

Dr. Aisha Farhana

Assistant Professor of Biochemistry and Molecular Biology
Department of Clinical Laboratory Sciences
College of Applied Medical Sciences
Jouf University, KSA

Contact: Email - afarhana@ju.edu.sa

JU website: <http://events.ju.edu.sa/FMPW/AR/Resmue.aspx?id=mannanaisha784>

Google Scholar - https://scholar.google.com/citations?user=BvF8_WQAAAAJ&hl=en

ORCID: <https://orcid.org/0000-0002-4631-2769>

WOS Researcher ID: [AAR-7356-2020](https://orcid.org/0000-0002-4631-2769)

Professional Summary: Dr. Aisha did her Master's degree in Biochemistry from AMU, India and Ph.D from CDFD, India. She further pursued postdoctoral research training at Department of Medicine, UAB, USA. She has been associated with prestigious international organizations as a Research Scientist, which include World Health Organization, Cambridge University, UK and AHRI, SA. Dr. Aisha has been an active member of prestigious organizations including RSB, ASM, Elsevier Research Academy and Biochemistry Society. She has received several national and international awards, which includes research development awards such as Indo-Australian Young Scientist Award, DST Research Award, and fellowships from prestigious international universities such as Oxford University, UK and Boston University, USA. She has served as journal reviewer for many ISI and Scopus indexed journals that include PLoS journals, Nucleic acid Research, Cell host and Microbes and Elsevier journals. Currently, she has four research grants. She joined Jouf University as an Assistant Professor in 2016.

Research interest: Dr. Aisha's research interests span host-pathogen interaction, microbial genomics, disordered proteins and cell signaling, identification and validation of disease biomarkers, assessment and evaluation of microenvironments during disease pathogenesis. Her current research work involves understanding the epigenetic regulatory networks in the pathogenesis of disease.

Recent Publications:

Anti-amyloid aggregating gold nanoparticles: Can they really be translated from bench to bedside for Alzheimer's disease treatment? Shaikh S, Nazam N, Danish Rizvi SM, Hussain T, Farhana A, Choi I. CPPI, 2020. Doi 10.2174/1389203721666200226101930.

Mitochondrial Dysfunction is a Key Player in the Pathogenesis of Autism Spectrum Disorders and Alzheimer's disease. A Farhana and YS Khan. Advances in Research - Springer Nature. 2020

Recent advances in Alzheimer's disease in relation to Cholinesterase inhibitors and NMDA receptor antagonists. N. Nazam, A. Farhana, S.Sheikh. *Advances in Research - Springer Nature*. 2020

Photoreceptor Therapy: Generation of Neurosphere-like Cells from Human Mesenchymal Stem Cells Expressing Erythropoietin. MP Ling, SDS Lee, A Farhana, B Alzahrani, MS Ali. *2020 Sains Malaysiana* 49 (1), 113-119

Contrasting Function of Structured N-Terminal and Unstructured C-Terminal Segments of Mycobacterium tuberculosis PPE37 Protein. Ahmad J*, Farhana A*, Pancsa R, Arora SK, Srinivasan A, Tyagi AK, Babu MM, Ehtesham NZ, Hasnain SE. *MBio*. 2018 Jan 23;9(1). pii: e01712-17. doi: 10.1128/mBio.01712-17. * Joint first author

Biochemistry of lactate dehydrogenase (LDH). A Farhana, SL Lappin. *Statpearls Publishing Inc. USA*. 2020, PMID: 32491468

Computational drug screening against the SARS-CoV-2 Saudi Arabia isolates through a multiple-sequence alignment approach. MP Ling, AE H Koh; A. Farhana; A. Alsrhani; MK Alam; SS Kumar. *SJBS* (2020).