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 Date of Birth: 15-08-1963



### **Academic Qualifications:-**

- **2017 -DAAD Research Stay for Academics and Scientists for 1-3 months/Fellowship /Post Doctorate**, Institute of Geography, Humboldt University, Berlin-Germany – *“Sub-Urban Development in Lahore, Pakistan and its Socio-ecological Impacts on the Regional Landscape: A Spatio-temporal Study”*
- **2014-Post Doctorate** (HEC funded), Humboldt University, Berlin. Germany - *“On the structure, use and perception of urban green spaces: A social-ecological study in rapidly urbanizing landscape of Lahore”*
- **2011- Ph.D.** University of Karachi, Karachi. Pakistan - *“Urban development and its impact on the vegetation of Lahore”*
- **1987-M.Sc.** (Geography)University of the Punjab, Lahore-Pakistan

### **Experience:-**

- Professor (since 27<sup>th</sup> July,2017) &Chairman of Geography, Department of Geography, University of the Punjab, Lahore
- Ex-Director(22<sup>nd</sup> Feb.,2017 to 12<sup>th</sup> Aug.2018), Centre for Integrated Mountain Research, University of the Punjab, Lahore
- Ex-General Secretary Pakistan Geographical Association, Lahore, Pakistan
- Ex-General Secretary Old Geography Students Association, Lahore Pakistan
- Ex-Secretary, Society for Urban Ecology (SURE)-South Asia Chapter, Karachi, Pakistan
- Former Secretary National Curriculum Revision Committee of Geography, HEC-Pakistan
- Editor in Chief, Pakistan Geographical Review(PGR), University of the Punjab, Lahore
- HEC approved PhD supervisor

## **Research Projects**

1. “Detection of land cover changes in Baluchistan (shared between Iran, Pakistan and Afghanistan) using satellite remote sensing products” Funded by Pakistan Science Foundation, Islamabad
2. “Causes, consequences & occurrences of extreme weather events and climate variability in Punjab-Pakistan: A spatio-temporal analysis” funded by University of the Punjab, Lahore
3. “Intra-urban Residential Mobilities in Lahore-Pakistan” funded by University of the Punjab, Lahore
4. “Remote Sensing and GIS Applications in Land Cover and Land Use Changes in Lahore” funded by University of the Punjab, Lahore
5. “Assessing the Effect of Different Land Cover and Land Use on forming of the Urban Heat Islands in Lahore” funded by University of the Punjab, Lahore
6. “Assessment, analysis and management of meteorological drought in Punjab-Pakistan: A study of some affected districts” funded by University of the Punjab, Lahore

## **Academic Memberships:-**

1. Member Provincial REED +Management Committee, Govt. of the Punjab
2. Member REDD + Working Group, Govt. of Pakistan
3. Member, SURE-Society for Urban Ecology-Austria
4. Member, National Curriculum Revision Committee of Geography, HEC-Pakistan
5. Member, National Curriculum Revision Committee of Disaster Management, HEC-Pakistan
6. Member, Population Association of Pakistan
7. Member, Association of American Geographers(AAG)-USA
8. Member, Council of Social Sciences (COSS) –Pakistan
9. Life Member, Association of Punjab Geographers-India
10. Life Member and ex.Secretory, Pakistan Geographical Association
11. Member, Asian Population Association –Thailand
12. Member, Mountain Forum-UK
13. Member, Geographical Association Network-UK
14. Editor in Chief of the “European Journal of Arts, Humanities and Social Sciences (EURASS), European Academy of Applied and Social Sciences Strasbourg, France

15. Member, Editorial Board of the *Geosciences*-  
<http://journal.sapub.org/GEO> USA

### Academic Writings: -

1. Contributed jointly by Siddiqui, S., **Shirazi, S.A.**, Khan, W.M, A book chapter titled “*Earth Science Education in Schools: Present Scenario and Future Prospects in Pakistan*” in E-Book “Earth Science Education: Global Perspectives” 2018  
<https://www.dropbox.com/s/iqkn5ggigu6be3f/Earth%20Science%20Education%20Global%20Perspectives%202018%20E%20Book.pdf?dl=0>
2. **A Textbook of Geography** (Urdu/English) Class VIIth, National Book Foundation, Islamabad, 2013
3. **A Textbook of Geography** (Urdu/English) Class VIIIth, National Book Foundation, Islamabad, 2014
4. **A Text Book of Social Studies/Geography** (Urdu/English) Class IVth, Punjab Curriculum and Textbook Board, Lahore, 2015
5. **A Text Book of Social Studies/ Geography** (Urdu/English) Class Vth, Punjab Curriculum and Textbook Board, Lahore, 2015

### Some Selected Publications: -

TOTAL CITATIONS: 186      h-index 9      i10-index 8      I.F 4.119

#### 2019

1. Wahla,S.S,**Shirazi,S.A**,Abbas, S,Hussain,S.M & Lee,S (2019) “*Spatial Patterns and Temporal Trends of Precipitation in the Punjab, Pakistan, 1981-2015*” Journal of Climate Research, ISSN 1975-6151, online 2288-8772\_KU 14(3)159-169 Climate Research Institute, Soul-South Korea  
<http://db.koreascholar.com/article.aspx?code=383147> DOI:[10.14383/cri.2019.14.3.159](https://doi.org/10.14383/cri.2019.14.3.159)

2. Butt I ,**Shirazi S.A** (2019),*US hybrid policies against Pakistan with perspective of Pak China relation and an emerging rivalry of becoming economic power in a region*”, Margalla Papers Vol. 23: No.2.

3. Zartab Jahan, **Shirazi S.A** ,Shakrullah K(2019) “*Evaluation of Residents Perception about Socioeconomic and Environmental Impacts of Urban Green Spaces of Lahore, Pakistan*” Int. J. Econ. Environ. Geol. Vol.10 (2) 87-96 , 2019 ISSN: 2223-957X <https://www.econ-environ-geol.org/index.php/ojs/article/view/267>

#### 2018

4. Khalil M, Mazhar N, **Shirazi S.A**, Javid K.(2018) “*Impact analysis of vegetation cover on land surface temperature (LST) at Lakhodair landfill and Mehmood Booti open dump site of Lahore, Pakistan*” Int. J. Biosci. 13(5), 263-277, 2018  
<http://www.innspub.net>

5. Shazia P, **Shirazi S.A**, Khan,F. Z , Javid K, Mughal T.A “*Tree census of urban green space with special reference to Gora Cemetery of Lahore, Pakistan*”. *Int. J. Biosci.* 13(1), 431-439, July 2018. <https://innspub.net/ijb/tree-census-urban-green-space-special-reference-gora-cemetery-lahore-pakistan/>

6. Mazhar N, **Shirazi S.A**, Javid K.(2018) “*Desertification vulnerability and risk analysis of Southern Punjab Region, Pakistan using geospatial techniques*”. *Journal of Biodiversity and Environmental Sciences* 12(6), 273-282, June 2018.<http://www.innspub.net/jbes/desertification-vulnerability-risk-analysis-southern-punjab-region-pakistan-using-geospatial-techniques/>

## 2017

7. Abbas S, **Shirazi, S.A** and Qureshi S.(2017) “*SWOT analysis for socio-ecological landscape variation as a precursor to management of the mountainous Kanshi watershed, Salt Range of Pakistan*” **International Journal of Sustainable Development and World Ecology** Taylor & Francis DOI: <https://doi.org/10.1080/13504509.2017.1416701> **IF 2.811**

8. A.Anila, **Shirazi S.A**, K, Sumaira, Minallah M, N and Wahla S.S (2017) “*Spatial Distribution and Trends of Fertility Differentials in Toba Tek Singh District, Punjab-Pakistan*” **Journal of Basic & Applied Sciences**, 2017, <https://doi.org/10.6000/1927-5129.2017.13.26> (Y category-HEC recognized)

9. H. Mehmood, Sajjad H. S and **Shirazi S.A** (2017). “*Spatio-Temporal Trends and Patterns of Urban Sprawl in Gujranwala City, Punjab-Pakistan*”. **Pakistan Journal of Science**, Vol. 69 No. 1 March, 2017 pp.63-68 Lahore (X category-HEC recognized)

## 2016

10. **Shirazi, S.A** and Kazmi, S.J.H (2016): “Analysis of Socio-environmental Impacts of the Loss of Urban Trees and Vegetation in Lahore, Pakistan: A Review of Public Perception”, **Ecological Processes**, 5(1), 1-12 DOI: 10.1186/s13717-016-0050-8 Springer Open .ISSN 2192-1709 <http://link.springer.com/article/10.1186/s13717-016-0050-8>

11. Siddiqui.S, **Shirazi.S.A** and Ali.A (2016). “*A Floristic Analysis of Selected Parks in Lahore -Pakistan*” **Journal of the Punjab University Historical Society**, Vol.29 No.2.July-Dec. 2016, pp.182-195 [http://pu.edu.pk/images/journal/HistoryPStudies/PDF-FILES/15-v29\\_2\\_16.pdf](http://pu.edu.pk/images/journal/HistoryPStudies/PDF-FILES/15-v29_2_16.pdf) (Z category-HEC recognized)

12. S.Sarwat and **Shirazi S.A** (2016). “*Role of Urban Forests in Provision of Eco-system Services: An Analysis of Visitor’s Precipitation at Jallo Park in Lahore*”. **Pakistan Geographical Review**, June,2016, Vol.71 No.1, pp.47 -61 (**Y category-HEC recognized**)
13. S.Rathore,S.R Ahmad and **Shirazi S.A** (2016). “*Use of the Suitability Model to Identify Landfill Sites in Lahore-Pakistan*”. **Journal of Basic & Applied Sciences**, 2016, 12, pp.103-108 <http://dx.doi.org/10.6000/1927-5129.2016.12.16> (**Y category-HEC recognized**)
- 2015**
14. S.Rathore,S.R Ahmad and **Shirazi S.A** (2015). “*Application of GIS based Model in Landfill Site Selection: A Case Study of Lahore, Pakistan*”. **Pakistan Journal of Science**, Vol. 67 No. 4 Dec., 2015 pp.359-364 Lahore (**Y category-HEC recognized**)
15. Shakrullah K , **Shirazi S.A**, and Sajjad H. S (2015). “*Spatio-Temporal Analysis of land Cover Changes of Dhaka City in Bangladesh*”. **Pakistan Journal of Science**, Vol. 67 No. 4 Dec., 2015 pp.413-418 Lahore (**Y category-HEC recognized**)
16. Zia S., **Shirazi S.A**, Bhalli M. N and S. Kausar (2015) “*The Impact of Urbanization on Mean Annual Temperature of Lahore Metropolitan Area, Pakistan*”. **Pakistan Journal of Science**, Vol. 67 No. 3 Sept., 2015 pp.301-307 Lahore (**Y category- HEC recognized**)
17. Sajjad H. S, Batool R., Qadri,T **Shirazi S.A**, and Shakrullah K., (2015) “*The Long-Term Variability in Minimum and Maximum Temperature Trends and Heat Island of Lahore City, Pakistan*” **Journal the “Science International”, ISSN 1013-5316; CODEN: SINTE 8Sci.Int.Lahore,27(2),1321-1325,2015 (Z category- HEC recognized)**
18. Sajjad H. S, Sadaf H., **Shirazi S.A**, Shakrullah K., Shahzad K., Batool R and Qadri,T (2015) “*Spatial Variability of Urban Heat Island of Sargodha City in Pakistan*” **Journal of Basic & Applied Sciences**, 2015, 11, pp.278-285(**Y category-HEC recognized**)
19. Sajjad H.S,Blond. N, Batool.R, **Shirazi S.A**, Shakrullah,K. and Bhalli,M.N(2015) “*Study of Urban Heat Island of Karachi by Using Finite Volume Mesoscale Model*” **Journal of Basic & Applied Sciences**, 2015, 11, pp.101-105(**Y category-HEC recognized**)
20. Sajjad H. S, Sadaf H, **Shirazi S.A**, Shakrullah K, B Rabia and Saeed B (2015) “*Impact of Urban Evolution on Land-Use Change of Sargodha City in Pakistan*” **Journal of Science &Technology**, University of Peshawar, Peshawar Vol.39 No.2, 2015 pp.29-36, (**Y category-HEC recognized**)  
<http://journals.uop.edu.pk/papers/Impact%20of%20Urban%20Evoluton.pdf>

**2014**

- 21.** Raza S.M,**Shirazi.S.A** (2014) “*Temporal Analysis of Urban Development in Sargodha: A Geospatial Perspective using Landsat Time Series Data*” **Pakistan Geographical Review** Vol.69 No.1 June,2014 pp. 15-27 (**Y-category-HEC recognized**)
- 22.** R. Alam, **Shirazi S.A**, M. N. Bhalli and S. Zia (2014). “*Spatial Distribution of Urban Green Spaces in Lahore, Pakistan: A Case Study of Gulberg Town*”. **Pakistan Journal of Science**, Vol. 66 No. 3 Sept., 2014 pp.277-281 Lahore (**Y category-HEC recognized**)
- 23.** Raza S.M,**Shirazi.S.A** (2014) “*Use of Multi-temporal satellite data for monitoring Land use patterns in Sargodha-Pakistan*” **Pakistan Geographical Review** Vol.69 No.2 Dec.,2014 pp. 80-92(**Y-category-HEC recognized**)
- 24.** Zia S., **Shirazi S.A**, Bhalli M. N and Alam, R (2014). “*Temporal Analysis of Temperature Trends in the Metropolitan Area of Lahore, Pakistan*”. **Pakistan Journal of Science**, Vol. 66 No. 1 Jan., 2014 pp.83-87 Lahore (**Y category- HEC recognized**)
- 25.** **Shirazi, S.A** and Kazmi, J. H (2014): “*Analysis of Population Growth and Urban Development in Lahore-Pakistan using Geospatial Techniques: Suggesting some Future Options*” ,**Journal of South Asian Studies**,Vol.29 No.1 January-July,2014 pp. 269-280, Centre for South Asian Studies, University of the Punjab, Lahore (**Y category- HEC recognized**)
- 2013**
- 26.** Bhalli, M. N., Ghaffar, A., **Shirazi, S.A.**, and N. Parveen. (2013) “*An Analysis of the Normalized Difference Vegetation Index(NDVI) and its Relationship with the Population Distribution of Faisalabad-Pakistan*” **Pakistan Journal of Science**, Vol. 65 No. 4 Dec., 2013 pp.496-502 Lahore (**Y category- HEC recognized**)
- 27.** Mirza, A. I., Kazmi J.H, and **Shirazi, S.A.**, (2013) “*Identification and Analysis of a Sustainable System of Road Traffic Pattern in Lahore City*”, **Pakistan Journal of Science**, Vol. 65 No. 3 Sept., 2013 pp.420-425 Lahore (Y category- HEC recognized)
- 28.** Mirza, A. I.,Kazmi J.H, and **Shirazi, S.A.**, (2013): “*Spatio-periodic Monitoring and Analysis of Atmospheric Sulphur Dioxide(CO<sub>2</sub>) in the Metropolitan Areas of Lahore-Pakistan*” **Pakistan Journal of Science**, Vol. 65 No. 1 March, 2013 pp.83-89 Lahore (**Y category- HEC recognized**)

**29. Shirazi, S.A** and Kazmi, J. H (2013): “*Appraisal of the Change in Spatio-temporal Patterns of LULC and its Impacts on the Vegetation of Lahore, Pakistan*””. “**Pakistan Vision**” Vol.14 No.1 June, 2013 pp.25-44, Journal of Pakistan Study Center, University of the Punjab, Lahore (**Y category- HEC recognized**)

## 2012

**30. Bhalli, M. N., Ghaffar, A., Shirazi, S.A., Anwar M. M.** (2012) “*Change Detection Analysis of Land Use by using Geospatial Techniques: A Case Study of Faisalabad-Pakistan*” Journal the “**Science International**”, ISSN 1013-5316; CODEN: SINTE 8Sci.Int.Lahore,24(4),539--546,2012 (**Y category- HEC recognized**)

**31. Parveen, N., Ghaffar, A., Shirazi, S. A** and Bhalli, M. N (2012) “*A GIS based assessment of heavy metals contamination in surface soil of urban parks: a case study of Faisalabad city-Pakistan.* **Journal of Geography & Natural Disasters**, 2(1), 01-05.

**32. Kousar,S., Ghaffar, A., Shirazi, S.A.,** (2012) “*Impact of Socio-economic and Demographic Characteristics on Fertility Preferences among Women of Lahore city- A case study of Gulberg Town*”. **Pakistan Geographical Review**, Vol.68, No.2,Dec. 2012 pp.23-37.Deprtment of Geography, University of the Punjab, Lahore (**Y category- HEC recognized**)

**33. Praveen, N., Ghaffar, A., Shirazi, S.A., Bhalli M.N.** (2012) “*Spatial Distribution of Heavy Metal Contamination in Road Side Soils of Faisalabad-Pakistan*” **Pakistan Journal of Science**, Vol. 64 No. 4 December, 2012 pp.309-315Lahore (**Y category- HEC recognized**)

**34. Bhalli, M. N., Ghaffar, A., Shirazi, S.A.,** (2012) “*Remote Sensing and GIS Applications for Monitoring and Assessment of the Urban Sprawl in Faisalabad-Pakistan*”. **Pakistan Journal of Science**, Vol.64, No.3, Sept. 2012 pp.203-208. Pakistan Association for the Advancement of Science, II Shadman Market, Lahore(**Y category- HEC recognized**)

**35. Bhalli, M. N., Ghaffar, A., Shirazi, S.A.,** (2012), “*Spatio-temporal Patterns of Urban Growth in Faisalabad-Pakistan: A GIS Perspective*”. **Journal of the Research Society of Pakistan**, Vol.49,January-June 2012 No.1 pp.115-134, Department of History, Punjab University, Lahore(**Y category- HEC recognized**)

**36. Shirazi S.A** (2012), “*Temporal Analysis of Land Use and Land Cover Changes in Lahore-Pakistan*”. “**Pakistan Vision**” Vol.13 No.1 June, 2012 pp.188-207, Journal of Pakistan Study Center, University of the Punjab, Lahore(**Y category- HEC recognized**)

**37. Shirazi S.A** (2012), “*Spatial Analysis of NDVI and Density of Population: A Case study of Lahore: Pakistan*” Journal the “**Science International**”24(3)323-328, 2012, Lahore Pakistan(**Z category- HEC recognized**)

## 2010

**38.** Sajjid.S.H, Blond N, Clappier ,A Raza A, **Shirazi, S.A** and Shakrullah K (2010): “The preliminary study of urbanization, fossil fuels consumptions and CO<sub>2</sub> emission in Karachi” *African Journal of Biotechnology* Vol. 9(13), pp. 1941-1948, 29 March, 2010. Available online at <http://www.academicjournals.org/AJB> ISSN 1684–5315 © 2010 Academic Journals

## IF 0.565

**39.** Sajjid.S.H, **Shirazi, S.A**, Khan M.A and Raza A (2010): “Urbanization effects on temperature trends of Lahore during 1950-2007”*International Journal of Climate Change Strategies and Management*” Vol.1 Issue-3 pp.274-281  
<http://www.emeraldinsight.com/10.1108/17568690910977483> **IF 0.708**

## 2009

**40. Shirazi, S.A** and Hussain M.S (2009): “*Trends and Patterns of Climatic Research in Pakistan: An Overview of the Research Published in Pakistan Journal of Meteorology*”. **Journal of Climate Research**, Vol. 4, No.2(Series No.7), August 2009 .ISSN 1975-6151,KU 128-143 Climate Research Institute, Soul-South Korea

**41. Shirazi, S.A** and Hussain M.S (2009): “The Impact of Climate Change with Different Field of Studies: A Comprehensive Review”. **Journal of Climate Research**, Vol. 4, No.1(Series No.6), February 2009 .ISSN 1975-6151,KU 30-41Climate Research Institute, Soul-South Korea

## 2006

**42.** Mangat,H.S and **Shirazi, S.A** (2006): “*Old Punjab: New Facts (Introductory Note)*”.**Punjab Geographer**, Vol. 21, No.2 October 2006 113-116, A Journal of the Association of Punjab Geographers, India

## 2004

**43. Shirazi, S.A**, Ahmad, Farooq Ali, Zulfiqar; Gulzar, F., Farooq Sumaira ; (2004) “Soil Classification and Micromorphology: A Case Study of Cholistan Desert” (Proceedings of the 12<sup>th</sup> international Meeting on Soil Micromorphology Adana-Turkey, 20-26 September, 2004

## 2003

**44.** Gulzar, F., Ahmad, F., Ghaffar, A. and **Shirazi, S. A.** (2003): “*Possibilities for Range Development and Adoption of Australian Forage Shrubs in Cholistan*” **African Journal of Rangeland & Forage Science** Vol. 20 (2) 2003:1190-1192([www.ingentaselect.com](http://www.ingentaselect.com)) **IF 0.6**



**Conferences attended and Presented Papers:-**

1. Attended the 1st Council Meeting of the Asian Geographical Association (AGA), the 110th Anniversary of the Geographical Society of China, the Asian Geographical Forum 2019 & China Conference on Geography 2019 at Beijing, China held from 31st Oct. to 5th Nov.2019
2. Attended One Day-Long International “7<sup>th</sup> Monsoon Forum “titled “*Monsoon 2019 Outlook, Associated Vulnerabilities & Mitigation Options*” held on 17<sup>th</sup> June,2019 at Avari Hotel, Lahore under the auspices of Pakistan Meteorological Department, Lahore
3. 15th All Pakistan Geographical Conference, 21-23April, 2018, Department of Geography, University of Karachi-Karachi. Attended organized, presented paper titled “Assessment, analysis and management of meteorological drought in Punjab-Pakistan: A study of some affected districts”.
4. 2<sup>nd</sup> International Conference of Environment and Sustainable (ICESD 2018) 13-14 March 2018, 21-23April, 2018, Sustainable Development Study Centre Govt.College University Lahore. Jointly presented paper titled “Climate Change Impact on Forest Cover Change: Implication for Carbon Stock Assessment and Sustainable Development in KKH Region-Pakistan.
5. The 12<sup>th</sup> Korea-China-Japan Joint Conference on Geography & The 3<sup>rd</sup> Asian Conference on Geography “Toward a Sustainable Environments and Human Societies” August 23-26,2017 held at the Jeju National University,Jeju,Republic of Korea. Attended and presented a paper titled “Climate Change Impact on Agriculture and Prevalence of Food Security in Punjab, Pakistan”.
6. The Symposium on “the Impact of Climate Change on Agriculture” August 22-23, 2017,Organized by Climate Research Institute ,Konkuk University, Republic of Korea held at the Jeju National University,Jeju. Attended and presented a paper titled “Climate Change Impact on Agriculture and Prevalence of Food Security in Punjab, Pakistan”
7. Three-Day International Conference on “Global Environment Change and Role of Geographers” July,25-27,2017,Department of Geography, Baragali Summer Campus, University of Peshawar-Peshawar-Pakistan.  
Jointly presented three papers **i)** *Monitoring Climate Change Impacts on Glacial Mass Fluctuations in Hunza Valley and Shyok Basins:A Case Study of Hispar and Kondus Glaciers in the Karakorum* **ii)** *“Application of High Resolution Synthetic Aperture Radar(SAR)images to Detect Urban Flooded Area of Lahore City”* **iii)** *“Impact of Rainfall and Temperature Variability on Wheat Production: A Case Study of District Bahawalnagar-Pakistan”*
8. First South Asian Regional SURE Conference 18-20 January, 2017, Department of Geography, University of Karachi-Pakistan. Attended as Plenary Speaker and presented paper titled “*Use and Perception of Urban Greening in Rapidly Urbanizing Landscape of Lahore: A Social-Ecological Study*”.

9. 14<sup>th</sup> All Pakistan Geographical Conference, 05-07 March, 2013, Department of Geography, University of the Punjab-Lahore. Attended and presented paper titled "*An Analysis of Normalized Difference Vegetation Index (NDVI) and its Relationship with the Population Distribution of Faisalabad-Pakistan*".
10. 14<sup>th</sup> All Pakistan Geographical Conference, 05-07 March, 2013, Department of Geography, University of the Punjab-Lahore. Attended and presented paper titled "*Impact of Socio-economic and Demographic Characteristics on Fertility Preference among Women of Lahore city: A Case Study of Gulberg Town*".
11. 14<sup>th</sup> All Pakistan Geographical Conference, 05-07 March, 2013, Department of Geography, University of the Punjab-Lahore. Attended and presented paper titled "*Spatial Mapping and Geochemical Contamination Assessment of Heavy Metals in Urban Topsoil of Faisalabad-Pakistan*".
12. 13<sup>th</sup> All Pakistan Geographical Conference, 21-23 Dec.2008, Department of Geography, University of Karachi-Karachi. Attended and presented paper titled "*Urbanization effects on temperature trends of Lahore during 1950-2007*".
13. First Kashmir International Science Conference, 20-21 September, 2005 Muzaffarabad, Azad Kashmir. Attended and presented paper titled "*Gender Preference and Fertility Behaviour: A Case Study of Lahore-Pakistan*".
14. First Kashmir International Science Conference, 20-21 September, 2005 Muzaffarabad, Azad Kashmir. Attended and presented paper titled "*Functional Analysis of Weekly Bazaars of Islamabad-Pakistan*".
15. VIIth International Rangeland Congress, 26July-1 August 2003. Durban-South Africa. Attended a presented paper titled "*GIS Technique for Rain Water Conservation in Cholistan.*"
16. VIIth International Rangeland Congress, 26July-1 August 2003. Durban-South Africa. Attended a presented paper titled "*Possibilities for Range Development and Adoption of Australian Forage Shrubs in Cholistan.*"
17. National Conference on ***Prospects and Problems of Mountain Systems of Pakistan, Bara Gali*** Summer Campus, University of Peshawar - August 2-6, 2003.Presented paper titled "*Learning to Live with Landslide Hazards along Karakoram Highway*".
18. 11<sup>th</sup> All Pakistan Geographical Conference, 21-24 Dec.2003, Department of Geography, University of the Punjab-Lahore. Attended and presented paper titled "*Gender Preference: A Determinant of Family Size in Lahore*".
19. 11<sup>th</sup> All Pakistan Geographical Conference, 21-24 Dec.2003, Department of Geography, University of the Punjab-Lahore. Attended and presented paper titled "*Change in Child-Woman Ratio in Punjab-Pakistan: An Inter-District Analysis*".

**Research Supervision (PhD & MPhil):-**

1	<b>Ms. Khadija Shakrullah</b> PhD	“ Assessing the impacts of Urbanization on Urban Climates of South Asian Cities: A Spatio-Temporal Analysis”
2	<b>Ms. Sahar Zia</b> PhD(submitted)	“Causes and Consequences of Urban Flooding in Lahore: A Study to Evolve Mitigation Strategies”
3	<b>Ms. Nausheen Mazhar</b> PhD(in progress)	“An Assessment of Desertification Intensity and Community Resilience in South Punjab, Pakistan”
4	<b>Ms. Aysha Hanif</b> PhD(in progress)	“Identification of Ecosystem Services in Mega Cities of South Asia: A Case Study of Lahore, Pakistan”
5	<b>Ms.Sarwat Shahzadi</b> PhD(in progress)	“Changing Climate of Lahore, Pakistan: Suggesting Nature-Based Solutions to Mitigate in Planning Perspective”
6	<b>Ms.Saira Batool</b> PhD(in progress)	“Appraisal of Climatic Variability on Food Security through Geospatial Technologies and Multi-source Data: A Case Study of Potwar Region, Punjab: Pakistan”
7	Ms. Sumaira Kousar MPhil	“Socio-demographic Characteristics of Women and Fertility Preferences in Lahore: A Case Study of Gulberg Town”
8	Ms. Sahar Zia MPhil	“Causes and Consequences of Temporal Temperature Changes in Lahore City 1962-2012”
8	Ms. Rizwana Alam MPhil	“ Spatial Distribution and Functional Analysis of Urban Green Spaces of Lahore: A Case of Gulberg Town ”
10	Ms.Aneela Arshad MPhil	“Spatial Patterns of Rural-Urban Fertility Trends and Differentials in the Punjab: A Case Study of Toba Tek Singh”
11	Ms.Saba Akram MPhil	“Urban Expansion and Loss of Agriculture Land in Multan using Geospatial Techniques”
13	Ms.Ayesha Ali MPhil	“Monitoring Spatial Distribution of Floral Species of Lahore using Geospatial Techniques”
13	Ms.Sarwat Shahzadi MPhil	“Role of Urban Forests toward the Provision of Ecosystem Services as Perceived by the Visitors: A Case Study of Jallo Park, Lahore”
14	Mr.Muhammad Basit MPhil	“Monitoring Urban Heat Island of Lahore: A Climatological Study”
15	Ms.Sana Rathore MPhil	“Landfill Site Selection for Solid Waste in Lahore using Geospatial Techniques”
16	Ms.Saeeda Nazir MPhil	“Effects of Urbanization on Economic Growth of Lahore(2005-2014)”

17	Ms.Saaadia Sultan Wahla MPhil	“Spatio-temporal Trends and Patterns of Rainfall in the Punjab: Pakistan”
18	Ms.Mareena Khurshid MPhil	“A Temporal Analysis of Urban Growth Patterns: A Case Study of Dera Ghazi Khan, Punjab-Pakistan”
19	Ms,Shabana Nasreen MPhil	“Geographical Patterns of Social Well-being of Coal Mine Workers: A Case Study of Dandot, District Chakwal-Punjab”
20	Ms.Eman Husssain PMhil	“Damage Assessment of 2014 Flood and Mitigation Measures: A Case Study of Muzaffargarh Tehsil-Punjab, Pakistan”

**Current Research Interest: -**

Geography, climate change, LULC changes, landscape ecology, ecosystem services, morphology of cities, desertification and resilience, population studies, urbanization and sustainability.