

# Muhammad Yousuf Jat Baloch

**E-mail:** [engr.yousuf@yahoo.com](mailto:engr.yousuf@yahoo.com); [engr.yousuf@cug.edu.cn](mailto:engr.yousuf@cug.edu.cn)

**Contact Number:** +923322094562, +8615623282576

---

## Career Objective

I am driven to pursue my career in environmental engineering sector, & looking for a challenging position in a well-renowned dynamic and progressive banking, offering ample of opportunities of diversified enhancement of professional growth. To seek challenging and career oriented position in a reputable firm, where I utilize best from my education and experience to obtain its vision, own skills and experience can be used for the betterment of masses, create an excellent reputation for the organization and myself.

## Education

➤ **PhD (Environmental & Groundwater Engineering)**

Jilin University Changchun, China

➤ **2017- 2020 MS (Environmental Sciences & Engineering)**

With 3.91 CGPA from China University of Geosciences (Wuhan), China.

➤ **2011 – 2014 B.E (Environmental Engineering & Management)**

With 1st Division (74%) from Mehran University of Engineering & Technology, Jamshoro, Sindh, Pakistan.

➤ **2008 – 2010 Intermediate (Pre-Engineering)**

With 1st Division (69%) from Board of Intermediate & Secondary Education, Hyderabad, Sindh, Pakistan.

➤ **2006 – 2008 Matriculation (General Science)**

With 1st Division (84%) from Board of Intermediate & Secondary Education, Hyderabad, Sindh, Pakistan.

## Internships

- Six weeks Internship in Health Safety & Environment department at Thatta Cement Company Limited.
- Attended two days training of First Aid by trainer Sarfraz Jafferi at Thatta Cement Company during my Internship.
- One Week Internship in Health Safety Environment department at Lucky Cement Company Limited Karachi 2013.

## Experience

- Two years' experience of Health, Safety & Environment (HSE) Engineer at Bahria Town (PVT) Limited, Karachi, Sindh, Pakistan.
- One year experience of Health, Safety & Environment (HSE) Manager projects of M/S S.S.S Corporation Karachi, Sindh, Pakistan.

## Bachelor Thesis & Master Thesis

- “Bio-hydrogen production from anaerobic co-digestion of food waste & sewage sludge”.
- “Removal of arsenic from groundwater using iron based minerals through adsorption techniques”.

## **Publications**

- Corresponding and 1st author of manuscript entitled “Treatment of Synthetic Grey water by Using Banana, Orange and Sapodilla Peels as a Low Cost Activated Carbon”. (Published in Journal of Materials and Environmental Sciences)
- Corresponding and 1st author of manuscript entitled “Effects of Arsenic toxicity on the Environment and its Remediation Techniques.” (Published in Journal of Water and Environment Technology).
- Coauthor of manuscript entitled “The hydrogeochemical signatures and quality assessment of higher fluoride groundwater in Badin district, Sindh, Pakistan (Published in SN Applied Sciences)
- Corresponding and 1st author of manuscript entitled “Assessment of groundwater and soil as influenced by seawater intrusion in the selected coastal area of District Thatta, Sindh, Pakistan”. (Under Review in the Journal of Groundwater Sciences & Engineering )
- “The removal of arsenic from groundwater through adsorption techniques”. (Under Writing)
- Hydrogeochemistry of groundwater and its evaluation for drinking and irrigation purpose in Sakrand, Sindh, Pakistan (Ongoing project)

## **Mini Project**

- Measure the noise level in dB of all Equipment & Machine of Thatta Cement Company Limited Thatta.
- Effects of air pollution on human health living in Kotri Site Area, Pakistan.
- Survey of Solid Waste Management at Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan.

## **Achievements**

- Awarded Certificate of “Typing” speed is 40 WPM on 08 August 2008.
- Awarded Certificate of “World Water Day” On 22nd March 2012 at Mehran University of Engineering and Technology Jamshoro, Sindh, Pakistan.
- Attended the Seminar on “Environment, Health & Safety” Mehran University of Engineering and Technology Jamshoro, Sindh, Pakistan.
- Awarded Certificate of International Conference on “Energy Environment and Sustainable Development” organized by Mehran University of Engineering and Technology Jamshoro, Sindh, Pakistan in 1<sup>st</sup> October 2014.
- Awarded Prime Minister (PM) Laptop from Higher Education Commission (HEC), Pakistan on 28<sup>th</sup> April 2016
- Awarded Certificate from Pakistan Engineering Council (P.E.C) to attend one day CPD Training Program on “Entrepreneurship & Basic Supervision of Construction Projects” at Quaid-e-Awam University of Engineering and Technology, Nawabshah, Sindh, Pakistan on 19th April 2016
- Awarded Supervision Certificate from Pakistan Engineering Council (P.E.C) to supervise the construction projects on 7<sup>th</sup> June 2016.
- Organizer in earth day on 22nd April 2017 at Mehran University of Engineering and Technology Jamshoro, Sindh, Pakistan.
- Attended the International Conference on DGT (Diffusive Gradients in Thin Films) Techniques and its application in water, Soil and Sediment on 30th March 2018 at China University of Geosciences, Wuhan, Hubei Province, China.
- Attended calligraphy activity at Yellow Crane Tower, on 1st January 2019 at, Hubei Province, China Wuhan.
- Attended “World Water Day” on 22nd March 2019 at China University of Geosciences, Wuhan, Hubei Province, China.

- Attended 2019 International GeoInformatics Summer School at Wuhan University and completed the course Surface Motion Estimation SAR methods and applications from 1st July to 7th July
- Awarded Cultural promoter from State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, (LIESMARS) Wuhan University.
- Attend a conference on “Towards spatial machine learning for identification of hidden patterns and relationships in big data of environmental geochemistry” on 27th March 2019 at China University of Geosciences, Wuhan, Hubei Province, China.
- Attended 7th Lanling (Changshan) Vegetables Industry Expo from 12-April- 2019 to 16April2019.
- Attended earth day on 22nd April 2019 at China University of Geosciences, Wuhan, Hubei Province, China
- Attended 2019 International GeoInformatics Summer School at Wuhan University and completed the course Surface Motion Estimation SAR methods and applications from 1st July to 7th July
- Awarded Cultural promoter from State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, (LIESMARS) Wuhan University.
- Awarded Certificate of Excellence in Peer Reviewing from International Journal Press.
- Awarded recognition certificate sponsors by, CAS, HEC Pakistan and organized by China Pakistan Joint Research Centre on Earth Science International Training Workshop on Disaster Risk Reduction Knowledge Service in China-Pakistan Economic Corridor from 9<sup>th</sup> – 11<sup>th</sup> November, 2020
- Awarded outstanding performance in Third International Ecology and Environment Forum and winning the second prize in oral presentation on 13<sup>th</sup> Dec 2020.
- Awarded Certificate of Participation, two days Training Workshop on Scientific Paper & Patent Writing by Islamic World Educational, Scientific and Cultural Organization (ICESCO) 14<sup>th</sup> - 15<sup>th</sup> Dec 2020.
- Awarded certificate of 85<sup>th</sup> IKCEST training program for Silk Road Engineering Science and Technology Development from Xi’an Jiatong University Dec 2020.

## **Skills**

### **Technical:**

- MS Word, MS power point, MS Excel, ArcGIS, AutoCAD, ORIGIN PRO, Sigma Plot, Primavera, Xpert High Score, MATLAB, and C++.

### **Intrapersonal:**

- Team leadership skills (arranged different functions/festivals in university) ➤ Excellent oral and written communication skills.

## **Research Interest**

- Engineering Hydrology.
- Environmental Geochemistry.
- Groundwater Remediation.
- Water Resources and Irrigation Engineering.
- Water and Waste Water Treatment.
- GIS & Remote Sensing.
- Pollution & Technology.
- Arsenic remediation.
- Diffusive gradients (DGT) technique.
- Persistent organic pollutants (POPs).

