

Ismat Jahan Anee

Email: ismatjahan005@gmail.com

Phone: +8801757730171

Website: ismat-jahan-anee.web.app

Research Interest

Molecular Biology, Cell Biology, Aging, Host-Pathogen Interactions, Infectious Disease, Therapeutic Drugs, Population Genetics.

Education

Masters in Genetics & Molecular Biology
(2018-2019)

University of Dhaka

CGPA 4.00 out of 4.00, Position: First

Bachelors in Zoology
(2015-2018)

University of Dhaka

CGPA 3.93 out of 4.00, Position: First

Test Score

TOEFL iBT Score: 107 (R28 L27 S24 W28)

Publications

2022

“The effect of RAD7 gene’s null mutation on single-cell aging”. **Ismat Jahan Anee**, Reza Md Shahjahan, Rowshan Ara Begum, Mohammad Shamimul Alam, Ashfaul Muid Khandaker. Microbial Bioactives. [\[Link\]](#)

2021

“The role of probiotics on animal health and nutrition.” The journal of Basic and Applied Zoology, SpringerNature. **Anee, I.J.**, Alam, S., Begum, R.A. et al. The role of probiotics on animal health and nutrition. JoBAZ 82, 52 (2021). [\[Link\]](#)

Conference Paper

2022

“Analyzing the Effect of PMS1 Gene Deletion Mutation in Single Cell Aging.” International Conference on Environmental Protection for Sustainable Development (ICEPSD-2022); Forest and Environment Affairs Sub-Committee, Bangladesh Awami League. [\[Link\]](#)

2021

“The role of DNA repair genes on cellular aging.” 22nd National Conference & AGM 2020. Zoological Society of Bangladesh & Department of Zoology, University of Dhaka. [\[Link\]](#)

Work Experience

Research Fellow, Bangladesh Council of Scientific and Industrial Research

2022

Received Professor Nurul Afsar Khan Post Graduate Fellowship. Working on Project “Microplastics in Fish Feed: An Alarming Issue in Aquaculture Sector of Bangladesh.”

Short Term Temporary (STT) at The World Bank

November 2021 – Present

Natural Capital Valuation and Spatial Planning for Southwest Region of Bangladesh; Bangladesh 2022 Country Environmental Analysis; Institutional Analysis; Gender dimensions and identifying business case for tackling Abandoned, Lost and Discarded Fishing Nets (ALDFN) and discarded plastics in coastal areas in Bangladesh

Research Assistant, University of Dhaka

August 2021 – April 2022

Under Project “Biological survey, genetic analysis, current dose assessment and genotoxicity evaluation of some candidate pesticides to rapidly control dengue/chikungunya vectors (*Aedes* spp.) in Bangladesh.”

Research Experience

Worked with Dr. Ashfaul Muid Khandaker on “**The effect of RAD7 gene’s null mutation on single-cell aging**” 2022 (Published on **Microbial Bioactives**) [[Link](#)]

Worked with Dr. Nahid Sultana on “**Microplastics in Fish Feed: An Alarming Issue in Aquaculture Sector of Bangladesh.**” 2022 (Ongoing)

Worked with Dr. Ashfaul Muid Khandaker on “**The role of probiotics on animal health and nutrition**” 2021 (Published on **SpringerNature**) [[Link](#)]

Master’s Thesis Work with Dr. Ashfaul Muid Khandaker “**The Role of DNA Repair Genes on Cellular Aging**” 2021 (Completed) [[Link](#)]

Undergraduate Field Work with Dr. Rowshan Ara Begum & Dr. Gawsia Wahidunnessa Chowdhury on “**A Report on Water Analysis and Parameters of the Sundarban Rivers**” 2018 (Completed) [[Link](#)]

Awards

Award	Awarded By	Year
Professor Nurul Afsar Postgraduate Fellowship	Bangladesh Council of Scientific and Industrial Research (BCSIR)	2022
Majumder Abdul Muttalib & Habiba Begum Trust Fund Scholarship	Majumder Abdul Muttalib & Habiba Begum Trust Fund, University of Dhaka	2022
Fourth position, Urban Health Innovation Challenge 2021: Healthy Safe and Inclusive Cities	BRAC JPGSPH, BRAC University, World Vision	2021
M.S. Thesis Award	National Science and Technology Fellowship	2020
Regional Champion, Graduate and Postgraduate group, Zoology Olympiad	Zoological Society of Bangladesh	2019
Dean’s Award for Brilliant Result in B. Sc. Honors	Dhaka University	2018
Honors Scholarship (Faculty of Biological Sciences)	Education Board Bangladesh	2018
Razia Memorial Trust Fund Scholarship	Razia Memorial Trust Fund, University of Dhaka	2018
Asefa Huque Memorial Trust Fund Scholarship	Asefa Huque Memorial Trust Fund, University of Dhaka	2017

Trainings

R for Data Analysis (Institute of Statistical Research and Training (ISRT), University of Dhaka); **Training Course on SPSS for Professionals & Students** (Department of Statistics, University of Dhaka); **Training on bird Ringing and Sample Collection Under Project “Investigation of Wild to Domestic Bird Avian Influenza Transmission: A Multiyear Monitoring and Surveillance Program, IUCN”**; **Spanish Junior Course, Level A** (Institute of Modern Languages, University of Dhaka)

Volunteering Experience

Team Member at Everyday Stories (BRAC JPGSPH, BLAST & CREA, Bangladesh); **Volunteer Field Assistant** (Faculty of Environment and Natural Resources, University of Freiburg, Germany); **Academic Team Member** (Society for the Popularization of Science, Bangladesh)

Reference

Dr. Ashfaul Muid Khandaker (Assistant Professor, Dept. of Zoology, University of Dhaka)

Email: muid.zoo@du.ac.bd

Profile: https://www.du.ac.bd/faculty/faculty_details/ZOO/2282

Dr. Rowshan Ara Begum (Professor, Dept. of Zoology, University of Dhaka)

Email: rowshanbegum@du.ac.bd

Profile: https://du.ac.bd/body/faculty_details/ZOO/1738

Dr. Mohammad Riazul Islam (Professor, Dept. of Biochemistry and Molecular Biology, University of Dhaka)

Email: mriazulislam@du.ac.bd

Profile: https://du.ac.bd/body/faculty_details/BCH/1531