



**Shakeel Ahmed Talpur**

## **EDUCATION AND TRAINING**

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**Master of Engineering in Environmental Science and Engineering**  
*China University of Geosciences Wuhan* [ 01/09/2017 – 25/07/2020 ]

Address: (China)

[https://iec.cug.edu.cn/English/Contact\\_us/Offices.htm](https://iec.cug.edu.cn/English/Contact_us/Offices.htm)

**Master of Science in Environmental Sciences**  
*Quaid-I-Azam University Islamabad* [ 01/09/2014 – 22/08/2016 ]

Address: (Pakistan)

<https://qau.edu.pk/>

**Bachelor of Science in Physics**  
*University of Sindh Jamshoro* [ 01/01/2012 – 22/04/2014 ]

Address: (Pakistan)

<https://usindh.edu.pk/>

## **PUBLICATIONS**

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Talpur, S.A., Noonari, T.M., Rashid, A. Ahmed, A., Jat Baloch, M.Y., Talpur, H.A., Soomro, M.A.,  
Hydrogeochemical signatures and suitability assessment of groundwater with elevated fluoride in  
unconfined aquifers Badin district, Sindh, Pakistan

<https://link.springer.com/article/10.1007/s42452-020-2821-1>

S.N. Applied Sciences. 2, 1038 (2020)

Jat Baloch, M.Y., Talpur, S.A., Talpur, H.A., Iqbal, J., Mangi S.H., Memon, S. Effects of Arsenic Toxicity  
on the Environment and Its Remediation Techniques: A Review

[https://www.jstage.jst.go.jp/article/jwet/18/5/18\\_19-130/article/-char/en](https://www.jstage.jst.go.jp/article/jwet/18/5/18_19-130/article/-char/en)

Journal of Water and Environment Technology 18(5) 275-289 (2020)



Zheng, H., Qu, C., Zhang, Talpur, S.A., Ding, Y., Xing, X., Qi, S. Polycyclic aromatic hydrocarbons (PAHs) in agricultural soils from Ningde, China: levels, sources, and human health risk assessment

<https://link.springer.com/article/10.1007/s10653-018-0188-7>

Environmental Geochemistry and Health 41, 907–919 (2019)

Sanjrani, M.A., Talpur, H.A., Talpur, S.A. Physio-Chemical assessment of water sources for drinking purpose in Badin City, Sindh Province, Pakistan, (Water Supply Schemes and Hand Pumps)

<http://www.journalresearchijf.com/september-2018/>

Advance Research Journal of Multidisciplinary Discoveries. 29(7) pp. 38-44 (2018)

Talpur, S.A., Jat Baloch, M.Y., Su, C., Iqbal, J., A. Akram, A. Aziz, Simultaneous adsorptive approach on arsenate and arsenite by synthetic iron-loaded goethite: isotherms, kinetics, and mechanism

Environmental Science and Pollution Research (Submitted on 22/July/2021)

Su, C., Iqbal, J., Rashid, A., Yang, N., Jat Baloch, M.Y., Talpur, S. A., Rehman, G., Raza, E., Hydrogeochemical evolution processes and evaluation of groundwater suitability for domestic and agricultural utility in Southern Punjab, Pakistan.

Environmental Science and Pollution Research (Submitted on 17/May/2021)

Jat Baloch, N. Y., Zhang, Wu, S., Li, S., Talpur, S. A., Iqbal, J., Hydrogeochemical evaluation, suitability and human health risk assessment of shallow groundwater in Sakrand, Sindh, Pakistan

Chemosphere (Submitted on 28/July/2021)

Talpur, S.A., Noonari, T.M., A. Ahmed, A., Jat Baloch, M.Y., Talpur, H.A., GIS-based distribution profile and human health risk assessment of fluoride in unconfined aquifers of Badin, Sindh Pakistan

Manuscript under writing

## WORK EXPERIENCE

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### Research Associate

*Aga Khan University* [ 17/11/2020 - Current ]

City: Karachi

Country: Pakistan

*Project: MultiTex RCT - Multifaceted intervention package for protection against cotton dust exposure among textile workers - a cluster randomized controlled trial funded by Wellcome Trust U.K.*

- Implementation of intervention package and delivered 64 training sessions to the management staff and workers of different textile mills in Karachi.
- Leading role in meetings with stakeholders, textile association, and labour department to achieve the project targets.
- Data collection and cleaning supervision; and analysis using qualitative and quantitative interpretation methods.
- Collected health and safety-related data from 19 textile mills of 800 sample size; which organized, cleaned and performed uni-multivariate analysis of comparison, association and regression using SPSS and STAT packages



### **Environment, Health, and Safety Officer**

*Bahria Town, (Pvt) Ltd* [ 03/08/2016 – 17/08/2017 ]

City: Rawalpindi

Country: Pakistan

- Performed compliance monitoring and auditing of the management system.
- Carried out job hazard analysis, accident reporting, and risk assessment
- Executed regular workplace environmental monitoring and impact assessment.

### **Environment, Health, and Safety Supervisor**

*MANCOM Inc.* [ 02/04/2014 – 28/12/2014 ]

City: Hyderabad

Country: Pakistan

- Developed workplace profile concerning occupational health and safety.
- Implemented safety plan through timely training sessions to the workers and management staff.
- Maintained inventory and regular maintenance/calibration of environmental monitoring equipments.

## **AWARDS**

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### **Chinese Government Scholarship for Master Degree**

[ 01/09/2017 – 25/07/2020 ]

## **DIGITAL SKILLS**

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### **Softwares skills**

OriginPro 8.5 / Stata: statistical software for data science / GIS (ArcMap , ArcCatalog) / Endnote / Mintab / Grapher / Tableau (data analysis) / CVAS / Xpert HighScore / SigmaPlot / Excel stat / SPSS Statistical Tool / Microsoft Office

### **Scientific skills**

Technical analysis / research and analytics skills / Experience in filed trials set-up / Scientific writing / Data collection and cleaning

### **Organizational skills**

Team Leading and Project Planning / Work management / Team Management Team Work

## **INTERNSHIPS AND TRAININGS**

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### **International Geoinformatics Summer Internship**

[ 01/07/2019 – 07/07/2019 ]

### **LEAF Internship**

[ 05/07/2015 – 03/08/2015 ]

### **WWF Eco-Internship**

[ 30/12/2013 – 02/01/2014 ]



**IOSH Managing Safely (UK)**

[ 02/07/2016 – 05/07/2016 ]

**27th Climate Change Training by Capital Development Authority Islamabad, Pakistan**

[ 02/2016 ]

**28th Disaster Management Training by Capital Development Authority Islamabad, Pakistan**

[ 03/2016 ]

**30th Change Management Training by Capital Development Authority Islamabad, Pakistan**

[ 05/2016 ]

## **VOLUNTEERING**

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**Blood Donation Camp**

[ Quaid-I-Azam University Islamabad, Pakistan, 29/06/2015 ]

## **LANGUAGE SKILLS**

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Mother tongue(s):

**Sindhi , Siraiki**

Other language(s):

**English**

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

**Chinese**

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

**Urdu**

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2