



**HEALTH SERVICES ACADEMY**  
 Prime Minister's National Health Complex  
 MoNHSR&C, Chak Shazad, Islamabad.  
[www.hsa.edu.pk](http://www.hsa.edu.pk)



<b>Name</b>	<b>Dr. Muhammad Zubair Khan</b>			
<b>Current Position(s)</b>	<b>Director ORIC &amp; Professor Bio-Statistics (BS-21)</b> <b>Additional Charge: Director Licensing &amp; Director Examination, AHPC</b>			
<b>Recent Responsibilities</b>	<b>Professor of Statistics (B-21)</b> , BUIITEMS, Quetta. <b>Director</b> , Population Research Centre, Provincial Research Centre of Pop Council-Islamabad located at BUIITEMS-Quetta. <b>Ex-Associate Dean</b> , Faculty of Basic Sciences, BUIITEMS. <b>Ex-Chairman</b> , Mathematical Sciences, BUIITEMS <b>Former Accounts Officer</b> at Edu Dir, GHQ, Rawalpindi Cantt. <b>Former Consultant</b> , UNODC National Project, NIPS, Islamabad.			
<b>Research Publications Available @</b>	Research Gate ID: <a href="https://www.researchgate.net/profile/Muhammad-Khan-1258">https://www.researchgate.net/profile/Muhammad-Khan-1258</a>			
	Google Scholar Profile ID: <a href="https://scholar.google.com/citations?user=bieNHXIAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=bieNHXIAAAAJ&amp;hl=en</a>			
<b>E-mail address</b>	Official	<a href="mailto:m.zubair@hsa.edu.pk">m.zubair@hsa.edu.pk</a>		
	Personal	<a href="mailto:dr.zubair.statistics@gmail.com">dr.zubair.statistics@gmail.com</a>		
<b>Telephone Number</b>	Tel:	+92-51-9255590 ____ Mobile/WhatsApp: +92-334-9105535		
<b>Work Experience with Govt / Public sector</b>				
<b>S. No</b>	<b>From (year)</b>	<b>To (year)</b>	<b>Name of the Organization</b>	<b>Position held</b>
1	03-Jun-2024	Till date	Allied Health Professional Council (AHPC), Islamabad.	<b>Director Licensing &amp; Director Examination at AHPC, MoNHS&amp;R. (on attachment)</b>
2	01-May-2024	Till date	Health Services Academy (HSA), Islamabad.	<b>Director, ORIC</b>
3	13-Feb-2024	Till date	HSA, Islamabad.	<b>Professor Bio-Statistics (BS-21)</b>
4	13-Oct-2022	01-May-2023	BUIITEMS	<b>Associate Dean, Faculty of Basic Sciences</b>
5	01-Mar-2023	30-Jun-2023	UNODC project, NIH	<b>Consultant</b>
6	31.Dec.2021	12-Feb-2024	BUIITEMS	<b>Professor Statistics (BPS-21)</b>
7	01-Dec-2021	12-Feb-2024	Pop Council & BUIITEMS	<b>Director, Pop Research Centre</b>
8	11.Mar.2019	30.Dec.2021	BUIITEMS	<b>Associate Professor (BPS-20)</b>
9	01-Jul-2018	31-July-2018	BUIITEMS	<b>Chairman, Dept of Mathematical Sciences</b>
10	24.Dec.2012	10.Mar.2019	BUIITEMS	<b>Assistant Professor (BPS-19)</b>
11	16.Oct.2008	23.Dec.2012	BUIITEMS	<b>Lecturer (BPS-18)</b>
12	06.Jul.2007	15.Oct.2008	Edu Dir, GHQ, Rawalpindi.	<b>Accounts Officer / Bursar</b>

<b>QUALIFICATIONS</b>				
<b>Year</b>	<b>Degree</b>	<b>Name of the Institute/ University</b>	<b>Field of study</b>	
8 <sup>th</sup> May, 2018	Ph.D	Pakistan + Turkey (On scholarship: HEC + Turkish Govt)	Bio-Statistics	
1 <sup>st</sup> Nov, 2012	M.Phil.	University of Peshawar (on HEC Scholarship)	Applied Statistics	
Sep, 2004	M.Sc.	Hazara University	Statistics	
<b>Top 10 Publications: WoS and HEC Recognized journals</b> ( <i>complete list available at above links</i> )				
S.#.	Title of Paper	Name of Journal	National/ International	Publication date
1	Brain Tumors Classification from MRI using Image Enhancement and Convolutional Neural Network Techniques	BRAIN SCIENCES (IF= 3.30)	International	Sep, 2023
2	A Service-Efficient Proxy Mobile IPv6 Extension for IoT Domain	INFORMATION (IF= 3.10)	International	Aug, 2023
3	CR-NBEER: Cooperative-Relay Neighboring-Based Energy Efficient Routing Protocol for Marine Underwater Sensor Networks.	JOURNAL OF MARINE SCIENCE AND ENGINEERING (IF= 2.90)	International	July, 2023
4	Automated Classification of Brain Tumors from Magnetic Resonance Imaging Using Deep Learning. <i>Brain Sci.</i> <b>2023</b> , <i>13</i> , 602.	BRAIN SCIENCES (IF= 3.30)	International	Mar, 2023
5	Assessing energy efficiency in the Asia-Pacific region and the mediating role of environmental pollution: evidence from a super-efficiency model with a weighting preference scheme	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH (IF= 5.80)	International	2021
6	Socioeconomic impacts of domestic biogas plants on rural households to strengthen energy security.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH (IF= 5.80)	International	2021
7	Biostatistical Study of Clinical Risk Factors of Myocardial Infarction: A Case-Control Study from Pakistan	PAKISTAN ARMED FORCES MEDICAL JOURNAL	National (X-Category)	2016
8	Biostatistical Analysis of Modifiable Risk Factors of Myocardial Infarction	JOURNAL OF MEDICAL SCIENCES	National (X-Category)	2016
9	Impact of Interest Rate Spread on the Profitability of All Commercial Banks in Pakistan	INDIAN JOURNAL OF ECONOMICS AND DEVELOPMENT	International	2021
10	Artificial Neural Network versus Binary Logistic Regression for Determination of Risk Factors of Myocardial Infarction	INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY	International	2019
<b>Paper Presented at International levels</b>				
S.#.	Title of Paper	Name of Conference	National/ International	Date
1	Comparison of artificial neural network and binary logistic regression for determination of risk factors of myocardial infarction	4 <sup>th</sup> ICCSS Indonesia	International	2017

2	Impact of interest rate spread on the performance of all commercial banks in Pakistan	ICSSHIS, USA	International	2019
<b>Area of specialization</b>		Biostatistics / Financial Statistics / Data Science		
<b>Research Interest</b>		Artificial Neural Networks, Panel data Regression analysis, Biostatistical research, Qualitative & Quantitative data analysis, Data Analytics with R, Advance Excel, SPSS, Power BI etc.,.		
<b>Future Research Plans</b>		Committed to contribute to humanity through Statistics, Data science, AI and meaningful research		
<b>HEC Approved supervisor</b>		<b>YES</b>		
<b>If Yes, provide HEC URL</b>		<a href="https://www.hec.gov.pk/english/scholarshipsgrants/ASA/Pages/APS-EPORTAL.aspx">https://www.hec.gov.pk/english/scholarshipsgrants/ASA/Pages/APS-EPORTAL.aspx</a>		
<b>Research grants/ Projects</b>		<ol style="list-style-type: none"> <li>1. HEC, M.Phil. Scholarship (2 years)</li> <li>2. HEC, PhD scholarship (3 years)</li> <li>3. Turkish Scholarship Mevelana for 6 months during PhD</li> <li>4. HEC research travel grant for Indonesia in 2017.</li> <li>5. HEC research travel grant for USA in 2019.</li> </ol>		
<b>ADDITIONAL INFORMATION</b>				
<p><b>Honor: -</b></p> <p><b>Session Chaired</b> “International Conference on Social Science, Humanities and Interdisciplinary Studies (ICSSHIS '19)” at IBII, Sam Houston State University, USA on 1<sup>st</sup> Mar 2019.</p> <p><b>Languages Learnt: -</b></p> <p>English, Urdu, Pashto, Hindko, Punjabi, Turkish etc.</p> <p><b>International Visits: -</b></p> <p>Turkey, Saudi Arabia, Sri Lanka, Indonesia, Qatar, USA, UAE.</p> <p><b>Training Conducted: -</b></p> <p>I facilitated (as <b>Trainer</b>) a five days training workshop on “SPSS” for training of 32 Government Officers of Balochistan, organized by UNDP at NIM, Quetta, in the year 2011.</p> <p><b>Statistical Software’s Learnt: -</b></p> <p>Data Analysis with SPSS, R, Power BI, Advance Excel, AMOS &amp; E-Views etc.</p> <p><b>Courses Taught at BS/MS/M.Phil. &amp; PhD level: -</b></p> <p>Biostatistics, Data Analysis using SPSS, R, Excel &amp; EViews, Business Statistics, Probability &amp; Random Variables, Inferential Statistics, Advanced Research Methodology, Regression Analysis &amp; Econometrics, Survival Data Analysis, Quantitative Techniques, Spatial Data Analysis, Statistical Methods, Applied Non-parametric Statistics.</p>				