



Ahmad Rafay Alam

Ahmad Rafay Alam is an environmental lawyer and partner at Saleem, Alam & Co. a law firm and consultancy specializing in the energy, natural resources, water and urban infrastructure sectors. Mr. Alam has experience in corporate governance of public sector companies, serving as Chairman of the Lahore Electric Supply Company (2010-2013) and the Lahore Waste Management Company (August 2016 to date). He regularly lectures on environmental law, climate and regulatory policy and governance at the Lahore University of Management Sciences, Punjab University, Lahore School of Economics and the National School of Public Policy. He has served as a Member of the Punjab Environmental Protection Council (2013-2016). Mr. Alam has participated in several Track-II initiatives on transboundary water in South Asia, has conducted extensive research on ground and transboundary water and climate law and policy at the Lahore University of Management Sciences, with the Jinnah Institute, Chatham House (UK) and with LEAD Pakistan. Mr. Alam is a Yale World Fellow (2014).



Engr. Rao Irshad Ali Khan

Engr. Rao Irshad Ali Khan has over forty years of experience in water resources governance of Pakistan. He joined the Irrigation Department, Government of Punjab in January, 1975 and served in the Irrigation Department from 1975 to 2010. He joined Indus River System Authority (IRSA) as Chairman/Member Punjab in 2010 and has completed over 5 years in this organization. Presently, he is posted as Member IRSA Punjab. He has also served as Chairman IRSA for two tenures, each of one-year duration in 2010-11 and 2015-16. During his tenure at IRSA, he participated in numerous talk shows on the electronic media regarding 'Water Availability in Pakistan, its Conservation and Distribution'. He also participated in numerous Seminars and Workshops and was invited to deliver lectures on the subject at National Management Institute Peshawar and National Defense University Islamabad, among others.



Feisal Hussain Naqvi

Mr. Feisal Naqvi is currently a Senior Partner in Haidermota BNR & Co., one of Pakistan's largest law firms, specializing in commercial, corporate and constitutional litigation. He served as Pakistan's Representative for the Baglihar Dam Dispute with India. Mr. Feisal Naqvi was ranked by Chambers as one of the top litigators in Pakistan since 2008 and as one of the top transactional lawyers in 2009-12. He was also ranked as a top litigator by Asia-Pacific Legal 500. Among other notable experience Mr. Feisal has acted as a consultant to the World Bank, the Asian Development Bank, USAID, Asia Foundation, Planning Division (Ministry of Finance), United Nations Development Program, International Fund for Agricultural Development and the Competitiveness Support Fund.



Dr. Hassan Abbas

Dr. Hassan Abbas is an expert in hydrology and water resources and currently heading the Water Programme at LEAD Pakistan. He is a Civil Engineering graduate from NUST, Pakistan; holds a Masters Degree in Water Management from University of Technology Sydney, Australia; and, a PhD in Hydrology and Water Resources from Michigan State University, USA. He has twice won American Water Resources Association's awards for innovative ideas. His 20 years career in water resources spans Murray-Darling Basin in Australia, Euphrates-Tigris Basin in the Middle East; Great Lakes Basin between USA and Canada; Imperial Valley in USA; Sava River in Belgrade and Indus Basin in Pakistan. The diversity of projects that he has been involved includes hydel power projects; open pit coal mining; coal fired power plants; restoration of wetlands and forests; management of regional aquifers; development of river basin management plans; and numerical modelling of environmental systems etc. He established the first UNESCO Chair in Knowledge Systems for Water Management in Pakistan in 2014. Focus areas of his research include irrigation efficiency; inland waterway systems; and trans-boundary water disputes. In his leisure time, Abbas goes globe trotting and photographing in nature.



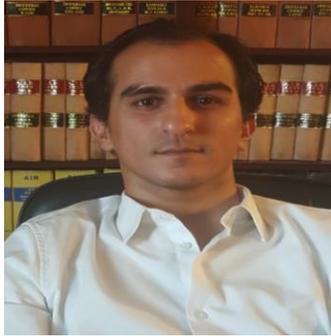
Dr. Arif Anwar

Arif Anwar is an irrigation/water resources research engineer with significant experience in the water resources/irrigation sector of Pakistan. Arif describes himself as a research engineer whereby he seeks innovative solutions to problems. Arif started his career working for a Government agency in Pakistan implementing development projects from where he realized his interest in innovation and research. He subsequently spent 17 years at the University of Southampton, UK as an academic where he pursued his two ambitions of research and teaching. He has considerable knowledge and expertise in the development and management of engineering education and professional issues. His research covers a range of issues from water resources to irrigation operations, to field level irrigation, but his niche area is in the application of operations research tools and techniques to irrigation operations. Arif is on an extended sabbatical from the University of Southampton and has joined the International Water Management Institute where he leads a number of research projects and also heads up the IWMI Pakistan office. He is a member of the Pakistan Engineering Council, a member of the ASCE and an ABET programme evaluator. He is also an Associate Editor for the ASCE Journal of Professional Issues in Engineering Education and Practice.



Dr. Muhammad Javed

Dr. Muhammad Javed has been serving as the Director Social & Environment Management Unit at the Punjab Irrigation Department for over seven years. He holds a Ph.D. in Soil Science from the University of Agriculture Faisalabad and a Post Graduate Diploma in Environmental Law from the University of Punjab. Dr. Javed has also served as Deputy Director Groundwater Management in SPRU and was in-charge of groundwater monitoring cell in DLR. Dr. Javed has extensively worked with international organisations like World Bank, Asian Development Bank and JICA on water sector reform projects over the years in Pakistan. Dr. Javed's extensive experience in the water sector also includes working with groundwater modelling consultants of LBDCIP, ACIAR and PISIP on modflow and solute transport.



Asghar Leghari

Asghar Leghari is a practicing lawyer and a member of the Punjab Bar Council as an Advocate of the High Court. He received his BA-LLB from the Lahore University of Management Sciences. He is currently working with *AJURIS, Advocates and Corporate Counsel* where he has been handling both contentious and non-contentious legal matters with specific focus on corporate and constitutional issues. He is also the petitioner in a public interest petition before the Green Bench of the Lahore High Court seeking implementation of Pakistan's Climate Change Policy.



Laila Kasuri

Ms. Laila Kasuri is an Adjunct Faculty at Lahore University of Management Sciences (LUMS) and is a Faculty Associate at the Centre for Water Informatics and Technology. She is also a Visiting Researcher with International Water Management Institute (IWMI) and sits on the Lahore High Court's Climate Change Commission as an advisor on issues around water and sustainable development.

Prior to this, Ms. Kasuri was working as a water resources consultant with the World Bank in Washington DC, where she worked on projects in Bangladesh, India, and Afghanistan. She has worked in various places before including, in California, as a researcher at the Centre for Watershed Sciences in Davis, CA; in Cambridge, MA as a research fellow with the Harvard Water Security Initiative; and in Islamabad, with the ADB-led Friends of Democratic Pakistan Water Sector Task Force.

Her research has spanned issues on trans boundary water resources, water and federalism, and decision support tools for water. Her work has been published in the *Water Policy Journal*, the *Harvard College Review of Environment and Society* and the *Handbook of Applied Hydrology, McGraw-Hill* and her dissertations have been awarded the Interdisciplinary Graduate and Professional Student Association Award, the President's Award for Excellence from the US Army Corps of Engineers and the Thomas T. Hoopes Award for Outstanding Academic Research at Harvard University.



Ms. Kasuri graduated with highest honors, cum laude from Harvard University, and later did her Masters in Environmental and Civil Engineering from University of California, Davis, and the University of Washington at Seattle – U.S.A.



Fazilda Nabeel

Ms. Fazilda Nabeel is a Doctoral Researcher at the University of Sussex (UK) and currently working with the Centre for Water Informatics and Technology (WIT) as a Visiting Researcher. Fazilda’s research on transboundary water issues was published in for Mahbub ul Haq Centre’s Human Development Report (2013) titled ‘Water for Human Development’ She has also conducted background research for use in the last Track II Water-Dialogue held by the Atlantic Council USA (South Asia Centre) in Lahore in September 2012. Fazilda was also selected as a Lead Pakistan Fellow on Transboundary Water Resources South Asia for 2014-2015. Fazilda underwent training at the Water Diplomacy Workshop, Harvard Law School, where she presented a case on the Indus Basin and contributed to the Aquapaedia Case Database maintained by the Water Diplomacy Network of MIT, Harvard and Tufts. Her doctoral research funded by Economic and Social Research Council (UK) analyses the nature and underlying causes of problem of groundwater governance, particularly how state and non-state actors frame and affect the nature of groundwater non-governance, in the context of the Indus Basin of Pakistan.



Adil Javed

Mr. Adil Javed has acquired his B.Sc. Civil Engineering from UET, Lahore and M. Sc. Water Resources Engineering from University of Stuttgart, Germany. During his association with the University of Stuttgart, he worked as a Research Analyst on different projects which includes Finite Element Analysis using ANSYS – Linear / Non-linear static Analysis, Modal Analysis, Harmonic Analysis and Design Optimization and Estimation on Redistribution of Oil in an Abandoned Reservoir. His recent publications are “Enhanced Oil Recovery through Steam Assisted Gravity Drainage” and “CO2 as a Working Fluid in Geothermal Power Plants: Comparison



of Recent Studies and Future Recommendations”. His areas of research are numerical methods, scientific computing, and modeling of hydro-systems, hydraulic structures and hydrology. He is currently working as Deputy Director in Irrigation Department, Government of Punjab.



Dr. Sanval Nasim

Dr. Sanval Nasim is an Assistant Professor of Economics at the Lahore University of Management Sciences. Dr. Nasim has a PhD degree in Environmental Sciences from the University of California, Riverside and an undergraduate degree from Colby College. His PhD research explores the effects of institutional constraints on the efficient allocation and optimal management of groundwater in Pakistan’s Indus Basin. Dr. Nasim is interested in discovering how human behavior contributes to the long term degradation of natural resource systems and how local institutions shape and inform economic policies for a sustainable environment and a healthy resource base. His areas of interest include: environmental and natural resource economics; water management, sustainability, and conservation; and climate change.



Dr. Pervaiz Amir

Dr. Pervaiz Amir is an economist trained at Michigan State University with advanced training in environmental economics at Harvard University. He has been a Program officer with Winrock International and consulted widely with the World Bank, Asian Development Bank, UNDP, IFAD, FAO, ODA, WWF, Oxfam, GWP, Novib, British Council, CGIAR, AKFED, USAID, RNE, IUCN, and World Commission on Dams. Dr. Pervaiz Amir has also served as Expert Member of the Prime Minister’s Task force on Climate Change and on the Technical Advisory Panel of the MOE where he provides senior level policy advice on issues pertaining to agriculture, water and climate change. He has been representing Pakistan at the COP meetings in Copenhagen (2009) and Cancun, Mexico (2010), Durban (2011) and Doha (2012) as Party.

Dr. Amir has worked extensively on water resource projects in Pakistan. He was the team Leader for the World Bank’s Hydropower Benefit Sharing Study and also coordinated World Bank’s Water CAS (2006) seminal piece with John Briscoe of Harvard University. He



continues to represent the South Asian region on behalf of the Global Water Partnership and became a member GWP Strategic Task Force (2013-2019).

Dr. Amir has been the lead author and co-author of numerous studies on water resource management, environmental sustainability and climate change adaptation. Most notable among them are Adaptation Costing Chapter for NEED study for UNFCCC (2011), Indus Basin River System Framework for WWF (2012), DFID financed regional project on Climate Resilience and Integrated Drought Management (2013). His recent study on estimating the impacts of climate change on sectoral demands of water in Pakistan for Oxford Policy Management (2016) was presented to the Prime Minister by Secretary Ministry of Climate Change. Dr. Amir is also currently the Advisor for Economic and Evaluation of Basha dam with major inputs to economics of Basha dam and climate change impacts on river flows.



MIRZA ASIF BAIG

Mirza Asif Baig is the Pakistan Commissioner for Indus Waters and a civil engineer by training. He has 35 years of experience in the field of water resources, hydrology and flood management. He took his Bachelors' degree in Civil Engineering from University of Engineering & Technology, Lahore in 1980 and obtained his Masters Degree from Asian Institute of Technology, Bangkok, Thailand in 1984. He has spent a considerable part of his career at Water Resources Division in NESPAK, where he started as a Junior Engineer in 1980 and rose to the position of Vice President in 2010. In June 2012 he was invited by Government of Pakistan to work as Pakistan Commissioner for Indus Waters. Before joining the office of Pakistan Commissioner for Indus Waters he was assisting this office as Consultant/Adviser on various water issues between India and Pakistan.