

# Curriculum Vitae

## Dr. Samiullah,

*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 University Rawalpindi-Pakistan*
- *University of Engineering and Technology, Peshawar*

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### **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
- 2001-2002 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 NWFP 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 MS (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**

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

**Visiting Faculty**

- Visiting faculty at the Centre for Disaster Preparedness and Management, University of Peshawar-Pakistan
- National Centre of Excellence in Geology University of Peshawar-Pakistan
- Allama Iqbal Open University Regional Campus, Peshawar-Pakistan
- University of Engineering and Technology, Peshawar-Pakistan

**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 of Engineering and Technology, Peshawar-Pakistan**

**Courses Taught:**

Application of GIS and Remote Sensing in Urban infrastructure Planning

Land use Planning and Regulation

Census Data analysis and Policy Making

Urbanization and Urban Sprawl

Urban Housing

Utilities and Urban Infrastructure Planning

Urban and Regional Planning

Urban Land Market 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

### **Academic and Research Responsibilities**





Designing Research Projects; Supervising Research Projects; Designing Advanced Studies Courses; Conducting Field Work; Associate Editor of Pakistan Journal of Geography; Associate Editor Journal of Science and Technology, 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 Geography, MSc. Urban and Regional Planning, 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

### **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**

- 2014 Member of the organizing Committee, 6<sup>th</sup> 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, 5<sup>th</sup> 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, 4<sup>th</sup> 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, 3<sup>rd</sup> 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 26<sup>th</sup>, 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 6<sup>th</sup> 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 14<sup>th</sup> All Geographical Conference on “Geography: Hazards and Disaster Risk Management” organized by the Department of Geography, University of Punjab, Lahore from March 5<sup>th</sup> to 7<sup>th</sup>, 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 12<sup>th</sup> 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 8<sup>th</sup> all Pakistan Geographical conference held at University of Peshawar 1996

### Research Projects completed

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 DEPARTMENT KHYBER PAKHTUNKHWA-PAKISTAN
	Title	Computerization of property record in Khyber Pakhtunkhwa-Pakistan.
	Role	Project Coordinator
	Tenure	October 2014 to December 2015
	Description	<ol style="list-style-type: none"> <li>1. To conduct surveys about land owners of the houses.</li> <li>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.</li> </ol>
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 spatio-temporal growth of built-up environment on the farmland and its impact on the agricultural resources of Mardan district.

### 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. Israrud Din, Department of Geography, Urban and Regional Planning, University of Peshawar.
- 1995 “*A Geographical Study of Kharman 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

#### **MSc Research Supervised**

<b>S#</b>	<b>Title</b>	<b>Year</b>	<b>Research Level</b>
1	Spatial Distribution of terrorism in Khyber Pakhtunkhwa-Pakistan	2015	M.Sc.
2	Spatial Distribution of crimes in Peshawar-Pakistan	2016	M.Sc.
3	Distribution of Marble reserves in Mohmand Agency, FATA-Pakistan	2016	M.Sc.
4	Identification of Groundwater Potential Sites using GIS and RS Techniques in District Lakki Marwat-Pakistan	2016	B.S

### **Monographs/ Books Published**

- 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, G., & Dawood, M., Samiullah (2018). Spatial and temporal variation of rainfall  
and drought in Khyber Pakhtunkhwa Province of Pakistan during 1971–  
2015. *Arabian Journal of Geosciences*, 11(3), 46.
- 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.
- Samiullah, Ahmad.S, Ali.M, Rahman A. (2016) Identification of Groundwater Potential  
Sites using GIS and RS Techniques in District Lakki Marwat-Pakistan.  
Submitted to the Water Resources.
- Rahman G, Rahman A., Samiullah 2016. Spatio-Statistical Analysis for Landslide  
Susceptibility Zonation In The Hindu Kush Region Using GIS And  
Frequency Ratio Model. *Journal of mountain sciences*
- Rahman G, Rahman A, Khan AN, Samiullah. 2015. Spatio-Statistical Failure Rate  
analysis for Landslide Susceptibility Zonation in the Hindu Kush region.  
Natural Hazards

### **National Research Journal Publications**

- Samiullah, Khan.M.A, Rahman.A, (2018). Spatial and temporal analysis of landholdings and farm fragmentation in Peshawar CityDistrict-Pakistan. *Sarhad Journal of Agriculture*. 34 (3), 550-562
- 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*.10(Special Issue), 137-148
- 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
- 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.
- 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*, 53(4): 309-321
- Rahman A, Khan AN, Samiullah, Gul S, Mahmood S. 2016. Evaluation of CRBC impacts on the water-table of district D.I.Khan, Pakistan. *Journal of Basic and Applied Sciences*, 12:281-288
- 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*, 53(1): 35-46
- 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*, 53(1): 57-64

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).

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

### Book Chapter/s

Rahman A, Samiullah. Shaw R. 2016. Fragile mangroves and increasing susceptibility to coastal hazards in Pakistan. In (Edt) Das-Gupta R and Shaw R. Participatory Mangrove Management in a Changing Climate: Perspectives from the Asia-Pacific. Tokyo, Springer (in Press)

### 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
Arabic		Excellent	Good
Pashto	Excellent	Excellent	Excellent

