

Curriculum Vitae

Dr. Samiullah,

Assistant Professor

MSc Geography; MSc Urban and Regional Planning

MPhil (Geography of Housing);

Post-Graduate Dip (Geomatics GIS/RS)

PhD (Urban Geography);

Department of Geography

University of Peshawar, Pakistan

And

Visiting faculty at:

- Centre for Disaster Preparedness & Management, University of Peshawar, Pakistan
- National Centre of Excellence in Geology University of Peshawar
- Riphah International University Rawalpindi-Pakistan
- University of Engineering and Technology, Peshawar
- Allama Iqbal Open University, Islamabad

E-mail: samigeo78@uop.edu.pk

Phone office: (+92)-91-9221033

Mobile: (+92)-345-942-9484

FAX: (+92)-91-9216470



Hydrologist Sindh Peoples Housing for Flood Affectees (SPHF)

Worked as Hydrologist in the above mentioned project. This project aims to assess the vulnerability of targeted areas to climate change induced riverine and flash floods. The focus is in implementing preventive measures to protect these areas, thereby reducing the risks associated with future flood occurrences, such as the one experienced in 2022. I was responsible to perform the tasks related to vulnerability analysis, identify DRR measures and explore rainwater harvesting solutions.

Food and Agriculture Organization (FAO)

Served as national consultant (GIS Expert) (Index No. 3103019 Under Project: **TCP/PAK/3905**) from August, 2023 to 30 June 2022: The project aims at identifying suitable sites for cultivation of tea using modern tools like GIS and Remote sensing. As a GIS expert I have carried out extensive analysis of GIS and RS to identify suitable sites keeping in view the selected criteria. In this project we have so far identified about 60,000 hectares of suitable land in three districts of Khyber Pakhtunkhwa.

UN-Habitat: Development of DRR plan for the District Dadu flood affected area Meher Garh:

Detailed report of climate resilient plan for Deh Kamangarh, Sindh was submitted to the UN-Habitat that included vulnerability analysis, contour mapping, hydrological modeling using HEC-RAS model both for flash flood and riverine flood. New sites were identified where settlements could be located. Besides, certain DRR strategies were proposed to safeguard the existing settlements from the high level of future floods.

UN-Habitat Training of the stakeholders for property rights in Pakistan

Training of the stakeholders for the UN-Habitat was arranged from July 21 to 25, 2022 at Serena, Islamabad. The training included in-depth information about property rights in Pakistan. The participants were trained how GIS can be used for the evaluation of property rights in Pakistan. Hands on exercise were carried out during the training.

Address Residence:

Village; Surizai Payan Mohallah Piran, Peshawar-Pakistan

Personal data

Nationality:	Pakistani
Place of Birth:	Peshawar-Pakistan
Date of Birth:	January 01, 1972

Professional Experience in Teaching and Research

2015 to Date	Assistant Professor, Department of Geography, University of Peshawar-Pakistan
2002 – 2015	Assistant Professor Higher Education Department, Khyber Pakhtunkhwa-Pakistan
2001 - 2002	Lecturer, Department of Geography, Urban and Regional Planning, University of Peshawar-Pakistan
1996-1997	One year in Pak-German project, Culture area Karakorum as a research Investigator.

Academic Qualifications

2007-2012	Ph.D (Urban Geography), University of Peshawar-Pakistan
2007-2008	Post-Graduate diploma in GIS/RS, University of Peshawar-Pakistan
2002-2006	M.Phil. (Geography of Housing), University of Peshawar-Pakistan
2007-2008	Bachelor of Education, University of Peshawar-Pakistan
1996-1998	M.Sc Urban & Regional Planning (Distinction), University of Peshawar-Pakistan
1994-1995	M.Sc. Geography, (Distinction), University of Peshawar-Pakistan
1991-1993	B.Sc. (Biology, Chemistry, Geography), University of Peshawar-Pakistan
1988-1990	F.Sc. Board of Intermediate and Secondary Education, Peshawar-Pakistan
1987-1988	Matric, Board of Intermediate and Secondary Education, Peshawar-Pakistan

Additional Qualification and Trainings

2017	Training workshop on new techniques and approaches to Disaster management organized by Chinese Academy of Science at Saniya, China.
2011	Training Workshop on “Disaster Risk Management” Organized by National Institute of Disaster Management with the collaboration of Centre for Disaster Preparedness & Management, University of Peshawar-Pakistan

- | | |
|------|---|
| 2010 | Workshop on “Curriculum Development for Disaster Preparedness and Management” Organized by Inter cooperation, Swiss Organization at Museum of Archeology and Ethnology, University of Peshawar-Pakistan |
| 2009 | Five day workshop on Geo-informatics for Disaster Management |
| 2009 | Two-day Training Workshop on “Curriculum Orientation and Hands-on for Writers” Organized by the Khyber Pakhtunkhwa Text Book Board, Peshawar-Pakistan |
| 2007 | Four-Day Training Course on “Natural Resource Management through Community Participation”, Pakistan Academy for Rural Development and Administration, Peshawar-Pakistan |
| 2007 | Five-Day Training Course on “GIS and Remote Sensing as a Decision Support Tool”, Pakistan Academy for Rural Development and Administration, Peshawar-Pakistan |
| 2007 | Five-Day Training course on “Crisis Management”, Pakistan Academy for Rural Development and Administration, Peshawar-Pakistan |
| 2006 | Training Course on “Digital Cartography”, organized by the Department of Geography, University of Karachi-Pakistan |
| 2006 | Two weeks International Training Workshop on “Multi-hazard Risk Assessment Disaster Preparedness & Management” organized by ICIMOD at NCEG University of Peshawar-Pakistan. |
| 1998 | Certificate course in GIS, Remote Sensing and Human Resource Development organized University Grants Commission-Pakistan |
| 1995 | Certificate in surveying, Survey of Pakistan, Islamabad-Pakistan |
| 1994 | Certificate of Teaching Course, Registrar office, Peshawar-Pakistan |

Title of Ph.D. Thesis

Expansion of built up area and its impact on urban agriculture: A case study of Peshawar City District-Pakistan

Title of M.Phil Thesis

Availability of suitable land for low-income housing in capital city district, Peshawar-Pakistan

Title of M.Sc (Urban & Regional Planning) Thesis

Urban sprawl in eastern part of Peshawar city-Pakistan

Title of MSc (Geography) Thesis

Socio-Economic and Land Use Study of Mouza Chughalpura, Peshawar-Pakistan

Specialization

Urban Geography, climatology and climate change, Disaster Risk Reduction, Environmental Impact Assessment, GIS and Remote Sensing, Applied Geomorphology, Urban & Regional Planning, Environmental Geography

Courses Taught:

Application of GIS and Remote Sensing in Disaster Preparedness & Management

Community Based Disaster Risk Management

Techniques of Hazard Mapping

Hydro meteorological Disasters

Disaster Risk Management

Visiting faculty at Riphah International University Islamabad

Courses Taught: Community Based Disaster Risk Management

Application of GIS and Remote Sensing in Disaster Preparedness & Management

Climate Change and GIS

Disaster Risk Management

Disaster Management Concept and Perspectives

Human Resource Development for Disaster

Visiting Faculty at the Institute of Urban Infrastructure Planning, University and Technology, Peshawar-Pakistan

Courses Taught:

Application of GIS and Remote Sensing in Urban infrastructure Planning

Census Data analysis and Policy Making

Urbanization and Urban Sprawl

Urban Housing

Utilities and Urban Infrastructure Planning

Urban and Regional Planning

Urban Land and Real Estate Market

Professional Experience in Administration

- 2015 to Date Coordinator, B.S Geomatics (GIS/Remote Sensing) and B.S Geography Programme, Department of Geography, University of Peshawar-Pakistan
- February 2019 to date Zone Coordinator undergraduate programme, Shaikh Taimur Academic Block University of Peshawar.

Academic and Research Responsibilities

Designing Research Projects; Supervising Research Projects; Designing Advanced Studies Courses; Conducting Field Work; Secretary of the Conferences/Workshops/Exhibition; Teaching to MSc Geography, MSc. Urban and Regional Planning, MPhil Geography/Urban and Regional Planning, PhD Geography/Urban and Regional Planning; Supervising Research of MSc/B.S

Geography, B.S Geomatics, MPhil Geography/Urban and Regional Planning, PhD Geography/Urban and Regional Planning.

MPhil/MS Thesis: External Examiner

- NCEG University of Peshawar-Pakistan
- CDPM University of Peshawar-Pakistan
- Riphah International University Islamabad
- Bacha Khan University, Charsadda
- Area Study Center University of Peshawar
- University of Gujrat, Punjab-Pakistan

MS Thesis: Evaluated

Reviewer of Research Journals

Journal of Himalayan Earth Sciences, Pakistan

Journal of Basic and Applied Sciences, Pakistan

Environmental Monitoring and Assessment (EMAS), Springer

Environmental Earth Sciences (ENGE), Springer

Journal of Science and Technology, Pakistan

Pakistan Journal of Geography

Pakistan Geographical Review

Proceedings Pakistan Academy of Sciences

Journal Natural Hazards

Conference/Workshop/Symposium/Exhibition Organized

- 2023 Implications of climate change on water and agriculture, June 16-19 2023 this conference was organized in the capacity of Conference Secretary.
- 2021 Nexus of Climate Change, Hydro-Geography and Agriculture June 19-24 2021, Participated as member and paper presenter
- 2019 Member and resource person of workshop on “Advanced Research Methods and Materials-2019” from 7-11 July, 2019 at Baragali Summer Campus.
- 2014 Member of the organizing Committee, 6th CDPM-Disaster Management Exhibition-2012, from December 3-4, 2014, at the Center for Disaster Preparedness & Management, University of Peshawar-Pakistan
- 2013 Member of the organizing Committee, 5th CDPM-Disaster Management Exhibition-2012, from November 20-21, 2013, at the Center for Disaster Preparedness & Management, University of Peshawar-Pakistan
- 2012 Member of the organizing Committee, 4th CDPM-Disaster Management Exhibition-2012, from November 07-08, 2012, at the Center for Disaster Preparedness & Management, University of Peshawar-Pakistan
- 2011 Member of the organizing Committee, 3rd CDPM-Disaster Management Exhibition-2011, from April 20-21, 2011, at the Center for Disaster Preparedness & Management, University of Peshawar-Pakistan
- 2009 Member of the organizing Committee, Training Workshop on Disaster Risk Reduction, organized for the staff of Norwegian Refugees Council (NRC), from Oct. 30 – Nov. 02, 2009, at CDPM, University of Peshawar-Pakistan
- 2009 Member of the organizing Committee, International Disaster Management Conference (IDMC-2009), on “Integrating Disaster Management and Climate Change Adaptation into Policy Making” October 15 - 17, 2009, at Baragali Summer Campus, University of Peshawar-Pakistan
- 2008 Member of the organizing Committee, National Training Workshop on the “Application of Geographic Information Technology in Geography” for college Teachers, from June 24 to 26, 2008, at Bara Gali Summer Campus, University of Peshawar-Pakistan
- 2005 Member of the organizing Committee, international seminar on “Trends and prospects of higher education in Pakistan” August 2005 at Bara Gali Summer Campus, University of Peshawar-Pakistan,

- 2005 Member of the organizing Committee, National Workshop on “Sustainable use of water resources in Pakistan”, organized by the Department of Geography, Urban & Regional Planning, University of Peshawar, from July 11-15, 2005, at Bara Gali Summer Camp, University of Peshawar-Pakistan
- 2004 Member of the organizing Committee, Workshop on “Research Methodology” organized by the Department of Geography, Urban & Regional Planning, University of Peshawar, from July 3- 7, 2004, at Bara Gali Summer Campus, University of Peshawar-Pakistan
- 2003 Member of the organizing Committee, National Conference on “Prospects and Problems of Mountain Systems of Pakistan” in collaboration with Higher Education Commission, Islamabad from August 2-6, 2003, at Bara Gali Summer Campus, University of Peshawar-Pakistan
- 2002 Member of the organizing Committee, Workshop on “Modern Tools and Techniques” in Geography, for College Teachers held in Collaboration with Higher Education Commission (HEC), Islamabad and Directorate of Colleges, Khyber Pakhtunkhwa from June 18-23, 2002, at the Department of Geography, Urban and Regional Planning, University of Peshawar-Pakistan

National conferences/workshops/Exhibition attended as a Resource Person

- 2016 National Disaster Awareness Day-2016 presentation delivered on “Climate Change and DRR practices in Pakistan” on Wednesday, October 26th, 2016 at Disaster Management Centre, Rawalpindi organized by Al-Khidmat Foundation, Pakistan
- 2016 3-Day Training workshop on “GIS and Remote Sensing” delivered a lecture on “Application of Remote sensing and GIS in Urban and Regional Planning” organized by Urban Policy and planning Unit, Peshawar from September 20 to 22, 2016 at Pakistan Academy for Rural Development, Peshawar
- 2016 World Space week seminar on “Remote Sensing Enabling Our Future” delivered a lecture on “Remote sensing and urban growth” organized by Space and Upper Atmospheric Research Commission and University of Engineering and Technology Peshawar scheduled on October 17, 2016
- 2016 Training workshop on “Disaster Management” organized by Pakistan academy for rural development, Peshawar Five-Day Training Course on “Disaster Management” February 22-26, 2016
- 2015 Participated in national workshop on curriculum development organized by GIZ Germany, held at Islamabad Inn, Islamabad-Pakistan.
- 2014 6th Disaster Management Exhibition-2014 Organized by Centre for Disaster Preparedness and Management, University of Peshawar

- 2014 Participated as resource person in Training of the trainers for Geography teachers in Education Department organized by GIZ-Germany at Khyber Pakhtunkhwa Text Book Board Peshawar-Pakistan.
- 2014 Participated as resource person in Training of the trainers for Geography teachers in Education Department organized by GIZ-Germany held at Department of curriculum development Abbottabad-Pakistan
- 2013 14th All Geographical Conference on “Geography: Hazards and Disaster Risk Management” organized by the Department of Geography, University of Punjab, Lahore from March 5th to 7th, 2013 at Lahore
- 2010 DISASTER MANAGEMENT EXHIBITION – June 08-09, 2010 organized by the Centre for Disaster Preparedness and Management, University of Peshawar
- 2009 CDPM - DISASTER MANAGEMENT CONFERENCE – 2009 “On Integrating Disaster Management into Policy Making” organized by the Centre for Disaster Preparedness and Management, University of Peshawar – held from Oct 15-17, 2009 at Bara Gali Campus University of Peshawar –Pakistan
- 2007 A research paper presented under a title of “Availability of suitable land for Low income housing in Peshawar city district, Pakistan”, presented in the 12th All Pakistan Geographical Conference held in Lahore, 19-21 March, 2007
- 2005 A research paper presented in the National Workshop on “sustainable use of water resources” at Bara Gali Summer Campus, University of Peshawar, July 2005
- 2004 A research paper presented in the Two day National workshop on “Urban sprawl: Its impact on rural development” Organized by the Pakistan Academy for Rural Development, Peshawar, December 2004
- 1996 A research paper under a title of: A Geographical study of Kharmang Valley, Baltistan. Presented in the 8th all Pakistan Geographical conference held at University of Peshawar 1996.

Research Projects completed

Research Project	Company	URBAN POLICY UNIT
	Title	Making of master plans for four merged districts
	Tenure	January 2022 to march 2023
	Description	The project was aimed at making master plans for the merged districts incorporating the set criteria for a city plan. The plans were based on multi-criteria analysis for various land use classes using GIS and remote sensing applications.
Research Project	Company	MINISTRY OF ENVIRONMENT, ISLAMABAD-PAKISTAN
	Title	Environmental Atlas of Pakistan
	Tenure	JUNE 2013-DECEMBER 2015
	Description	Giving an insight into the physical environment including their impacts on economic development of the country. It also gives a detailed outlook into all aspects of environment like water resources, Urban issues climate change and disasters in Pakistan.
Research Project	Company	EXCISE AND TAXATION DEPTMENT KHYBER PAKHTUNKHWA-PAKISTAN
	Title	Computerization of property record in Khyber Pakhtunkhwa-Pakistan.
	Role	Project Coordinator
	Tenure	October 2014 to December 2015
	Description	1. To conduct surveys about land owners of the houses. 2. To make an inventory of the available land use and property rights by digitizing parcels to help excise and taxation office for collection of tax.
Research Project	Company	UNIVERSITY OF PESHAWAR
	Title	Urban sprawl and its impacts on farmland in Peshawar city district, Pakistan
	Role	Co-principal investigator
	Tenure	02-07-2010 To 25-10-2012
	Description	The main objective of the research project was to find out the spatiotemporal growth of built-up environment on the farmland and its impact on the agricultural resources of Peshawar city district.
Research Project	Company	Food and Agriculture Organization
	Title	Suitability analysis for Tea Cultivation in Khyber Pakhtunkhwa
	Role	National Consultant (GIS Expert)
	Description	FAO seeks to help the government of Pakistan to find suitable sites based on multi criteria for tea estates development.
	Duration	August 2023 to December 2024
Research Project	Company	UN-Habitat
	Title	Development of Flood Vulnerability Plan for Kamangar Area, Sindh
	Role	GIS Expert
	Description	UN-Habitat plans to help Sindh government to carry out the vulnerability analysis of the flood affected areas. The projects further

		tries to make climate resilient master plan which will serve as a model to be replicated in other parts of the country.
	Duration	August 2023 to January 2024
Research Project	Company	UN-Habitat
	Title	Development of Flood Vulnerability Plan for Thatta, Sujjawal, Badin and Tharparker, Sindh
	Role	GIS Expert
	Description	UN-Habitat plans to help Sindh government to carry out the vulnerability analysis of the flood affected areas. The projects further tries to make climate resilient master plan which will serve as a model to be replicated in other parts of the country.
	Duration	August 2024 to August 2025

Research Work Completed

2017	Potential Groundwater Recharge Sites Identification in a Semi-Arid Region of Pakistan Using Saaty's Analytical Hierarchical Process (AHP)
2017	Impacts of Operation Zarb-e-Azb on Spatio-temporal Distribution of Terrorist incidents in Khyber Pakhtunkhwa
2014	Research work titled "Impacts of climate change on runoff in the drainage basin of river Swat, Hindukush region" completed from University of Peshawar-Pakistan
2009	Research project titled: Environmental impacts of CRBC on the land use and agricultural resources of D.I.Khan district, NWFP. Completed for University of Peshawar, Peshawar
2006	"Land use change detection using multi-temporal satellite images: A case study of D.I.Khan district, Pakistan". Completed for the fulfillment of Post-graduate Diploma in GIS/Remote Sensing
1997	"Local Plan of Peshawar University Campus", completed under the supervision of Prof. Dr. Amir Khan, Department of Geography, Urban and Regional Planning, University of Peshawar.
1997	"Regional Plan for P.F-7 completed under the supervision of Prof. Dr. Amir Khan, Department of Geography, Urban and Regional Planning, University of Peshawar.
1995	"A socio-economic and land use study of Mouza Chughalpura", completed in M.Sc. (final) Geography under supervision of Prof. Israr ud Din, Department of Geography, Urban and Regional Planning, University of Peshawar.
1995	"A Geographical Study of Kharmang Valley, Baltistan, Northern Areas" (1995), completed under the supervision of Prof. Israr-ud-Din (Chairman), Department of Geography, Urban and Regional Planning, University of Peshawar

Monographs/ Books Published

- Mahmood, S., Samiullah, Atiq, A., & Khan, A. R. (2023). Socio-Economic Effects of War Against Terror-Induced Displacement on Host Communities in District Kohat, Pakistan. In *Rebuilding Communities After Displacement: Sustainable and Resilience Approaches* (pp. 365-378). Cham: Springer International Publishing.
- Samiullah (2016). Textbook of Pakistan Studies class IX for Azad Jammu and Kashmir Textbook Board, Muzaffarabad-Azad Kashmir
- Samiullah (2015). Textbook of Pakistan Studies class X for Azad Jammu and Kashmir Textbook Board, Muzaffarabad-Azad Kashmir
- Aslam M.A, Samiullah (2015). Environmental Atlas of Pakistan. Ministry of Environment Government of Pakistan, Islamabad.

International Research Journal Publications

- Rahman, H. U., Ding, H., Wang, G., Ullah, S., & Khan, A. (2025). Impacts of Spatio-temporal land use land cover changes on the Development of Urban Heat Islands in a Diverse Topographic Region of District Nowshera, Pakistan. *International Journal of Engineering and Geosciences*, 11(2), 363-374. **(IF: 2.98)**
- Shahid, I., K, Samiullah & Venturi, L. A. B. (2025). Spatial Analysis of Land Use/Land Cover Changes in Mardan, Pakistan: A Decadal Study Using GIS and Remote Sensing. *Social Science Review Archives*, 3(3), 944-954.
- Muhammad Nasir, **Samiullah**, Shahid Iqbal, Khalid Hussain, Yasir Muhammad, Sardar Muzaffar Hussain Zahid (2024). Impact of Land Use/Land Cover Change on Rural Livelihood of Upper Swat, Pakistan. *Remittances Review*, 9 (S2), 893-908
- Muhammad Nasir, **Samiullah**, Atta Ur Rahman, Farooq Shah, Zahid Ali, Shahid Iqbal (2024). Unveiling The Evolving Dynamics of Mountain Pastoralism at Various Altitudinal Zones of Upper Swat Valley, Pakistan. *Migration Letters*. 21(S11), 56-71 **(IF: 0.47)**
- Neelum Ali1, Kalsoom, Sardar Khan, Gang Li, Muhammad Ali Shahla Nazneen, Liaqat Ali, Yaying Li, **Samiullah**, Ihsanullah (2023). Exposure to multiple pesticides in drinking water and potential health risks: a case study of selected districts from Khyber Pakhtunkhwa Province, Pakistan. *Environmental Earth Sciences*, 82, 460 **(IF: 3.18)**
- Ullah, W., Karim, A., **Ullah, S.**, Rahman, A. U., Bibi, T., Wang, G., ... & Hussain, A (2023). An increasing trend in daily monsoon precipitation extreme indices over Pakistan and its relationship with atmospheric circulations. *Frontiers in Environmental Science*, 11, 1228817. **(IF: 5.411)**

- Mahmood, S., Ghulam, R., Mayo, S. M., & **SamiUllah**. (2022). Hotspot analysis of urban crimes in Data Ganj Bakhsh Town, Lahore, Pakistan. *Crime Prevention and Community Safety*, 24(4), 342-357. **(IF: 1.32)**
- Khan, I., Ali, A., Waqas, T., **Ullah, S.**, Ullah, S., Shah, A. A., & Imran, S. (2022). Investing in disaster relief and recovery: A reactive approach of disaster management in Pakistan. *International Journal of Disaster Risk Reduction*, 75, 102975. **(IF: 5.5)**
- Khan, A., **Samiullah** & Ayub, M. (2022). Impact of soil sealing on the genesis of pluvial flood in Peshawar, Pakistan. *Arabian Journal of Geosciences*, 15(7), 1-15. **(IF: 1.87)**
- Suliman, M., **Samiullah**, K., & Ali, M. (2022). Identification of potential groundwater recharge sites in a semi-arid region of Pakistan using Saaty's Analytical Hierarchical Process (AHP). *Geomatics and Environmental Engineering*, 16(1). **(IF: 1.02)**
- Saeed, M., Li, H., **Ullah, S.**, Rahman, A. U., Ali, A., Khan, R., ... & Alam, S. (2021). Flood Hazard Zonation Using an Artificial Neural Network Model: A Case Study of Kabul River Basin, Pakistan. *Sustainability*, 13(24), 13953. **(IF: 3.889)**
- Rahman, G., Rahman, A. U., **Ullah, S.**, Dawood, M., Moazzam, M. F. U., & Lee, B. G. (2021). Spatio-temporal characteristics of meteorological drought in Khyber Pakhtunkhwa, Pakistan. *PloS one*, 16(4), e0249718. **(IF: 3.752)**
- Ullah, W., Guojie, W., Lou, D., Ullah, S., Bhatti, A. S., **Ullah, S.**, ... & Ali, G. (2021). Large-scale atmospheric circulation patterns associated with extreme monsoon precipitation in Pakistan during 1981–2018. *Atmospheric Research*, 105489. **(IF: 5.965)**
- Shehla Gul, Atta-ur-Rahman, **Samiullah** and Rafiq Ali Khan (2020). Comparing the agenda setting role of the Pakistani and Indian newspapers in disasters: a case study of the 2005 Kashmir earthquake. *Erdkunde*. 74(4); 301-316 **(IF: 1.139)**
- Khan, I., Waqas, T., **Samiullah**, & Ullah, S. (2020). Precipitation variability and its trend detection for monitoring of drought hazard in northern mountainous region of Pakistan. *Arabian Journal of Geosciences*, 13, 1-18.. **(IF: 1.140)**
- Waleed, M., Ahmad, S. R., Javed, M. A., & **Samiullah**, S. (2020). Identification of irrigation potential areas, using multi-criteria analysis in Khyber District, Pakistan. *Environmental Science and Pollution Research*, 27, 39832-39840. **(IF: 5.19)**
- Dawood, M., Rahman, A. U., **Ullah, S.**, Mahmood, S., Rahman, G., & Azam, K. (2020). Spatio-statistical analysis of rainfall fluctuation, anomaly and trend in the Hindu Kush region using ARIMA approach. *Natural Hazards*, 101, 449-464. **(IF 3.158)**
- Samiullah**, Khan M.A, Rahman. A, Mehmud. S (2019). Evaluation of Urban Encroachment on Farmland: A Threat to Urban Agriculture in Peshawar City District, Pakistan. *Erdkunde*. 73(2); 127-142 **(IF: 1.24)**

Rahman, G., Rahman, A. U., **Ullah, S.**, Miandad, M., & Collins, A. E. (2019). Spatial analysis of landslide susceptibility using failure rate approach in the Hindu Kush region, Pakistan. *Journal of Earth System Science*, 128(3), 59. **(FI: 1.912)**

Rahman, G., Samiullah, & Dawood, M. (2018). Spatial and temporal variation of rainfall and drought in Khyber Pakhtunkhwa Province of Pakistan during 1971–2015. *Arabian Journal of Geosciences*, 11, 1-13. **(IF: 1.140)**

Dawood, M., Rahman, A. U., **Ullah, S.**, Rahman, G., & Azam, K. (2018). Spatio-temporal analysis of temperature variability, trend, and magnitude in the Hindu Kush region using Monte Carlo and Sen's slope approaches. *Arabian Journal of Geosciences*, 11(16), 471. **(IF: 1.140)**

National Research Journal Publications

Khurshid A, Samiullah (2024). Analysis of Drinking Water Quality and Associated Human Health Risks. A Case Study of Rawalpindi- Pakistan. *International journal of Innovations in Science and Technology*. 6(3). 1354-1369.

Samiullah, Khan, M. A., ur Rahman, A., & Gul. (2019). The Impact of Urbanization on Land Use Dynamics in Peshawar City District, Pakistan: A Geoinformatic Approach. *Proceedings of the Pakistan Academy of Sciences: A. Physical and Computational Sciences*, 56(3), 85-100. **(HEC X Category Journal)**

Samiullah, Khan.M.A, Rahman.A, (2018). Spatial and temporal analysis of landholdings and farm fragmentation in Peshawar City District- Pakistan. *Sarhad Journal of Agriculture*. 34 (3), 550-562 **(HEC X Category Journal)**

Samiullah, Shakeel. M, Dawood (2018). Impacts of Operation Zarb-e-Azb on Spatio-temporal Distribution of Terrorist Incidents in Khyber Pakhtunkhwa-Pakistan. *Abasyn Journal of Social Sciences*. 10F(Special Issue), 137-148 **(HEC X Category Journal)**

Khan A, Rahman A. Samiullah, Ali M (2019). Impact of Built environment on groundwater depletion in Peshawar, Pakistan. *Journal of Himalayan Earth Sciences*. 52(1), 86-105 **(HEC X Category Journal)**

Gul. S, **Samiullah, Dawood. (2017).** Media Portrayal of Women during Kashmir Earthquake: A Comparison of Pakistani and Canadian Newspapers. *Abasyn Journal of Social Sciences*. 10(Special Issue), 92-102 **(HEC X Category Journal)**

Ghani Rahman, Atta-ur-Rahman, **Samiullah**, and Andrew E. Collins (2017). Geospatial Analysis of Landslide Susceptibility and Zonation in Shahpur Valley, Eastern Hindu Kush using Frequency Ratio Model. *Proceedings of the Pakistan Academy of Sciences: B. Life and Environmental Sciences* 54 (3): 149–163. **(HEC X Category Journal)**

Samiullah, Rahman A, Shah SAA, Khan S, Khan Z. (2016). Identification of suitable sites for solid waste disposal using GIS multi-criteria analysis in Peshawar, Pakistan. *Proceedings of the Pakistan Academy of Sciences: B. Life and Environmental Sciences*, 53(4): 309-321 **(HEC X Category Journal)**

Rahman A, Khan AN, **Samiullah**, Gul S, Mahmood S. (2016). Impacts Evaluation of Chashma Right Bank Canal on the WaterTable of District Dera Ismail Khan, Pakistan. *Journal of Basic and Applied Sciences*, 12:281-288. **(HEC Y Category Journal)**

Yar P, Rahman A, **Samiullah**, Khan MA, Shah SAA. (2016). Spatio-temporal analysis of urban expansion on farmland and its impact on the Agricultural Land use of Mardan City, Pakistan. *Proceedings of the Pakistan Academy of Sciences: B. Life and Environmental Sciences*, 53(1): 35-46. **(HEC X Category Journal)**

Shah SAA, **Samiullah**, Shah W, Rahman A. (2016). Impact of Terrain Slopes and Aspect on the Natural Regeneration of the Coniferous Forest in the Northern Pakistan- A Case Study of Ayubia National Park. *Proceedings of the Pakistan Academy of Sciences: B. Life and Environmental Sciences*, 53(1): 57-64 **(HEC X Category Journal)**

Khan, M. A., **Samiullah**, S., & Ali, Z. (2012). Dynamics of Urban Spatial Growth and Planning: A Case Study of Peshawar. *Journal of Engineering and Applied Sciences*, 31(2), 1-16 **(HEC X Category Journal)**

Rahman A, **Samiullah**, Khan AN. (2005). Land pooling system: a tool to control unplanned urban growth. *PUTAJ Science*, 12(1): 11-16. **(HEC Y Category Journal)**

Book Chapter/s

Mahmood, S., Samiullah, Atiq, A., & Khan, A. R. (2023). Socio-Economic Effects of War Against Terror-Induced Displacement on Host Communities in District Kohat, Pakistan. In *Rebuilding Communities After Displacement: Sustainable and Resilience Approaches* (pp. 365-378). Cham: Springer International Publishing.

Rahman A, Samiullah. Shaw R. (2017). Fragile Mangroves and Increasing Susceptibility to Coastal Hazards in Pakistan. In *Participatory Mangrove Management in a Changing Climate* (pp. 17-30). Springer, Tokyo.

Rahman A, Khan AN, Shaw R. (2015). Disaster Risk Reduction Approaches in Pakistan. Springer, Tokyo
<http://www.springer.com/earth+sciences+and+geography/natural+hazards/book/978-4-431-55368-7>

Skills in Geo-informatics

Skill Name	Level	Last Used
------------	-------	-----------

GIS software MapInfo (for Teaching and Research)	Excellent	Currently Working
GIS software ArcGIS (for Teaching and Research)	Excellent	Currently Working
GIS software ERDAS imagine (Teaching and Research)	Excellent	Currently Working
GIS software ILWIS (for Teaching and Research)	Excellent	Currently Working

Languages

Language	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Urdu	Excellent	Excellent	Excellent
Pashto	Excellent	Excellent	Excellent
Arabic		Good	Good