

Name: Dr. Mujahid Khan

Designation: Assistant Professor

Department: Civil Engineering

Specialization: Water Resources Engineering

Email: mujahidkhan@uetpeshawar.edu.pk



Area of Interest: Bridge pier scouring, hydraulic and hydrological modeling, AI-based modeling, flood Forecasting

Office Hours: 8.00am to 4.00pm Monday to Friday

Office Location: First Floor, Old Building Civil Engineering Department opposite to Class room CE-207

Phone: 0333-9346401, 03109801100

Publication:

1. **Khan. M**, H. Md. Azamathulla, Tufail. M (2012), “Gene Expression Programming to predict pier scour using Laboratory data”, Journal of Hydro informatics Vol 14 No 3 pp 628–645 © IWA Publishing 2012 doi:10.2166/hydro.2011.008
2. **Khan. M**, H. Md. Azamathulla, Tufail. M and Ab. Ghani (2012), “Bridge pier scour prediction by gene expression programming”, Proceedings of the ICE - Water Management, Volume 165, Issue 9, July 2012 pages 481 –493 , ISSN: 1741-7589, E-ISSN: 1751-7729
3. **Khan M**, Tufail M, Ajmal M ,Haq ZU and Kim TW (2017), “Experimental Analysis of the Scour Pattern Modeling of Scour Depth Around Bridge Piers” Arab J Sci Eng (2017) 42:4111–4130, DOI 10.1007/s13369-017-2599-7.
4. **Khan M**, Tufail M, Azamathulla HMd, Ahmad, I and Muhammad N (2017), “Genetic functions-based modeling for pier scour depth prediction in coarse bed streams, Proceedings of the ICE - Water Management. **(Accepted for publication)**
5. **Khan M**, Tufail M, Fahad M, Azamathulla HMd, Aslam MS, Ahmad F, and Khan A (2017), “Experimental Analysis of Bridge Pier Scour Pattern” Journal of Engineering and Applied Sciences, Vol 36 (1) 2017.
6. Gul, D.K, **Khan, M** and Akbar, F (2014), “Over Exploitation of Groundwater Resources and Their Influence on Groundwater in Peshawar Valley”, Civil and Environmental Research www.iiste.org ISSN 2224-5790 (Paper) ISSN 2225-0514 (Online) Vol.6, No.4, 2014.

7. Hussain S, Mohammad N, **Khan M**, Rehman ZA, Tahir M (2016), “Comparative Analysis of Rock Mass Rating Prediction Using Different Inductive Modeling Techniques”, International Journal of Mining Engineering and Mineral Processing 2016, 5(1): 9-15, DOI: 10.5923/j.mining.20160501.02.
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9. Ahmad. A, **Khan, M**, Ahmad. N and Tufail. M (2013), “Experimental Investigation of Pakistan Bridges for pier scour depth” Sarhad University International Journal of Basic and Applied Sciences (SUIJBAS), vol-1 April 2013.
10. Pervaiz, H, Mutalib, A and **Khan, M** (2014), Performance analyses of FACTS controllers for power enhancement control under normal and transient conditions for general power transmission system in view of static synchronous series compensator (SSSC) with Matlab Simulink software”, Sarhad University International Journal of Basic and Applied Sciences (SUIJBAS), vol-2 April 2014