyber Medial University, Pakistan
- ✦ Personal Email.....najeebwazir@hotmail.com
- ✦ Organizational Email.....drnajeeb.ibms@kmu.edu.pk
- ✦ Cell Phone.....923339083922 (Pak)
- ✦ Google Scholar Profile.....<https://scholar.google.com/citations?hl=en&authuser=1&user=JGvLa3YAAAAJ>

PROFILE OVERVIEW

- ✦ Experienced candidate 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 QUALIFICATION

- ✦ **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)

ACADEMIC APPOINTMENTS AND WORK EXPERIENCE

- ✦ **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)

RESEARCH INTERESTS & OVERVIEW

- ✦ Cellular Biology and Molecular Neurobiology
- ✦ Neurodegenerative Disorders and Neurotherapeutics
- ✦ Neuroprotection and Neurorestoration
- ✦ Neuronal Signaling and Synaptic Neuroplasticity
- ✦ Aging and Age-related Neurological Diseases

- ❖ Neuropharmacology and Psychopharmacology
- ❖ Brain Injury-Induced Neurological Complications
- ❖ Oxidative Stress and Antioxidants
- ❖ GABA, Glutamate Receptors and Cell Signaling
- ❖ Stress and Regenerative Biology
- ❖ Cancer Markers and Chemotherapeutics

RESEARCH PUBLICATIONS

- ❖ **20.** 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
- ❖ **19.** Effects of ethyl pyruvate in lipopolysaccharide model of Parkinson's disease, **Journal of Population Therapeutics and Clinical Pharmacology**, **30**(17), 2266–2274. <https://doi.org/10.53555/jptcp.v30i17.2965>
- ❖ **18.** Xanthohumol attenuates lipopolysaccharide-induced depressive like behavior in mice: involvement of NF-κB/Nrf2 signaling pathways. **Neurochemical Research**, 2021 <https://doi.org/10.1007/s11064-021-03396>.
- ❖ **17.** Antidepressant-like effect of ethanol in mice forced swimming test is mediated via inhibition of NMDA/nitric oxide/cGMP signaling pathway. **Alcohol**. 2021 **Alcohol**, 2021 92 (2) [https://DOI: 10.1016/j.alcohol.2021.01.005](https://DOI:10.1016/j.alcohol.2021.01.005) (Co-Author)
- ❖ **16.** 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)
- ❖ **15.** Melatonin Act as an Antidepressant via Attenuation of Neuroinflammation by Targeting Sirt1/Nrf2/HO-1 Signaling. **Front. Mol. Neurosci**. <https://doi.org/10.3389/fnmol.2020.00096>. (Co-Author)
- ❖ **14.** 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)
- ❖ **13.** 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)
- ❖ **12.** 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)
- ❖ **11.** 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.
- ❖ **10.** 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. Epub 2012 Apr 7. (Co-Author)
- ❖ **9.** 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)

- ❖ 8. Neuroprotection with metformin and thymoquinone against ethanol induced apoptotic neurodegeneration in prenatal rat cortical neurons. **BMC Neurosci.** 2012; 19; 13:11. doi: 10.1186/1471-2202-13-11. (Co-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.2011.06.031 Epub 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. Epub 2010 Dec 3. (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

- ❖ MKhan. **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**, filed March 2021.

RESEARCH GRANTS RECEIVED

- ❖ “National Research Program for Universities (NRPU)” by Higher Education Commission (HEC) Pakistan.....(2021-2024)
- ❖ “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.....(2017-2018)
- ❖ Travel Grant from Higher Education Commission (HEC) Pakistan.....(2017-2018)

SELECTED HONOR AND AWARDS

- ❖ “Outstanding Performance Certificate” as a Team member, KMU, Pakista.....(2011-2016)
- ❖ “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)

MENTORING & SUPERVISORY ACTIVITIES

- ❖ 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 many graduate students research

REVIEW ACTIVITIES (MANUSCRIPTS AND THESIS)

- ❖ Life, Bio-medicines, Brain Sciences
- ❖ Molecular Neurobiology
- ❖ British Journal of 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
- ❖ Reviewer of Postgraduate student’s Research thesis

COMMUNITY AND VOLUNTEER ACTIVITIES

- ❖ Worked as a Volunteer during Covid-19 Pandemic.....(2020-2022)
Public Health Reference laboratory (PHRL), Khyber Medical University (KMU), Pakistan
- ❖ Programme Team Member, Quality enhancement Cell (QEC), KMU.....(2011-2016)

ACADEMIC SERVICE & COMMITTEE MEMBERSHIP

- ❖ 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

SCIENTIFIC SOCIETY MEMBERSHIPS

- ❖ American Society for Neuroscience (**SfN**)
- ❖ Forum of European Neuroscience Societies (**FENS**)
- ❖ International Society for Neuroscience (**ISN/APSN**)
- ❖ The Korean Society for Molecular and Cellular Biology (**KSMCB**)

CONFERENCES AND POSTERS PRESENTED

- ❖ **Najeeb Ullah** and Myeong Ok Kim Nicotinamide Protects against Anticancer drug-induced Apoptotic Neurodegeneration in the Developing Rat Brain. 7th **FENS** Forum Amsterdam the Netherlands 2010.
- ❖ **Ullah N.**, Naseer M.I., Yang, B.C., Kim. M.O. Nicotinamide Protects against Anticancer drug-induced Apoptotic Neurodegeneration in the Developing Rat Brain. In 22nd Biennial Meeting of the **ISN/APSN** Joint meeting August 23-28 2009 BEXCO, Busan South Korea.
- ❖ **Najeeb Ullah**, Ikram Ullah, Park Moon Seok, Kim Min Jung, Kim Min Ju, Kim So Eun, Lee Hae Young and Myeong Ok Kim Protectiveness effect of pyruvate against ethanol-induced neurodegeneration in infant rat brain. 21st **KSMCB**, Seoul, South Korea 2009.
- ❖ **Najeeb Ullah**, M. Imran Naseer, Ikram Ullah and KIM Myeong Ok. Ethanol's and Substances Effect on Intracellular Signal Pathways in Early and Late-fetal Rat Neuron is GABA_B siRNA Dependent. In 19th Annual Meeting of the Korean Society for molecular and cellular Biology. Seoul South Korea. 2008-10-18.
- ❖ **Najeeb Ullah**, M. Imran Naseer, Cho Mi Za, Naha Nibedita, LEE Hae Young and KIM Myeong Ok. Ethanol's and Substances Effect on Intracellular Signal Pathways in Early and Late-fetal Rat Neuron is GABA_B siRNA Dependent. In 19th Annual Meeting of the Korean Society for molecular and cellular Biology. Seoul South Korea. 2007-10-18.
- ❖ M. Imran Naseer, **Najeeb Ullah**, Cho Mi Za, LEE Hae Young and KIM Myeong Ok. Protein Kinase A and GABA_B Receptor Activity Modulates by Drugs In Vitro effects in the Prenatal Rat Neurons. In 19th Annual Meeting of the Korean Society for molecular and cellular Biology, Seoul. South Korea 2007-10-18.
- ❖ M. Imran Naseer, **Najeeb Ullah**, Cho Mi Za, LEE Hae Young and KIM Myeong Ok. PTZ and Ethanol Modulates the GABA_B Receptor Cellular Effect on PKA and p-CREB In Vitro Prenatal Rat Cortical and Hippocampal Neurons by siRNA. In 19th Annual Meeting of the Korean Society for molecular and cellular Biology. South Korea Seoul. 2007-10-18.