

PERSONAL INFORMATION

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NOOR UL AIN

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WORK EXPERIENCE

Dates (from – to)

Occupation or position held

Name and address of employer

Research Project

Feb-2025 to Aug 2025

Research Associate

Aga Khan University, Institute For Educational Development (AKU-IED), Pakistan

Community Mobilisation and WASH education under Rooftop Rainwater Harvesting in Murree District in Collaboration with Urban Unit- Funded by Government of Punjab

Sep-2024 to Jan-2024

Research Associate

Aga Khan University, Institute For Educational Development (AKU-IED), Pakistan

Development of Educational Resource for Disaster Risk Reduction (DRR) under Tarkeeb Grant

Dates (from – to)

Occupation or position held

Name and address of employer

Research Project

Dates (from – to)

Occupation or position held

Name and address of employer

June-2024 to Aug-2024

Intern- Climate Change

Aga Khan University, Institute For Educational Development

Create and design booklet for climate change education

Dates (from – to)

Occupation or position held

Name and address of employer

17-Jun-2016 to 31-July-2016

Intern (Solid Waste Management Project)

Karakorum Area Development Organization, Gilgit, Pakistan

EDUCATION AND TRAINING

Dates (from– to)

Title of qualification awarded

Name of organization providing education and training

Principal subjects/occupational skills covered

Aug-2022

Lower Saxony International Summer Academy (LISA) in Immunology

Hannover Biomedical Research School (HBRS), Germany

- Inflammation, Regeneration and Immunity
- Basics of Single-Cell RNA Sequencing Analysis

Dates (from– to)

Title of qualification awarded

Name of organization providing education and training

Master Thesis Title

Jun-2019 to Sep-2021

Master of Science in Applied Biological Sciences: Environmental Health

Chulabhorn Graduate Institute, Bangkok Thailand

Effects of Ultrafine Particles on DNA Methylation and 1,N6-Etheno-2'-deoxy-adenosine DNA Adduct in Umbilical Cord-derived Mesenchymal Stem Cells

- Human Stem Cell Culture
- Determination of the Cytotoxicity using MTT and WST-1 assay
- DNA Methylation Analysis using Bisulfite Pyrosequencing
- Quantification of Inflammatory Genes (IL-6, IL-8) using qRT-PCR
- Measurement of 5'methyl Deoxycytidine Level using LC-MS/MS
- Immunocytochemical Detection of DNA Adduct
- Sample Analysis with Nanodrop and Gel Electrophoresis
- Statistical Data Analysis using GraphPad Prism

Skills

Sep-2013 to July-2017

Bachelor of Science in Environmental Sciences

Fatima Jinnah Women University, Rawalpindi, Pakistan

Dates (from– to)

Title of qualification awarded

Name of organization providing education and training

PUBLICATIONS

(Booklet) Noor Ul Ain, Parveen, F. , Rabbani, N. , Shaheen, A. (2024). *Towards an engaging and integrated climate change pedagogy*, p. 98. **Available at:** <https://ecommons.aku.edu/books/174>

(Journal) Ain, N. U., & Qamar, S. U. R. (2021). *Particulate matter-induced cardiovascular dysfunction: a mechanistic insight*. Cardiovascular Toxicology, 21(7), 505-516.

CONFERENCES

Effects of ultrafine particles on DNA methylation and DNA adduct in umbilical cord-derived mesenchymal stem cells. **Ain, N. U.**, Navasumrit P, Intarasunanont P, Waraprasit S, Panlop V, Ruchirawat M. Proceedings of the Annual Conference of the Center of Excellence on Environmental Health and Toxicology (EHT), Thailand. 2021

POSTER PRESENTATION

Effects of ultrafine particles on DNA methylation and DNA adduct in umbilical cord-derived mesenchymal stem cells. **Ain, N. U.**, Navasumrit P, Intarasunanont P, Waraprasit S, Panlop V, Ruchirawat M., LISA Poster Presentations, TWINCORE Center for Clinical and Experimental Research, Germany. 2022.

PROFESSIONAL TRAINING

- Computer Proficiency License, Aug 2018 to Feb 2019 (Virtual University of Pakistan)

MOOCS AND WORKSHOPS

- East Asia Regional Training Workshop on Monitoring and Assessment of Microplastics in Marine Environments, 19 Dec 2022 (City University of Hong Kong)
- Fundamentals of Immunology: Innate Immunity and B-Cell Function (Rice University via Coursera)
- Data Analysis with R Programming (Google via Coursera)
- Introductory Human Physiology (Duke University via Coursera)
- Epidemiology: The Basic Science of Public Health (The University of North Carolina at Chapel Hill via Coursera)
- Essentials of Global Health (Yale University via Coursera)

SCHOLARSHIPS AND AWARDS

Funding from DAAD (German Academic Exchange Service) to attend Lower Saxony International Summer Academy (LISA) in Immunology, 2022 at the Hannover Biomedical Research School, Germany.

Chulabhorn Graduate Institute Post-Graduate Scholarship for Master's Degree, Supported by The Department of Thailand International Cooperation Agency (TICA) (2019).

PERSONAL SKILLS AND COMPETENCIES

LANGUAGES

URDU (PROFICIENT), ENGLISH (C1 LEVEL)