

Aneeqa Noor

Assistant Professor

School of Mechanical & Manufacturing Engineering

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About

Dr. Aneeqa Noor is working as Assistant Professor in the School of Mechanical & Manufacturing Engineering. Dr. Aneeqa Noor has a PhD in Neuroscience. Dr. Aneeqa Noor has published 20 research articles & conference papers having a citation count of 213, carried out 2 projects and filed 0 intellectual property.

Qualifications

PhD in Neuroscience	2016 - 2020
Georg-August Universität Göttingen , Germany	
MS in Neuroscience	2014 - 2016
NUST, Islamabad , Pakistan	
BS in Biotechnology	2011 - 2014
Forman Christian College (A Chartered University) , Pakistan	

Experience

Assistant Professor	2022- Present
School of Mechanical & Manufacturing Engineering	
Assistant Professor	2021 - 2022
School of Mechanical & Manufacturing Engineering	
Visiting Lecturer	2020 - 2021
Department of Biotechnology, Quaid-e-Azam University , Islamabad, Pakistan	
Research assistant	2016 - 2020
Department of Neurology, University Medical Center, Goettingen , Robert Koch Strasse 40, Goettingen, Germany	

Research Projects

National Projects	
Development of self-responsive glucose dependent insulin patch (Insupatch)	2022
Funding Agency: PSF	
Amount: PKR 7,150,000.00	
Status: Approved_inprocess	
International Projects	
Early career grants for the establishment of an independent lab	2022
Funding Agency: International Brain Research Organization	
Amount: PKR 1,160,000.00	
Status: Completed	

Research Articles

Transdermal glucose responsive composite polymeric microneedle patches for personalized diabetes treatment: A novel approach to precision medicine	2025
Aroosa Younis Nadeem Mazhar Ul Islam Shaukat Khan Ebtesam A. Al-Suhaimi Adeeb Shehzad Aneeqa Noor	
Journal of Drug Delivery Science and Technology, Volume 111, Article Number 107161	
Impact Factor: 4.900 Quartile: 1	
DOI: https://doi.org/10.1016/j.jddst.2025.107161	
Pharmacological evaluation of phage-antibiotic synergism against clinical isolates of multi-drug resistant Staphylococcus aureus in a burn-induced infection mouse model	2025

Syed Damin Abbas Hamdani Mustafeez Mujtaba Babar Huma Sajjad Alvina Gul Mudassira Zahid Tausif Ahmed Rajput Aneeqa Noor Madiha Ahmed John J. Dennehy <i>Brazilian Journal of Microbiology</i>, Pages 1-16 Impact Factor: 1.900 Quartile: 4 DOI: 10.1007/s42770-025-01762-2	
Chenodeoxycholic Acid-Mediated neuroprotection via α-synuclein and BDNF Modulation in MPTP-Induced mouse model of Parkinson's disease Mehwish Mehreen Mehak Ali Huraira Tariq Aneeqa Noor Sara Mumtaz Saima Zafar <i>Neuroscience</i>, Volume:573, Pages: 442-450 Impact Factor: 2.9 Quartile: 2 DOI: https://doi.org/10.1016/j.neuroscience.2025.03.050	2025
Genetic assessment of apolipoprotein E polymorphism and PRNP genotypes in rapidly progressive dementias in Pakistan Urwah Rasheed Minahil Khalid Aneeqa Noor Umar Saeed Rizwan Uppal Saima Zafar <i>Prion</i>, Volume 18, Issue 1, Pages 1-7 Impact Factor: 1.900 Quartile: 4 DOI: 10.1080/19336896.2024.2439598	2024
Prevention of Chronic Diabetic Neuropathy and Diabetes-Associated Cognitive Impairment Using Medicinal Herbs (Cassia Angustifolia and Nigella Sativa) Mahum Khan Hibba Riaz Faria Hasan Jatala Aneeqa Noor Sara Mumtaz Saima Zafar <i>The Yale Journal of Biology and Medicine</i>, Volume 97(2), Pages 141-152 Impact Factor: 2.500 Quartile: 2 Citations: 1 DOI: 10.59249/UQLO8012	2024
Therapeutic Potential of Nitrogen-Doped Rutin-Bound Glucose Carbon Dots for Alzheimer's Disease Sana Khan Faria Hasan Jatala Alveena Muti Noor Afza Aneeqa Noor Sara Mumtaz Saima Zafar <i>The Yale Journal of Biology and Medicine</i>, Volume 97(2), Pages 153-164 Impact Factor: 2.500 Quartile: 2 Citations: 4 DOI: 10.59249/EWOI2166	2024
The Role of Tau Proteoforms in Health and Disease Zuha Waheed Jawaria Choudhary Faria Hasan Jatala Fatimah Aneeqa Noor Inga Zerr Saima Zafar <i>Molecular Neurobiology</i>, Pages 1-12 Impact Factor: 5.1 Quartile: 2 Citations: 16 DOI: 10.1007/s12035-023-03387-8	2023
SWATH Mass Spectrometry-Based CSF Proteome Profile of GBA-Linked Parkinson's Disease Patients Saima Zafar Aneeqa Noor Neelam Younas Mohsin Shafiq Matthias Schmitz Kathrin Brockmann Isabel Wurster Thomas Gasser Inga Zerr <i>International Journal of Molecular Sciences</i>, Volume 23(22), Article Number 14166 Impact Factor: 6.208 Quartile: 1 Citations: 4 DOI: https://doi.org/10.3390/ijms232214166	2022
Molecular Profiles of Amyloid-β Proteoforms in Typical and Rapidly Progressive Alzheimer's Disease Aneeqa Noor Saima Zafar Mohsin Shafiq Neelam Younas Anna Siegert Florian A Mann Sebastian Kruss Mathias Schmitz Hassan Dihazi Isidre Ferrer Inga Zerr <i>Molecular Neurobiology</i>, Volume 59, Pages 17-34 Impact Factor: 5.686 Quartile: 2 Citations: 13 DOI: 10.1007/s12035-021-02566-9	2022
Prion protein oligomers cause neuronal cytoskeletal damage in rapidly progressive Alzheimer's disease Mohsin Shafiq Saima Zafar Neelam Younas Aneeqa Noor Berta Puig Hermann Clemens Altmeyen Matthias Schmitz Jakob Matschke Isidre Ferrer Markus Glatzel Inga Zerr <i>Molecular Neurodegeneration</i>, Volume 16, Issue 1, Article Number: 11 Impact Factor: 18.897 Quartile: 1 Citations: 19 DOI: 10.1186/s13024-021-00422-x	2021
Neurodegenerative Proteinopathies in the Proteoform Spectrum -Tools and Challenges Saima Zafar Aneeqa Noor Inga Zerr <i>International Journal of Molecular Sciences</i>, Volume 22(3), Article Number 1085 Impact Factor: 4.556 Quartile: 1 Citations: 13 DOI: https://doi.org/10.3390/ijms22031085	2021

SFPQ and Tau: critical factors contributing to rapid progression of Alzheimer's disease 2020
Aneeqa Noor Inga Zerr Neelam Younas Saima Zafar Mohsin Shafq Anna Siegert Amandeep Singh Arora Alexey Galkin Ayesha Zafar Mathias Schmitz Christine Stadelmann-Nessler Olivier Andréoletti Isidre Ferrer
Acta Neuropathologica , Pages 1-23
Impact Factor: 17.088 | **Quartile:** 1 | **Citations:** 55
DOI: <https://doi.org/10.1007/s00401-020-02178-y>

Alterations in adult hippocampal neurogenesis, aberrant protein s-nitrosylation, and associated spatial memory loss in streptozotocin-induced diabetes mellitus type 2 mice 2017
Aneeqa Noor Saadia Zahid
Iranian Journal of Basic Medical Sciences, Volume: 20 Issue: 10 Pages: 1159-1165
Impact Factor: 1.514 | **Quartile:** 4 | **Citations:** 22
DOI: 10.22038/IJBMS.2017.9366

Book Chapters

Natural Product Formulations to Overcome Poor ADMET Properties 2023
Ahsan Ibrahim Syed Daman Abbas Hamdani Tausif Ahmed Rajput Aneeqa Noor Alvina Gul Mustafeez Mujtaba Babar Hunaiza Fatima
In: *Book on Drug Discovery and Design using Natural Products*, Chapter 15, Pages 435-452
Citations: 1
DOI: https://doi.org/10.1007/978-3-031-35205-8_15

Therapies for Prion Diseases 2019
Saima Zafar Aneeqa Noor INGA ZERR
In: *Handbook of Clinical Neurology* , Chapter 4, Volume 165, Pages 47-58
Citations: 8
DOI: <https://doi.org/10.1016/B978-0-444-64012-3.00004-6>

Animal models: Bridging cross-species variation through animal biotechnology 2019
Nayaab Laaldin Sana Rasul Baloch Aneeqa Noor Aiman Aziz Alvina Gul Tausif Ahmed Rajput Mustafeez Mujtaba Babar
In: *Book on Genomics and Biotechnological Advances in Veterinary, Poultry, and Fisheries*, Chapter 8, Pages 183-207
Citations: 1
DOI: 10.1016/B978-0-12-816352-8.00008-4

Omics approaches in forensic biotechnology: Looking for ancestry to offence 2018
Syed B. Nizami Sayyada Z. Hassan Kazmi Fatima Abid Mustafeez Mujtaba Babar Aneeqa Noor Najam Us Sahar Sadaf Zaidi Humna Hasan Mohsin Ali Alvina Gul Sami U. Khan
In: *Book on Omics Technologies and Bio-engineering: Towards Improving Quality of Life*, Volume 1, Pages 111-129
Citations: 4
DOI: 10.1016/B978-0-12-804659-3.00006-3

Transport and Metabolism of Nitrogen in Legume Nodules Under Phosphorus Deficiency 2017
Mariam Fatima Syed Bilal Nizami Mustafeez Mujtaba Babar Najam-us-Sahar Sadaf Zaidi Zeeshan Ali Hira Siddiqui Fatima Abid Aneeqa Noor Ayesha Nazir Khan Sarah Faisal Alvina Gul
In: *Book on Legume Nitrogen Fixation in Soils with Low Phosphorus Availability*, Chapter 6, Pages 111-134
Citations: 2
DOI: https://doi.org/10.1007/978-3-319-55729-8_6

Editorial Activities

Drug Design, Development and Therapy 2025
Reviewed Papers for Journals
Impact Factor: 5.1

Scientific Reports 2025
Reviewed Papers for Journals
Impact Factor: 3.9

Heliyon 2025
Reviewed Papers for Journals
Impact Factor: 3.6

IBRO Neuroscience Reports 2025
Reviewed Papers for Journals
Impact Factor: 2.8

IBRO Neuroscience Reports Reviewed Papers for Journals Impact Factor: 2.8	2025
Molecular Neurobiology Reviewed Papers for Journals Impact Factor: 4.3	2025
Current Alzheimer Research Reviewed Papers for Journals Impact Factor: 1.8	2025
Scientific Reports Reviewed Papers for Journals Impact Factor: 3.8	2025
IBRO Neuroscience Reports Reviewed Papers for Journals Impact Factor: 2.0	2025
IBRO Neuroscience Reports Reviewed Papers for Journals Impact Factor: 2.0	2025
Mechanisms of Ageing and Development Reviewed Papers for Journals Impact Factor: 5.3	2025
Current Alzheimer Research Reviewed Papers for Journals Impact Factor: 1.8	2025
Neurochemistry International Reviewed Papers for Journals Impact Factor: 4.4	2025
Heliyon Reviewed Papers for Journals Impact Factor: 3.4	2025
IBRO Neuroscience Reports Reviewed Papers for Journals Impact Factor: 2.0	2025
Neurodegenerative diseases Reviewed Papers for Journals Impact Factor: 1.9	2025
Current Alzheimer Research Reviewed Papers for Journals Impact Factor: 1.8	2025
IBRO Neuroscience Reports Reviewed Papers for Journals Impact Factor: 2.0	2025
IBRO Neuroscience Reports Reviewed Papers for Journals Impact Factor: 2.0	2025
IBRO Neuroscience Reports Reviewed Papers for Journals Impact Factor: 2.0	2025
Neurocase Reviewed Papers for Journals Impact Factor: 0.7	2025
Behavioural Brain Research Reviewed Papers for Journals Impact Factor: 2.6	2025

ACS Pharmacology & Translational Science Reviewed Papers for Journals Impact Factor: 5.1	2025
Heliyon Reviewed Papers for Journals Impact Factor: 3.4	2025
Current Aging Science Reviewed Papers for Journals Impact Factor: Nil	2025
Current Alzheimer Research Reviewed Papers for Journals Impact Factor: 1.8	2025
Current Alzheimer Research Reviewed Papers for Journals Impact Factor: 1.8	2024
Tissue and Cell Reviewed Papers for Journals Impact Factor: 2.7	2024
Molecular Neurobiology Reviewed Papers for Journals Impact Factor: 4.6	2024
Current Alzheimer Research Reviewed Papers for Journals Impact Factor: 1.8	2024
Current Alzheimer Research Reviewed Papers for Journals Impact Factor: 1.8	2024
Neurochemical Research Reviewed Papers for Journals Impact Factor: 3.7	2024
Journal of Clinical Medicine Research Reviewed Papers for Journals Impact Factor: 1.6	2024
Current Alzheimer Research Reviewed Papers for Journals Impact Factor: 1.8	2024
Iranian Journal of Basic Medical Sciences Reviewed Papers for Journals Impact Factor: 2.1	2024
Current Alzheimer Research Reviewed Papers for Journals Impact Factor: 1.8	2024

Trainings

Invitro assays in Biomedical research: Module Invitro assays in Microbiology Partner: nil Duration: 26-Jul-2023 to 06-Sep-2023	2023
Training Workshop on Laboratory Techniques in Biomedical Sciences. Partner: NA Duration: 24-Jul-2023 to 30-Aug-2023	2023