Hira Amjad

Assistant Professor

Pakistan Navy Engineering College

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About

Dr. Hira Amjad is working as Assistant Professor in the Pakistan Navy Engineering College. Dr. Hira Amjad has a PhD in Drinking Water Treatment. Dr. Hira Amjad has published 13 research articles & conference papers having a citation count of 122, carried out 2 projects and filed 0 intellectual property.

Qualifications

PhD in Drinking Water Treatment 2010 - 2016
NUST, Islamabad , Pakistan

MS in Drinking Water Monitoring 2007 - 2009
NUST, Islamabad , Pakistan

BSc in Entamology 2005 - 2007
University of the Punjab , Pakistan

Experience

Assistant Professor 2024- Present
Pakistan Navy Engineering College

Assistant Professor 2024 - 2024
Institute of Environmental Sciences & Engineering

Assistant Professor 2019 - 2024
Institute of Environmental Sciences & Engineering

Assistant Professor/KPT Chair 2018 - 2019
NCMPR, Bahria University, Karachi Campus , 13 National Stadium Rd, Karsaz Faisal Cantonment, Karachi

Assistant Professor 2016 - 2018
Barrett Hodgson University , Salim Habib Campus, NC-24, Deh Dih¿ Korangi Creek, Karachi, Karachi City, Sindh 74900

Awards

NA

Professional Memberships

NA

Research Projects

National Projects

Assessing the Removal Efficiency of Microplastics from Drinking Water Using Electrocoagulation 2024
Funding Agency: Pakistan Engineering Council
Amount: PKR 100,000.00
Status: Approved_inprocess

Monitoring of Groundwater Pollution Status in On-Site Sanitation (OSS) Facilities Served Areas of Islamabad 2021
Funding Agency: National Cleaner Production Centre (NCPC)
Amount: PKR 149,500.00
Status: Completed

International Projects

Research Articles

Investigating the influence of tank material and residual chlorine on the proliferation of bacterial biofilm growth in the drinking water storage systems 2025

Aiza Javed Hira Amjad Imran Hashmi Waheed Miran

Journal of Water Sanitation and Hygiene for Development, Volume:15, Issue:4, Pages 305-321

Impact Factor: 1.4 | **Quartile:** 4 | **Citations:** 1

DOI: https://doi.org/10.2166/washdev.2025.285

Highly efficient phosphate extraction from water using bio-composites of nano zero valent iron supported on orange peel powder (nZVI@OPP): performance evaluation and mechanistic insights 2025

Fahad Nadeem Muhammad Ali Inam Rashid Iftikhar Safiullah Gill Hira Amjad

Environmental Science and Pollution Research, Volume 32, Pages 9809-9825

Impact Factor: N/A

DOI: https://doi.org/10.1007/s11356-025-36311-9

Enhanced hexavalent chromium (VI) removal from water using nano zero valent iron modified orange peel powder biochar 2025

Safiullah Gill Muhammad Ali Inam Rashid Iftikhar Fahad Nadeem Hira Amjad Zubaah Khalid

International Journal of Environmental Science and Technology, Pages 1-14

Impact Factor: 3.000 | **Quartile:** 2

DOI: https://doi.org/10.1007/s13762-025-06381-w

Tracking Microplastics in the Air: Cutting-edge Methods for Indoor and Outdoor Environments 2024

Khadija Sharaf Din Muhammad Faheem Khokhar Hira Amjad

Aerosol and Air Quality Research, Volume: 24, Issue: 12, Pages:12

Impact Factor: 2.5 | **Quartile:** 3

DOI: https://doi.org/10.4209/aaqr.240073

Highly efficient adsorptive removal of phosphate using novel perovskite lanthanum ferrite/graphene oxide (LaFeO3-GO) hybrids from water 2024

Jawad Rauf Muhammad Ali Inam Rashid Iftikhar Hira Amjad Deedar Nabi

Journal of Water Process Engineering, Volume 67 , Article number 106158

Impact Factor: 6.300 | **Quartile:** 1 | **Citations:** 2

DOI: https://doi.org/10.1016/j.jwpe.2024.106158

Performance Evaluation of UF Membranes Derived from Recycled RO Membrane, a Step towards Circular Economy in Desalination 2023

Zia ur Rehman Hira Amjad Sher Jamal Khan Maria Yasmeen Aftab Ahmad Khan Noman Khalid Khanzada

Membranes , Volume 13, Issue 7, Article Number 628

Impact Factor: 4.2 | **Quartile:** 2 | **Citations:** 5

DOI: 10.3390/membranes13070628

Drinking water quality monitoring of centralized water storage reservoirs in various zones of the National University in semi-arid region of Pakistan 2022

Aiza Javed Hira Amjad Imran Hashmi

NUST Journal of Engineering Science (NJES), Volume 15, No. 2, Pages 44-52

Impact Factor: 0

DOI: https://doi.org/10.24949/njes.v15i2.721

Fractal structure and permeability of membrane cake layers: Effect of coagulation?flocculation and settling as pretreatment steps 2015

Hira Amjad Zahiruddin Khan Volodymyr V. Tarabara

Separation and Purification Technology, Volume 143, Pages 40-51

Impact Factor: 3.299 | **Quartile:** 1 | **Citations:** 44

DOI: 10.1016/j.seppur.2015.01.020

Cancer and non-cancer risk assessment of trihalomethanes in urban drinking water supplies of Pakistan 2013

Hira Amjad Imran Hashmi Muhammad Saif Ur Rehman M. Ali Awan Sajeela Ghaffar Zahiruddin Khan

Ecotoxicology and Environmental Safety, Volume 91, Pages 25-31

Impact Factor: 2.482 | **Quartile:** 2 | **Citations:** 70

DOI: 10.1016/j.ecoenv.2013.01.008

Conference Proceedings

The invisible pollutant in water: Nanoplastics in seafood 2024

Dr. Yasmin Zameer Ahmed Dr. Li Mengqi Dr. YongXin Song Dr. Hira Amjad Mariam Ali

7th International Conference on Maritime Technology and Engineering (MARTECH 2024), res.country(183,)

Citations: N/A

DOI: 10.1201/9781003508779-56

Characterization of biofilms formed within the overhead and underground water storage tanks of a Residential University 2022

Dr. Hira Amjad

International Conference on Recent Trends in Environmental Sustainability, res.country(177,)

Citations: N/A

DOI: NA

Effect of mixing conditions and floc characteristics on filtration efficiency in drinking water treatment system 2022

Dr. Hira Amjad

International Conference on Recent Trends in Environmental Sustainability, res.country(177,)

Citations: N/A

DOI: NA

Design and Modelling of Water Filtration Assembly Incorporating Graphene Embedded Membrane 2022

Hira Amjad Farhan Rafique Shah Atif Ali Mohib Ullah Satti Muhammad Usman

6th International Conference on Energy, Environment, and Sustainable Development 2022 (EESD2022), res.country(177,)

Citations: N/A

DOI: 10.22581/muet1982

Editorial Activities

Separation and Purification Technology 2023

Reviewed Papers for Journals

Impact Factor: 8.6

Separation and Purification Technology 2022

Reviewed Papers for Journals

Impact Factor: 7.312

2021

Reviewed Papers for Journals

Impact Factor: 1.75

2020

Reviewed Papers for Journals

Impact Factor: 1.75