

CURRICULAM VITAE

ENGR. MUHAMMAD ASIF ASLAM

(MASTER OF SCIENCES IN WATER RESOURCES, U.K)

(B.Sc. CIVIL ENGINEERING, PAKISTAN)



Personal Information:

Father's Name : Muhammad Aslam
Date & Place of Birth : Oct 23, 1978; District: Vehari-Punjab
Nationality : Pakistani
Marital Status : Married
Language Capability : English; Excellent in Speaking, Reading & Writing
Urdu ; Excellent in Speaking, Reading & Writing
Profession : Teaching/Education (Civil Engineer)
Field of Specialization : Water Resources
Professional Affiliation : Pakistan Engineering Council (PEC) No. 23193
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Professional Excellence Summary:

- **September 2013 to date, is working with Bahauddin Zakariya University, Multan (a Public Sector University) as an Assistant Professor, Civil Engineering Department.**
- 2003 to August 2013: Worked with Irrigation Department Government of the Punjab-Pakistan as an Assistant Executive Engineer through effective and efficient management of irrigation & drainage system and construction projects.
- Acquired a vast experience of preparation of design of irrigation infrastructure, engineer's estimates, bidding documents, contract documents, payment certificates, variation orders, O&M work plan & RFP's etc for the works executed under Annual Development Program, Public Sector Development Project & Foreign Aid.
- Also acquired experience of executed foreign funded (JICA & World Bank etc.) Water Resources Management Projects like Punjab Irrigation System Improvement Project (PISIP) & Flood Protection Sector Project (FPSP)-II.

- Practiced areas are flood and risk management, water resources management, construction management, project & programme management, procurement management and analysis & design of hydraulic structures.
- Have experienced with multimedia presentations, formal and informal meeting, conducting interviews for procurement of technical and administrative staff, etc.
- Have experienced with Microsoft office package, primavera, internet surfing, hands of experience on software like AUTOCAD, SAP 90, EPANET, ISIS & computer groundwater models, etc.

Educational Summary:

- M.Sc. Water Resources Technology and Management, University of Birmingham, UK in the 2008/09 with Merit.
- Bachelor's degree in Civil Engineering, University College of Engineering and Technology, Bahauddin Zakariya University, Multan in the year 2003. Got 1st Position in first and third Professional and 2nd Position in Final Professional.

International Trainings:

- One month training on “Facility Maintenance and Water Management on Irrigation and Drainage” at Tsukuba International Training Centre **Japan from January 2012 to February 2012.**

Publications/Conference Paper/Books:

- Zahid M., Ahmad S, Latif A, Sultan T, Aslam, M.A. (2024), Enhancing Geopolymer Performance: Optimization of Sand to Fly Ash and Water to Geopolymer Solid Ratios Using Response Surface Methodology, Proceeding of 1st Conference on Emerging trends in Civil Engineering for Sustainable Development, Institute of Southern Punjab (ISP) Multan. June 27, 2024.
- Raza, A.; Shah, S.A.R.; Khan, A.R.; **Aslam, M.A.**; Khan, T.A.; Arshad, K.; Hussan, S.; Sultan, A.; Shahzadi, G.; Waseem, M. Sustainable FRP-Confined Symmetric Concrete Structures: An Application Experimental and Numerical Validation Process for Reference Data. Applied Science-Basel 2020, 10, 333. (**IF=2.217**).

- Shah, S.A.R.; Shahzad, M.; Ahmad, N.; Zamad, A.; Hussan, S.; **Aslam, M.A.**; Khan, A.R.; Asif, M.A.; Shahzadi, G.; Waseem, M. Performance Evaluation of Bus Rapid Transit System: A Comparative Analysis of Alternative Approaches for Energy Efficient Eco-Friendly Public Transport System. *Energies* 2020, 13, 1377. **(I.F=2.707)**.
- Khan, T.A.; Taha, M.R.; Khan, M.M.; Shah, S.A.R.; **Aslam, M.A.**; Waqar, A.; Khan, A.R.; Waseem, M. Strength and Volume Change Characteristics of Clayey Soils: Performance Evaluation of Enzymes. *Minerals* 2020, 10, 52. **(I.F=2.250)**.
- Shaukat, R. S., Khan, M. M., Shahid, M., Shoaib, M., Khan, T. A., & **Aslam, M. A.** Quantitative Contribution of Climate Change and Land Use Change to Runoff in Tarbela Catchment, Pakistan. *Polish Journal of Environmental Studies*. Vol. 29, No. 5 (2020), 1-10. **(I. F=1.186)**.
- Khan, T.A.; Farooq, K.; Muhammad, M.; Khan, M.M.; Shah, S.A.R.; Shoaib, M.; **Aslam, M.A.**; Raza, S.S. The Effect of Fines on Hydraulic Conductivity of Lawrencepur, Chenab and Ravi Sand. *Processes* 2019, 7, 796. **(I. F=1.963)**.
- Siddiqui A.S., Khan, M.M.; Shah, S.A.R., Raza, S.S., **Aslam, M.A.** (2019), Impact of Raising Mangla Hydropower Dam on Rural Land and Crop Production Pattern, Proceeding of 1st Conference on Sustainability in Civil Engineering, Capital University of Science and Technology, Islamabad. August 01, 2019.

Employment Record:

1.	Bahauddin Zakariya University, Multan	Assistant Professor	Sep 2013	Date
Description of Major Assignments /Jobs				
<ul style="list-style-type: none"> • Teaching different subjects of Fluid Mechanics, Environmental Engineering, Irrigation & Drainage, and Structures to the students of B.Sc. Civil Engineering. • Director Student Affairs, Civil Engineering Department (2013 to 2019) • Incharge Examinations, Civil Engineering Department (2013 to 2019) • Director Quality Enhancement Cell, Civil Engineering Department (2019 to 2021) • In-charge Curriculum Review Committee, CED (2019 to 2021) 				

1.	Project Management Office (PMO) Punjab Irrigation System Improvement Project (PISIP), Irrigation Department Govt. of Punjab-Pakistan	Assistant Engineer Monitoring	Apr 2010	Aug 2013
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Vision of the Project:

Ensuring the integrity and sustainability of the irrigation infrastructure, improving water resources management, improving irrigation services delivery; and enhancing productivity through lining of the irrigation channels in three Irrigation Canal Circles.

Description of Major Assignments /Jobs

- Preparation of RFP's, tender and contract documents for hiring the Consultancy Services for civil works of the Project in accordance to JBIC Quality Based Selection (QBS) procurement procedure.
- Preparation of RFP's, tender and contract documents for hiring the Consultancy Services of External Auditor for the Project in accordance to Planning & Development Department, Punjab QCBS procurement procedure.
- Prequalification of contractors with assistance of project Consultant.
- Overseeing the works of Consultants on Appraisal Reports, Design, Estimates and Construction Supervision matters related to the project.
- Supervising the work of Consultant in preparation of tender/contract documents, Specifications, bidding procedure and bids evaluation.
- Monitoring of engineering aspects of the project and produce reports on monthly & quarterly basis.
- Assisting the Director Engineering in the Design review of irrigation channels and hydraulics structures
- Scrutinize and certify the payment invoices of the Consultant's in accordance to Consultancy Services Agreement.
- Scrutinize Interim Payment certificates (IPC) of civil works packages for payment validated by the concerned Engineer In-charge of Irrigation Department and Project Consultant's.
- Active inter-action with Donors (JICA), Consultants and other stake holders (Punjab

Irrigation and Drainage Authority, Irrigation Department, etc.) on monthly review progress of the project or any such area requiring immediate attention.

- Ensuring compliance and implementation of rules and regulations issued by the Federal / Provincial Governments, Donors in the implementation of Project.

2.	<p>Irrigation Department Govt. of Punjab-Pakistan.</p> <p>-Assistant Design Engineer, Central Design Office, Lahore</p> <p>-Sub Divisional Officer, Thal Development Division Mianwali-Punjab.</p>	A.E.E/SDO	Sept, 2003	April, 2010
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Description of Major Assignments /Jobs

- Design Review of different hydraulic structures
- Effective and efficient management of irrigation & drainage system and Construction Projects.
- Assistance to Executive Engineer in preparation of design of irrigation infrastructure, Engineer’s estimates, bidding documents, contract documents, payment certificates, variation orders, O&M work plan etc.
- The project designing, planning, estimating, tendering, contracting, execution and billing were the major tasks.
- Proper management of administrative and financial matters related to the sub division.
- Preparation of PC-1, PC-II, PC-III & PC-IV for various Development schemes
- Executed & Managed construction activities, operation & maintenance (O&M) works on the following major projects during this tenure.
 - Remodeling of Thal Canal Project (Remodeled on 10000 cusec discharge where brick lining is replaced with concrete lining)
 - Paikhel Lift Irrigation Scheme (new lift irrigation scheme with discharge 200 cusec and lift of 100 ft in two stages)
 - Mouch Lift Irrigation Scheme (new lift scheme with discharge of 8 cusec).
 - Operation and Maintenance of Jinnah Barrage (capacity 1100000 cusec) on mighty Indus (western river in Pakistan)
 - Flood Protection Sector Project-II (Survey, design, model study, and construction of

series of spurs on mighty Indus in its 50km length from Chashma to Maibal Town)
-Bhakkar Flood Bund to protect Bhakkar City (Survey, design, model study and construction of earthen flood bund and tie spurs).