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 [ResearchGate: https://www.researchgate.net/profile/Waheed-Khokhar-2](https://www.researchgate.net/profile/Waheed-Khokhar-2)



EDUCATION

Master of Science in Environmental Engineering **2018-2020**
U.S. Pakistan Centre for Advanced Studies in Water (USPCASW), Mehran University of
Engineering and Technology, Jamshoro **CGPA: 3.89/4.00**
Thesis: Removal of Chemical Oxygen Demand and Color from Sugarcane Distillery Effluent using
Hybrid Electrodes in the Electrocoagulation Process

Bachelor in Chemical Engineering **2014-2018**
Quaid-e-Awam University of Engineering, Science, and Technology, Nawabshah
CGPA: 3.78/4.00
Thesis: Recovery of Zinc from Electric Arc Furnace Dust through Hydrometallurgical Process

WORKING EXPERIENCE

Research Assistant **March 2018-June 2021**

- Worked in Water & Wastewater Quality Lab and Pilot Scale Lab
- Experience in UV Double beam spectrophotometer, ICPMS, HPIC, HPLC, and TOC analyzer
- Experience in Electrocoagulation, Adsorption, Nanoparticles
- Hands-on experience in different software, including Origin, Endnote, Inkscape, Microsoft Office, HEC-HMS, and Statistical DownScaling Model (SDSM)

PUBLICATIONS

1. **Waheed Ali Khokhar**, Muhammad Rizwan and Naveed Ahmed. "Treatment of Anaerobically Digested Distillery Spent Wash Using Electrocoagulation with Al-SS-Al Electrode Configuration". *Water, Air, & Soil Pollution*. 234, no. 2 (2023): 125. **Impact Factor = 2.9**
<https://doi.org/10.1007/s11270-023-06091-4>
2. Tamt ul Nisa, **Waheed Ali Khokhar**, Uzma Imran, Shakir Ali Khokhar, and Soomro Nayab. "Electrochemical treatment of wastewater containing urea-formaldehyde and melamine-formaldehyde." *Chemosphere* (2023): 139587. **Impact Factor = 8.8**
<https://doi.org/10.1016/j.chemosphere.2023.139587>
3. Abdul Sami Channa, Saleem Raza Samo, Kishan Chand Mukwana, **Waheed Ali Khokhar**. "Production of Ethanol from Apple Peels using Acid Hydrolysis and Fermentation." *Quaid-E-Awam University Research Journal of Engineering, Science & Technology, Nawabshah*. **Accepted**

4. Khan, Qandeel, Uzma Imran, Jeffrey L. Ullman, and **Waheed Ali Khokhar**. "Turbidity removal through the application of powdered azadirachta indica (neem) seeds." *Mehran University Research Journal of Engineering and Technology*. 42, no. 1 (2023): 1-8. **Impact Factor = 0.6** <https://doi.org/10.22581/muet1982.2301.01>
5. Mastoi, Samreen Taj, Abdul Sami Channa, Khan Muhammad Qureshi, and **Waheed Ali Khokhar**. "Assessment of Water Quality and Quantity of Surface and Subsurface Drainage System in the Command Area of Bareji Distributary Mirpurkhas, Sindh, Pakistan." *Quaid-E-Awam University Research Journal of Engineering, Science & Technology, Nawabshah*. 20, no. 01 (2022): 127-137. <https://doi.org/10.52584/QRJ.2001.16>
6. Imran, Uzma, Arjumand Zaidi, Rasool Bux Mahar, and **Waheed Ali Khokhar**. "Assessment of the lake water quality using Landsat 8 OLI imagery: a case study of Manchar Lake, Pakistan." *Arabian Journal of Geosciences* 15, no. 11 (2022): 1-19. **Impact Factor = 1.827** <https://doi.org/10.1007/s12517-022-10372-3>
7. Shaikh, Kaleemullah, Uzma Imran, Abid Khan, **Waheed Ali Khokhar**, and Hussain Bakhsh. "Health risk assessment of emissions from brick kilns in Tando Hyder, Sindh, Pakistan using the AERMOD dispersion model." *SN Applied Sciences* 2, no. 7 (2020): 1-11. **Impact Factor = 2.6** <https://doi.org/10.1007/s42452-020-3089-1>

LANGUAGES

	Speaking	Writing	Reading	Listening
English	Good	Good	Good	Good
Chinese	Beginner	Beginner	Beginner	Beginner
Sindhi	Excellent	Excellent	Excellent	Excellent
Urdu	Excellent	Excellent	Excellent	Excellent
Siraiki	Excellent	Excellent	Excellent	Excellent

AWARDS/ACHIEVEMENT

- Award of Rs. 600000 by RINU Sindh 2nd Cohort Project, IEC MUET, Jamshoro, 2019 for Implementation of my Entrepreneur Idea.
- Selected in Top 10 Entrepreneur Ideas of Pakistan in Social Innovation Challenges organized by Oxfam Pakistan, 2019.
- 1st Position in Project Exhibition at 1st Engineering, Science & Technology Enhancement Conference & Exhibition, 2016, held at QUEST, Nawabshah.
- 2nd Position Award in 2nd year of Bachelor.
- 3rd Position Award in 1st year of Bachelor.

CERTIFICATIONS

1. Training course entitled, "**Chemical Safety for Research Students and Researchers**" Center for Safety, Health and Environment of Chulalongkorn University in cooperation with Center of Excellence on Hazardous Substance Management, Thailand (23rd December 2021).
2. MPhil/Ph.D. level hybrid course (One Credit-hour) entitled "**Laboratory Safety & Security**" conducted by **Mr. Khalid Latif** (KL – Technical & HSE Consultant, Karachi, Pakistan) and organized by **The International Center for Chemical and Biological Sciences**

(ICCBS) in collaboration with the **Sindh Innovation, Research, and Education Network (SIREN)** at LEJ, ICCBS, University of Karachi (05th March - 07th April 2021).

3. 3-day Training on **Process Design & Simulation with Aspen Hysys** (March 28-30, 2017)
4. **Chemicals and Health**, an online non-credit course authorized by Johns Hopkins University and offered through **Coursera**
5. **The Effect of Fires on People, Property and the Environment**, an online non-credit course authorized by the **University of Maryland, College Park** and offered through **Coursera**
6. **How to Write and Publish a Scientific Paper** (Project-Centered Course), an online non-credit course authorized by **École Polytechnique** and offered through **Coursera**
7. **Safety in the Utility Industry**, an online non-credit course authorized by **University at Buffalo** and **The State University of New York** and offered through **Coursera**
8. Introduction to **Molecular Spectroscopy**, an online non-credit course authorized by the **University of Manchester** and offered through **Coursera**
9. **Statistical Molecular Thermodynamics**, an online non-credit course authorized by the **University of Minnesota** and offered through **Coursera**
10. **Machine Learning for All**, an online non-credit course authorized by the **University of London** and offered through **Coursera**
11. **Programming for Everybody (Getting Started with Python)**, an online non-credit course authorized by the **University of Michigan** and offered through **Coursera**
12. Microsoft Office **Specialist** for Office **Word, Excel, & PowerPoint** 2013.
13. **Office Management Skills** under Benazir Bhutto Youth Development Program.
14. 5-day Training on **Designing of Drinking Water Distribution System** (November 18-22, 2019)
15. 3-day Training on **Commercialization of Research Projects and Linkages Development** (31st January- 02nd February 2019)