

AYESHA TAJAMMUL

Mehran University of Engineering and Technology, Jamshoro, U.S.-Pakistan Centers for Advanced Studies in Water (USPCAS-W), WaSH Program | ayesha.uspcasw@faculty.muet.edu.pk;

CURRICULUM VITAE

EDUCATION

Ph.D. in Molecular Medicine

2015

Dr. Panjwani Center for Molecular Medicine and Drug Research (PCMD), International Center for Chemical and Biological Sciences (ICCBS), University of Karachi

RECENT EMPLOYMENT AND RELEVANT EXPERIENCE

Mehran University of Engineering and Technology, Jamshoro, U.S.-Pakistan Centers for Advanced Studies in Water (USPCAS-W), WaSH Program Sept. 2021- todate

Assistant Professor (adjunct faculty)

Mehran University of Engineering and Technology, Jamshoro, U.S.-Pakistan Centers for Advanced Studies in Water (USPCAS-W), WaSH Program 2018 – Sept. 2021

Assistant Professor

Dadabhoy Institute of Higher Education Karachi, Department of Biosciences, Sep-Dec, 2017
Visiting Instructor (Faculty)

SMI University Karachi, Department of Environmental Sciences Feb 2016 – Feb 2017
Assistant Professor

Interim Placement of Fresh PhDs Program, Higher Education Commission, Islamabad, Pakistan
Assistant Professor – SMI University, Department of Environmental Sciences Feb 2015 – Feb 2016

Dr. Panjwani Center for Molecular Medicine and Drug Research (PCMD), International Center for Chemical and Biological Sciences (ICCBS), University of Karachi
Junior Research Fellow 2009 – 2014

PUBLICATIONS

Youdhestar., Mahar FK., Das G., **Tajammul A.**, Ahmed F., Khatri M., Khan S, & Khatri Z., “Fabrication of Ceftriaxone-Loaded Cellulose Acetate and Polyvinyl Alcohol Nanofibers and Their Antibacterial Evaluation” Antibiotics 2022, 11(3), 352; <https://doi.org/10.3390/antibiotics11030352>

Jamal R., Mubarak S., Sahulka SQ., JA Kori., **Tajammul A.**, Ahmed J, Mahar RB., Olsen MS., Goel R., Weidhaas J., “Informing water distribution line rehabilitation through quantitative microbial risk assessment” Science of the Total Environment 2020; <https://doi.org/10.1016/j.scitotenv.2020.140021>

Ahmed W., Yasmin A., **Tajammul A.**, Channa N., Ahmed J., “Effects of Selected Pharmaceuticals on Freshwater Algal Biofilms in Different Organic Loads” Mehran University Research Journal of Engineering and Technology 2020; Vol. 39, No.3, 000 - 000: DOI: 10.22581/muet1982.2003.xx

Kalhor, J, Memon SA., Tajammul A., “Multi-functional finishing of cotton fabric with antibacterial property by sol-gel coating” International Journal of Modern Research in Engineering & Management 2020; Volum 3(Issue 2): Pages 11-18

Imran, A, Ali S., Noman A., and **Tajammul A.**, “Rural-Urban Migration in Asian Metropolitan Cities and Its Impact on Socio-Economic Development” International Journals of Informative and Futuristic Research 2018; Volum 5(Issue 10): Pages 9327-9341

Tajammul, A., Kabir N., Ahmed M., and Sufyan A., “Effect of soft drinks on in-vitro kidney stone (Calcium oxalate monohydrate)” International Journal of Pharmacognosy 2014; Volum 1(issue 6): Pages 399-403: DOI:10.13040/IJPSR.0975-8232.1 (6). 399-403

Tajammul, A., Kabir N., Ahmed M., and Sufyan A., “Effect of Punica granatum and Syzygium cumini on body weights in ethylene glycol-induced kidney stone rats” Vedic Research International Phytomedicine 2015; Volume 3 (Issue 1): Pages 5-7: DOI: <http://dx.doi.org/10.14259%2Fpm.v3i1.153>

PAST RESEARCH SUPPORT

Bill & Melinda Gates Foundation Grand Challenges Explorations

S. Typhi Survival and Gene Acquisition in Biofilm Communities

Role: lead Principal Investigator

2019 to 2021

Innovation & Entrepreneurship Center Mehran University of Engineering & Technology. (IEC-MUET) RINU, IEC- MUET

Herbal tea beg: the green technology to purify water

Role: Principal Investigator

August 2019

National Research Program for Universities (NRUP-HEC-2016)

Identification, isolation, and remediation of *Propionibacterium acne* from human integumentary

Role: Principal Investigator

2016

HONORS AND AWARDS

Date Received	List/Description
18 May – 14 August 2019	Water Entrepreneur (Faculty) summer exchange program in the University of Utah, USA, funded by USAID
May 2019	Best Health Solution award for entrepreneurial Idea (Awarded by Exon IBA, Karachi)
January 1 – March 31, 2016	Served as in-charged chairperson for Department of Environmental Sciences, SMI University, Karachi

MEMBERSHIPS

American Society for Microbiology