

PERSONAL INFORMATION



Shahid Karim (Ph.D)

 Department of Geography, GC University, Lahore. Pakistan
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WORK EXPERIENCE

Nov 15, 2022 to date

**Assistant Professor in Geography Department
GC University Lahore, Pakistan.**

To deliver lectures to MS and BS (Geography, Disaster Risk Management) Programs
 To conduct training on ArcGIS and Erdas Imagine software in the Lab
 To deliver lectures and demonstrate the field surveys on Surveying and Leveling by using Total Station, Automatic levels, GPS receivers and traditional surveying instruments e.g Prismatic Compass, Plane Table and Chain etc.
 To supervise the Research Students at BS and MS Level.

Business or sector Education

Nov 12, 2014 to Nov 14, 2022

**Lecturer in Geography Department
GC University Lahore, Pakistan**

To deliver lectures to MS and BS (Geography) Programs
 To conduct training on ArcGIS and Erdas Imagine software in the Lab
 To deliver lectures and demonstrate the field surveys on Surveying and Leveling by using Total Station, Automatic levels, GPS receiver and traditional surveying instruments e.g Prismatic Compass, Plane Table and Chain etc.
 To supervise the Research Students at BS and MS Level

Business or sector Education

01-09-2013 to 11-11-2014

**Lecturer in Geography Department
GC University Faisalabad, Pakistan.**

To deliver the lecture to MSc and BS (Geography) and BS RS&GIS Program
 To conduct training ArcGIS and Erdas Imagine software in the Lab

Business or sector Education

14-05-2012 to 31-08-2012

**GIS Field Officer
iMAP Pakistan.**

To conduct the GPS Field survey, Convert GPS points to Shapefile
 Upload the data on Geo Server, Analyse these data according to needs
 Prepare reports, Monitoring and Evaluation the Field Work Activities

Business or sector Humanitarian INGO

05-07-2007 to 25-09-2009

**Credit Manager
MCB Bank PVT LTD.**

To Monitor and Evaluate over all credits (Agricultural, Commercial,) of the branch.
 To issue the new loans and to recover the old ones.
 To maintain the credit lines of branch according to the Prudential Regulations of State Bank of Pakistan. To prepare the weekly and monthly reports for CRMIS data.

Business or sector Banking and Financial Sector

30-06-2006 to 30-06-2007

**GIS & Survey Analyst
NESPAK Pvt.(Ltd)**

To conduct different types of surveys i-e Topographic, Levelling, Layouts and traversing. Worked on Lahore Ring road Project

Business or sector Engineering

EDUCATION AND TRAINING

September 2018 to July 2022

PhD in Human Geography

EAST CHINA NORMAL UNIVERSITY (SHANGHAI CHINA)

Chinese for Beginners (Part 1)

Theory and Method of regional Planning

Political Anthropology

Chinese for Beginners (Part 2)

Introduction to the Civilization of China

Frontiers of Human Geography

Culture and Space

Urban Planning Management and Urban Development

Development Economy

September 2009 to May 2013

MS in Remote Sensing & Geographical Information Systems

National University of Sciences and Technology (NUST), Islamabad (Pakistan)

Advance GIS

Advance Remote Sensing and Image Processing

Advance Geodatabase and Programming

Land Information System,

Natural Hazard and Disaster Management

Geodesy

Research Methods

GIS standards, Security and Ethics

Research Thesis: "Soil Salinity Assessment in Toba Tek Singh using Temporal Imagery"

M.Sc. Geography

University of the Punjab Lahore. (Pakistan)

Development of Geographic Thoughts and Modern Concepts

Economics Geography

Climatology

Geomorphology

Statistical Geography

Geography of Pakistan

Regional Planning and Development

Regional Study of Australia

Map Work , Cartography, Surveying

September 2003 – September 2005

PERSONAL SKILLS

Mother tongue(s) Punjabi

Other language(s)

UNDERSTANDING

SPEAKING

WRITING

Listening

Reading

Spoken interaction

Spoken production

English

C1/2 Proficient user

C1/2 Proficient user

C1/2 Proficient user

C1/2 Proficient user

C1/2 Proficient user

IELTS 6.0 Bands.

Urdu

C1/2 Proficient user

C1/2 Proficient user

C1/2 Proficient user

C1/2 Proficient user

C1/2 Proficient user

Chinese Mandarin

A ½ (HSK2)

A ½ (HSK2)

A ½ (HSK2) A ½

(HSK2) A ½ (HSK2)

(HSK2) A ½ (HSK2)

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Computer skills

- 1) Expert user of Arc GIS 9X,10X
- 2) Expert user of ENVI, Erdas Imagine 9x,11X, 14X, 15X
- 3) Good Command on Auto CAD
- 4) Good Command on Global Mapper
- 5) Expert user of Google Earth
- 6) Expert user of GPS, Theodolite, Automatic Level and Total Station
- 7) Good Command on MS Office, (Word, Excel, Power Point), Inpage, SPSS, STATA

Diplomas and Certificates

PGD in GIS from PIMS Peshawar (March 2008 - February 2009).
Auto CAD from PIC –IT Lahore (August 2006 - November 2006).
Surveying from PTTC Lahore (April 2005 - September 2005).

Administrative Charge

Departmental MS Program Coordinator
Departmental Student Advisor (MS Program)
In-charge GIS and Geomatics Lab,
Departmental Sports Coordinator
Advisor Garret Geographical Society,
Member Departmental and university Admission Committee for Geography, GIS&RS, DRM
Member, Departmental Board of Studies Committee
Member, Departmental Academic Committee
Member, Departmental Research Advisory Committee

ADDITIONAL INFORMATION

Supervision MS Thesis

1. Analysis of Industrial development in Lahore with GIS perspective: A case study of Raiwind Road and Multan Road Lahore
2. A GIS based analysis & Risk Assessment of residents near chemical industries in Lahore Metropolitan Area
3. Spatial and temporal variability in soils of Lahore Metropolitan
4. Impacts of climate change on agricultural production. A case study of tehsil Alipur, District Muzaffargarh, Pakistan
5. Environmental assessment and analysis of potable water quality in and around Lahore metropolitan using Geo-spatial Techniques
6. Assessment of constrained opportunities in socioeconomic dynamics of slums of Gulberg Lahore using Geo-spatial techniques
7. Spatio-temporal analysis of seismic events in Pakistan and ERPP for Islamabad
8. Evaluation of water quality in Rawal Lake using Geographic Information Technologies
9. Geospatial Analysis of Urban Crimes In Saddar Division, District Lahore, Pakistan.
10. Assessing and Forecasting of Urban Floods in Nullah Lai Basin Using Hydrological Modelling.

Publications in Journals and
Conference Proceedings

- 1) Spatial Dynamics of Flood Hazard and Vulnerability: A Geostatistical and Google Earth Engine Approach in Eastern Kasur, Pakistan. *IJIST*, Vol.8, Issue.1, pp382-405, February 13, 2026.
- 2) Flood Vulnerability and social resilience of residents along river Ravi in Lahore. *Pakistan Geographical Review*, Vol. 80, No. 2, December. 2025, PP 92-108.
- 3) Spatial Analysis of Poverty Localization in Pakistan: Implications for Sustainable Development Policies. *Journal of Economic Sciences*. Vol 4, Issue (2). <https://doi.org/10.55603/jes.v4i2.a4> , Published on 09/09/2025.
- 4) Impact of special economic zones on socioeconomics and local development in Pakistan: Evidence from Allama Iqbal Special Economic Zone, Faisalabad. *PLoS ONE* 19(11): e0310488. <https://doi.org/10.1371/journal.pone.0310488> . November 14, 2024. <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0310488>
- 5) Geographical Spread Analysis of Terrorist Attacks in Pakistan. *GeoJournal*. Published online on 24-04-2023. <https://doi.org/10.1007/s10708-023-10885-8> <https://link.springer.com/article/10.1007/s10708-023-10885-8>
- 6) Assessment of Long-Term Rainfall Variability and Trends Using Observed and Satellite Data in Central Punjab, Pakistan. *Atmosphere* **2023**, 14(1), 60; <https://doi.org/10.3390/atmos14010060>. Received: 11 November 2022 / Revised: 22 December 2022 / Accepted: 23 December 2022 / Published: 28 December 2022. This article belongs to the Special Issue Hydroclimate in a Changing World: Recent Trends, Current Progress and Future Directions
- 7) Application of SWAT model to assess climate and landuse/cover changes in impact on water balance components of the Kabul River Basin, Afghanistan. *Journal of Water and Climate Change* (2022) 13 (11): 3977–3999. <https://doi.org/10.2166/wcc.2022.261> Accepted on 28-10-2022. Published on November 8, 2022. <https://iwaponline.com/jwcc/article/13/11/3977/91874/Application-of-the-SWAT-model-to-assess-climate?searchresult=1>
- 8) Spatial analysis of food and nutrition security in Pakistan: a holistic pathway towards zero hunger policies. *GeoJournal* <https://doi.org/10.1007/s10708-022-10762-w>. Published online on September 30, 2022.
- 9) Geospatial Modelling & Analysis of Suicide Attacks In Pakistan. *Journal of Islamic Countries Society of Statistical Sciences (J-ISOSS)*, 2022 Vol. 8(1), 327-360. http://www.joi.isoss.net/PDFs/Vol-8-no-1-2022/25_J_ISOSS_8_1.pdf
- 10) Spatiotemporal Investigation of Soil Salinity Using Geospatial Techniques: A Case Study of Tehsil Toba Tek Singh. *COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS*. Vol. 53, Issue 15, Pages: 1960-1978 <https://doi.org/10.1080/00103624.2022.2070189>. Published online: 27 April 2022
- 11) Investigating social development inequality among steel industry workers in Pakistan: A contribution to social development policies. *PLoS ONE* 16(6): e0253082. <https://doi.org/10.1371/journal.pone.0253082>. Published: June 10, 2021.
- 12) Multidimensional Poverty Mapping for Rural Pakistan, 1st International Conference on Business, Economics, & Education Management – ICBEM Organized by Institute of Business Administration Sukkur, December 15-16, 2016. Online at <https://mpira.ub.uni-muenchen.de/85022/> MPRA Paper No. 85022, posted 8 March 2018 11:45 UTC
- 13) Environmental Disaster Assessment Using Geospatial Techniques for Hunza-Nagar District, Gilgit-Baltistan, Pakistan. *Sci.Int. (Lahore)*, Volume 28 Issue (6), Pp 5319-5328, 2016. ISSN 1013-5316
- 14) Spatial and Temporal Investigation of Multidimensional Poverty in rural Pakistan. *Poverty and Public Policy, A Global Journal of Social Security, Income, Aid and welfare*. (1944-2858). Policy Studies Organization, June 10, 2015, vol.7. Issue 2, pp 158-175. <http://onlinelibrary.wiley.com/doi/10.1002/pop4.99/abstract>
- 15) Land Pattern Study over the time of Islamabad using Remote Sensing & GIS. *International Conference of GIS Users, Taza GIS Days, MAY 23-24, 2012. Proceeding Book (pp 183-189)*
- 16) Soil Salinity Assessment in Toba Tek Singh using Remote Sensing & GIS. *International Conference of GIS Users, Taza GIS Days, MAY 23-24, 2012. Proceeding Book (pp 479-483)*.

Training Seminars

One day Traing Workshop on "R Software for Statistical Analysis" on 27-01-2026 at GC University Lahore

One day Traing on CPR & Bleeding control by Punjab Emergency services Department Rescue 1122 on 25-04-2025 at Geography department GC University Lahore Kala shah Kaku Campus.

One-day workshop on "Intellectual Property Rights focused on Patent Writing/Drafting and submission".on Wednesday October 9, 2024 at GOVERNMENT COLLEGE UNIVERSITY (GCU), Lahore,Pakistan.

One-day workshop on "Citation Management Using Endnote Software" on thursday May 23rd 2024 at GOVERNMENT COLLEGE UNIVERSITY (GCU), Lahore,Pakistan.

Participated in a Two-days training workshop on "Training of Presiding Officers and Senior Assistant Presiding Officers for General Elections, Punjab 2024" (January 17-18) as Presiding Officer, Organized by Election Commission of Pakistan.

Participated in a Two-days training workshop on " Risk Informed Spatial Planning in Practice" (Dec 05-06, 2023), Organized by NDMA with collaboration of Federal Institute for geosciences and natural Resources (BGR), Germany.

Participated in Three-day Faculty Development Program (FDP) on " Advancing Teaching Excellence: Strategies for Effective Higher Education Instruction and Professional Development" for the faculty members serving at public sector universities in Punjab, Organized by Punjab Higher Education Commission , Lahore from July 24-26, 2023 at Information Technology University, Arfa Software Technology Park, 346-B Ferozepur road, Lahore.

Participated in a one-day Training workshop on the latest insights and strategies to enhance the efficiency and effectiveness of admission procedures at GCU Lahore. Organized by GCU Lahore on 21-07-2023.

Participated in 10 days training workshop on "Advanced Teaching and Learning Programme 2023" conducted by GC University Lahore, Pakistan from 17-07-2023 to 09-08-2023.

Participated in a one-day training workshop on Plagiarism checking and Turnitin. conducted by Quality Enhancement Cell (QEC), GC University Lahore, Pakistan on 13-07-2023.

Participated in a Two-days training workshop on "Training of Presiding Officers and Senior Assistant Presiding Officers for General Elections, Punjab 2023" (April 28-29) as Presiding Officer, Organized by Election Commission of Pakistan.

Participated in Webinar "Web of Science author profile" webinar on April 27th, 2023 from 9 am to 10:30 am (GMT) via Webex conducted by Clarivate.

Participated in a one-day training workshop on "Citation and Literature Management using Mendeley Software" held on (24th October 2022) Organized by Government College University (GCU) Lahore. Pakistan.

Participated in a Three-days training workshop on "GIS Mapping through Drone Technology" (11-13 April 2018)
Organized by the Department of Geography, Government College University (GCU) Lahore. Pakistan.

Participated in a one-day training workshop on "Training of Presiding Officers and Senior Assistant Presiding Officers Local Government Elections, Punjab 2015" (19th October 2015) as Presiding Officer, Organized by the Election Commission of Pakistan.

Participated in Four days training workshop on Cascading Master Trainers Faculty Professional Development Program (12th-15th October 2015) Organized by Quality Enhancement Cell, Government College University (GCU) Lahore. Pakistan

Participated in two days training workshop on Remote Sensing (5th-6th October 2015) Organized by the Department of Geography, Government College University (GCU) Lahore. Pakistan.

Participated in two days training workshop on "Remote Sensing and Digital Image Processing for Precision Agriculture" (26-27, August, 2015) conducted by US-Pakistan Centre for Advanced Studies in Agriculture and Food Security. University of Agriculture, Faisalabad, Pakistan.

Participated in Five Days Training Workshop on Indigenous on Campus Training (IOT) under Modern University Governance Program (MUGP) (May 25-29, -2015) conducted by Quality Enhancement Cell (QEC), Government College University (GCU) Lahore in collaboration with Learning Innovation Division (LID), Higher Education Commission (HEC) Pakistan.

Participated in Five Days Training Workshop on Disaster Preparedness and Response (January 05-09, 2015) conducted by UNOCHA, NIDM, NDMA and PDMA in Lahore, Pakistan

Participated in Two Days Training Workshop on Disaster Risk Reduction (Oct 04-05, 2012) conducted by iMMAP in Bahawalpur, Pakistan.

Participated in one Day Training Workshop on Disaster Risk Reduction (03- 07-2012) conducted by iMMAP in Sukkur, Pakistan.

Participated as resource person in National Training Workshop on GIS/GPS application in epidemiology of human & animal diseases and in biological science research. (Nov 28 – Dec 02, 2011) Held by University of Veterinary and Animal Sciences Lahore.