

VITA

of

Dr. Muhammad Kaleem Sarwar, PhD (Civil Engg.)



**Assistant Professor
Centre of Excellence in Water Resources Engineering,
University of Engineering and Technology
Lahore, Punjab, PAKISTAN**

I. PERSONAL INFORMATION

PERSONAL

Citizenship: PAKISTAN

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EDUCATION

<i>Institution</i>	<i>Degree</i>	<i>Year</i>
University of Engg. &Tech.,Lahore	PhD (Civil Engg.)	2019
CEWRE UET, Lahore	M.Sc. (Hydropower Engg.)	2004
University of Engineering and Technology, Taxila, Pakistan	B.Sc. (Civil)	2000

EMPLOYMENT HISTORY

Assistant Professor (2008 to present), Centre of Excellence in Water Resource Engg. University of Engineering & Technology Lahore.

Lecturer (2004-2008), Centre of Excellence in Water Resources Engineering. University of Engineering & Technology Lahore

Research Associate (2003-2004) Centre of Excellence in Water Resources Engineering. University of Engineering & Technology Lahore , Stochastic Flood Risk Zoning Project.

Site Engineer (August 2001 to December 2001), Dual Carriageway Islamabad-Murry Project

Site Engineer (December 2000 to July 2001), Ufone GSM Project

HONORS AND AWARDS

Certificate of Appreciation for organizing Training workshop on Engineering Design and Analysis of Embankment Dams, April, 2019.

Certificate of Appreciation for organizing International Conference on Hydropower (ICHP) as a Conference Secretary, December 2018.

Certificate of Appreciation for organizing Training workshop on Design of Hydropower Projects, August, 2018.

Certificate of Participation in Stakeholder Consultation Workshop on Water Resources Management, August 29, 2016.

Certificate of Participation in Seminar on Improved Planning & Design of Small Hydropower Projects, March 21, 2005.

Certificate of Participation in international Training Workshop on Hydro salinity Abatement and Advance Techniques for sustainable Irrigated Agricultural, September 25, 2004.

Certificate of Participation in Training Workshop on Sediment Management, April 7-8, 2004.

MEMBERSHIP AND ASSOCIATION WITH ENGINEERING SOCIETIES

Professional Engineer, Pakistan Engineering Council, Pakistan (2000 to present).

II. PUBLICATIONS

REFEREED JOURNALS

Under Review

Sarwar, M.K. Ijaz,A., Zulfiqar,A.,Habib,M. “Experimental and Numerical Studies on Orifice Spillway Aerator of Bunji Dam,” *Jour. Chinese Inst. Engineers*.

Published

Tousif,B.,Sarwar, M.K., Adnan,A.,Yar,M., “Effect of Irrigation Application on soil and Land productivity under semi-arid environment”, *Journal of Agricultural Research*, vol. 55, no. 01, 2017.

Shah,SM.,Awais,M.,Afzal,M.,Sarwar, M.K., “Impact of urbanization on inflows and sedimentation load in Rawal Lake of Pakistan”, *Journal of Agricultural Sciences*, vol. 53, no. 03, 2016.

Sarwar, M.K., Zulfiqar,A., “Evaluation of air vents and ramp angles on the performance of orifice spillway aerators” *Jour. Eng. &App.Sci*, Vol.35,Issue no.01 2016.

Zulfiqar,A., Sarwar, M.K., “Catastrophe of Flood 2010 at Taunsa Barrage; Review of Technical Findings of Punjab Judicial Tribunal Report”*Jour.SciTec. & Devp*.Vol.35,Issue no.01 2016

Zulfiqar,A.,Sarwar, M.K.,” Launching/Disappearance of Stone Apron, Block Floor Downstream of the Taunsa Barrage and Unprecedented Drift of the River towards Kot Addu Town” *Jour. Sci Tec. & Devp.* Vol.34,Issue no.01,2015.

Zulfiqar,A.,Sarwar, M.K., “Rehabilitated Taunsa Barrage: Prospects & Concerns”, *Jour.SciTec. & Devp*, Volume 33,Issue 3,2014.

Naveed,,A.,Sarwar, M.K.,Mehmood,S., “Impact of Silt Excluder on Sediment Management of an Irrigation Canal: A Case Study of D.G. Khan Canal, Pakistan”*Arab.Jour.Sci.&Engg.* Volume 38, Issue 12 ,2013.

Proceedings of national and International Conferences

Waseem, M., Qaiser, K., and Sarwar, M. K., “Assessment of Defects, Remedial Measures and Development Prospects of Sick Jaglot Hydropower Project”, Dec. 2017, pp. 64-70.

Yasin, M., Naveed, M., and Sarwar, M. K., “Selection of best Diversion Facility for the Construction of Kohala Hydropower Project”, Dec. 2017, pp. 127-134.

Zafer, I., and Sarwar, M. K., “Analysis of Floods on Fixation of Road Profile Grade level for roads in Hilly Terrain”, Dec. 2017, pp. 169-176.

Sarwar, M. K.,Nisar,Z.,Nabi,G., “Hydraulic Performance of an Orifice Spillway using CFD Modelling”, Dec. 2017, pp. 177-184

IV. GRADUATE STUDENTS

M.S.

Mahmood, Irfan, “Promotion of community based micro hydropower projects: A case study”, February 2008.

Hazrati,Arash, “Designing of powerhouse for Suki Kinari Hydropower project” , July 2008.

Ahmad,Shoab, “Optimum Design & Operational Analysis of Desalting Chambers in Hydroelectric Scheme (A case study of Kohala Hydropower Project)” , September 2009.

Muhammad,Atif, “Rainfall Runoff Relationship Using Calibrated Strangers Runoff Factor in Select as Watershed of NWFP”, December 2009.

Aslam,Sheraz, “Analysis of Hydraulic Transients in Penstock :(A Case Study of Kohala Hydropower Project)”, December 2009.

Anjum,Naveed, “Impact evaluation of silt excluder on sediment management of DG. Khan Canal”, September 2010.

Naveed, Muhammad, "Optimization of diversion work for the kohala hydropower dam", August 2010.

Usman, Ali, "Simulation of sediment flushing at intake structure of kohala hydropower project by using SSIIM Model" August 2010.

Raza, Waseem, "Power potential of jab ban hydropower plant under changed flow conditions", October, 2010.

Qureshi, Khalid, "Analysis of hydraulic regime of Punjnad main line under non perennial flow condition", December 2010.

Amir, Shafiq, "Optimization of Hydropower Potential at Renala Hydropower Project", December 2010.

Sheikh, Asgher, "Hydrological analysis and optimization of waterways for darmodar hydropower scheme", December 2010.

Ahmadani, Ajmal, "Study For Hydraulic Jump Formation, Energy Dissipation and Residual Pressures at Taunsa Barrage in Post Rehabilitation Scenario", July 2011.

Khokhar, Ashraf, "Construction Techniques Applied in Mangla Dam Raised Embankment", July, 2011.

Waseem, Mobusher, "Physical model study of scouring phenomenon at piers of west channel bridge over river Chenab near Chiniot", August, 2011.

Anjum, Riaz, "Calibration and development of scour depth relationship by analyzing Neelum Jhelum physical model study results for different energy dissipation schemes" September 2011.

Jamshed, Faisal, "Evaluation of effect of Hump on open channel: A case study of KORU Distributary of L.C.C (East) system" September 2011.

Akram, Muhammad, "Analysis of seepage problems and their remedial measures for lower gugera branch canal (LGBC) from RD13+000 to RD 16+700", February 2012.

Hameed, Nasir, "Sediment transport modeling for upper reaches (RD 0+000 to RD 109+000) of lower bari doab canal and its impact on bed profile" April 2012.

Iqbal, Tahir, "Hydraulic analysis of Bunji dam spillway using CFD model" September 2012.

Farooq, Muhammad, "Physical model study for energy dissipation phenomenon at vertical fall (RD 27 + 000) of LGBC", September 2012.