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Department of Geography,
University of the Punjab,
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Date of Birth: 15-08-1963
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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 of Geography (since 27th July,2017), Department of Geography, University of the Punjab, Lahore
- Chairman (since 13th Aug.,2018), Department of Geography, University of the Punjab, Lahore
- Director(22nd Feb.,2017 to 12th 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, 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. “GIS Development, Deployment of Software and Training Project” funded by the World Bank.
6. “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
7. “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.Secretary, 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 **Shirazi, S.A.**, Ahmad, A., and Qureshi, S., (2020). Assessing the impact of land use and land cover (LULC) changes on the biodiversity of River Ravi, Lahore, Pakistan In: Breuste, J., Artmann, M., Ioja, C., and Qureshi, S., (Editors) (2020). Making green cities- concepts, challenges and practice, Springer Nature Switzerland AG, pp: 220-233
2. 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/iqkn5gqiqu6be3f/Earth%20Science%20Education%20Global%20Perspectives%202018%20E%20Book.pdf?dl=0>

3. **A Textbook of Geography** (Urdu/English) Class VIIth, National Book Foundation, Islamabad, 2013
4. **A Textbook of Geography** (Urdu/English) Class VIIIth, National Book Foundation, Islamabad, 2014
5. **A Text Book of Social Studies/Geography** (Urdu/English) Class IVth, Punjab Curriculum and Textbook Board, Lahore, 2015
6. **A Text Book of Social Studies/ Geography** (Urdu/English) Class Vth, Punjab Curriculum and Textbook Board, Lahore, 2015

Publications: -

TOTAL CITATIONS: 278 h-index 10 i10-index 11 I.F 5.446

2020

1. Mahmoudi P, **Shirazi S.A** ,Firoozi,F , Jahanshahi S.M.A & Mazhar,N (2020). “Detection of land cover changes in Baluchistan (shared between Iran, Pakistan, and Afghanistan) using the MODIS Land Cover Products” *Arabian Journal of Geosciences* (2020) **13**:1274
<https://doi.org/10.1007/s12517-020-06284-9>
2. Hanif A., **Shirazi S.A** & Majid A.,(2020). “Role of Community for improvement of Ecosystem Services in Urban Parks” *Pak. J. Agri. Sci., Vol. 57(x), xxx-xxx; 2020*
ISSN (Print) 0552-9034, ISSN (Online) 2076-0906 DOI: 10.21162/PAKJAS/20.352.
<http://www.pakjas.com.pk> <http://pakjas.com.pk/InPress.php> pp.1-6 (X category-HEC recognized)
3. Hussain S.M., Abbas S., **Shirazi S.A** & Khurshid M., Wahla S.S., (2020). “Connection between the South and East Asian Monsoons: Comparing Summer Monsoon Rainfall of Pakistan and South Korea” *Int. J. Econ. Environ. Geol. Vol.11 (2) 06-11, 2020* ISSN: 2223-957X <https://www.econ-environ-geol.org/index.php/ojs/article/view/438> _ (Y category-HEC recognized)
4. Mazhar N.,**Shirazi S.A** (2020). “The Preliminary Study of Anthropogenic and Natural Drivers of Desertification in Drylands of South Punjab, Pakistan” *Int. J. Econ. Environ. Geol. Vol.11 (1) 102-107, 2020* ISSN: 2223-957X <https://www.econ-environ-geol.org/index.php/ojs/article/view/420>
5. Abbas, S., Hussain, M.S., **Shirazi S.A**, & Khurshid, M. (2020). “Impact Analysis of Climatic Conditions on the Rabi Crops and Green Economic Development in Swat Valley of Pakistan” *Pakistan Journal of Science*, Vol. 72 No. 2 June, 2020 Lahore pp.97-102 (Z category-HEC recognized) <http://paas-pk.com/SubPages/Journal/ResearchPaper.aspx?fcso=2&menuid=1006&manid=6754>
6. Abbas, S., Hussain, M.S., **Shirazi S.A**, & Khurshid, M. (2020). “Assessment of Physiographic Features and Changing Climate of Kabul River Catchment Area in Northwestern Pakistan” *Pakistan Journal of Science*, Vol. 72 No. 2 June, 2020 Lahore pp.112-118 (Z category-HEC recognized) <http://paas-pk.com/SubPages/Journal/ResearchPaper.aspx?fcso=2&menuid=1006&manid=6757>
7. Abbas, S., **Shirazi S.A**, Hussain, M., Yaseen, M., Shakarullah, K., Wahla, S.S., & Khurshid, M. (2020). Impact of Climate Change on Forest Cover: Implications for Carbon Stock Assessment and Sustainable Development in HKH Region-Pakistan. *Journal of Pakistan Vision*, 21(1): 66-81. (Y category-HEC recognized). http://pu.edu.pk/images/journal/studies/PDF-FILES/5_v21_1_20.pdf

2019

8. Zia S., **Shirazi S.A** (2019) “*Spatio-Temporal Analysis of Areas Vulnerable to Urban Flooding: A Case Study of Lahore, Pakistan*” *Int. J. Econ. Environ. Geol. Vol.10* (3) 85-89 , 2019 ISSN: 2223-957X <https://www.econ-environ-geol.org/index.php/ojs/article/view/313> (Y category-HEC recognized)
9. 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)
10. Butt I ,**Shirazi S.A** (2019), “US Sinusoid Policies towards Pakistan: Influencing Pak-China Relations”, *Margalla Papers Vol. XXIII Issue II,2019 : No.2 pp.109-18* (HEC recognized X category) https://ndu.edu.pk/issra/issra_pub/articles/margalla-paper/margallapapers2019issueii/10-US-Sinusoid.pdf
11. 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>
12. Shirazi S.A , Shakarullah.K, S.S. Wahla, M, Khurshid. (2019)“Assessing the Impact of Built-up areas on development of the urban heat island in Lahore, Pakistan”. *Int. J. Econ. Environ. Geol. Vol.10* (4): 64-68. (HEC recognized). <https://www.econ-environ-geol.org/index.php/ojs/article/view/352>
13. **Shirazi S.A**, A. Liaqut & Sharkullah.K (2019)“Analysis of temperature and precipitation trends observed at some selected districts of the Punjab, Pakistan” *Int. J. Econ. Environ. Geol. Vol.10* (4):51-58. (HEC recognized). <https://www.econ-environ-geol.org/index.php/ojs/article/view/353>
14. Shakarullah K., **Shirazi, S.A.**, Sajjad, S.H., & Jahan, Z. (2019). Examination of Temperature Variability over Lahore (Pakistan) and Dhaka (Bangladesh): A Comparative Study.” *Int. J. Econ. Environ. Geol. Vol.10* (4):46-50. (HEC recognized). <https://www.econ-environ-geol.org/index.php/ojs/article/view/352>
15. Shakarullah, K., **Shirazi, S.A.** & Sajjad, S.H. (2019). An assessment of land use and land cover changes in Lahore (Pakistan) and New Delhi (India) using geospatial techniques. *Pakistan Journal of Science*, 71(4): 250-253. (HEC recognized). <http://paaspk.com/SubPages/Journal/Dashboard.aspx?fco=2&menuid=1006&JID=313>

2018

16. 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>
17. 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/>
18. 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

19. 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
20. 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)
21. 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

22. **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>
23. 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 (Z category-HEC recognized)
24. 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)
25. 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

26. 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)
27. 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)

28. 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)**
29. 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)**
30. 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)**
31. 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)**
32. 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

33. 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)**
34. 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)**
35. 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)**
36. 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)**
37. **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

38. 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)**

39. 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**)
40. Mirza, A. I.,Kazmi J.H, and **Shirazi, S.A.**, (2013): “*Spatio-periodic Monitoring and Analysis of Atmospheric Sulpher Dioxide(CO₂) 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**)
41. **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

42. 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**)
43. 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.
44. 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**)
45. 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.309-315 Lahore (**Y category- HEC recognized**)
46. 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**)
47. 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**)
48. **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**)
49. **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

50. 3.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 CO₂ 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
a. **IF 0.565**

51. 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

52. **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
53. **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
54. 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

55. **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 12th international Meeting on Soil Micromorphology Adana-Turkey, 20-26 September, 2004

2003

56. 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) **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 “7th Monsoon Forum “titled “*Monsoon 2019 Outlook, Associated Vulnerabilities & Mitigation Options*” held on 17th 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. 2nd International Conference of Environment and Sustainable (ICESD 2018) 13-14 March 2018, 21-23 April, 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 12th Korea-China-Japan Joint Conference on Geography & The 3rd 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. 14th 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. 14th 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. 14th 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. 13th 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. 11th 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. 11th 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	Dr. Khadija Shakrullah PhD	“Assessing the impacts of Urbanization on Urban Climates of South Asian Cities: A Spatio-Temporal Analysis”
2	Dr. Sahar Zia PhD	“Causes and Consequences of Urban Flooding in Lahore: A Study to Evolve Mitigation Strategies”
3	Dr. Nausheen Mazhar PhD	“An Assessment of Desertification Intensity and Community Resilience in South Punjab, Pakistan”
4	Dr. Aysha Hanif PhD	“Identification of Ecosystem Services in Big Cities of South Asia: A Case Study of Lahore, Pakistan”
5	Ms.Sarwat Shahzadi PhD(in progress)	“Changing Climate of Lahore, Pakistan: Suggesting Nature-Based Solutions to Mitigate in Planning Perspective”
6	Ms.Saira Batool 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.Mareena Khurshid PhD(in progress)	“Evaluation of Urban Morphology and Landscape Changes in Dera Ghazi Khan City, South Punjab-Pakistan”

8	Ms. Sumaira Kousar MPhil	“Socio-demographic Characteristics of Women and Fertility Preferences in Lahore: A Case Study of Gulberg Town”
9	Ms. Sahar Zia MPhil	“Causes and Consequences of Temporal Temperature Changes in Lahore City 1962-2012”
10	Ms. Rizwana Alam MPhil	“ Spatial Distribution and Functional Analysis of Urban Green Spaces of Lahore: A Case of Gulberg Town ”
11	Ms.Aneela Arshad MPhil	“Spatial Patterns of Rural-Urban Fertility Trends and Differentials in the Punjab: A Case Study of Toba Tek Singh”
12	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”
14	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”
15	Mr.Muhammad Basit MPhil	“Monitoring Urban Heat Island of Lahore: A Climatological Study”
16	Ms.Sana Rathore MPhil	“Landfill Site Selection for Solid Waste in Lahore using Geospatial Techniques”
17	Ms.Saeeda Nazir MPhil	“Effects of Urbanization on Economic Growth of Lahore(2005-2014)”
18	Ms.Saaadia Sultan Wahla MPhil	“Spatio-temporal Trends and Patterns of Rainfall in the Punjab: Pakistan”
19	Ms.Mareena Khurshid MPhil	“A Temporal Analysis of Urban Growth Patterns: A Case Study of Dera Ghazi Khan, Punjab-Pakistan”
20	Ms,Shabana Nasreen MPhil	“Geographical Patterns of Social Well-being of Coal Mine Workers: A Case Study of Dandot, District Chakwal-Punjab”
21	Ms.Eman Husssain PMhil	“Damage Assessment of 2014 Flood and Mitigation Measures: A Case Study of Muzaffargarh Tehsil-Punjab, Pakistan”
22	Muhammad Sami Ur Rehman MPhil	“Dissemination of Implied Message of a Nation through Flags to the International Community: A Geographical Perspective”
23	Habiba Thathal MPhil	“Assessing Landslide Hazard and Risk Assessment through Geospatial Techniques: A Case Study of Murree- Abbottabad Road, Pakistan”

Research Supervision (BS/M.Sc. Theses /Research Reports):-

1. Functional Analysis of the Selected Periodic Markets of Islamabad by Ms.Saima Iffat
2. An Analytical study of Retail Activity in the CBD of Abbottabad-2000 by Ms.Mariam Mir

3. Demographic Appraisal of District Mansehra-NWFP: A Case Study of Village Datta by Mr.Suhail Attique
4. Demographic Comparison of Some Selected Villages of F.C.T.I & Haripur (NWFP)-2005
by Ms.Shumaila Khaild
5. Demographic Conditions in Saidpur-Islamabad 1997 by Ms.Lubna Khadim
6. Commercial Analysis of Periodic Markets in Islamabad by Ms.Ayesha Moien
7. Functional Analysis of the Selected Periodic Markets of Islamabad-2001 by Ms.Ibtisam Butt
8. A Study of Gender Geography with special Reference to Population Geography by Ms.Sara Fatima
9. Analysis of Family Size in Punjab: A Case Study of Lahore by Ms.Rabia Nastran
10. The Influence of Temperature and Precipitation on the Agriculture of Punjab by Farheen Zahid
11. Mortality patterns in Lahore district and its effects on population growth by Ms.Talat Najmi
12. Patterns of Rural Population Change in Punjab by Ms.Zareen Jameel
13. Population growth and agricultural change in Punjab-Pakistan by Mr.Tanveer Hasan
14. Fertility Preferences among Women: A Case Study of Gujranwala City by MsKhadaija Shakrullah
15. Fertility Levels and Patterns in Pakistan: An Inter -District Analysis by Ms.Mariam Mir
16. Patterns of Population Growth and Distribution in the Pakistan 1981-98 by Mr.Kashif Mahmood
17. A Geographical Study of Cultivation of Rice in Sheikhpura District (Punjab)-1985-95
by Ms.Uzma Sleenem Chishti
18. Age at Marriage and its Impact on the Population of Lahore-A Case Study of Few Localities of Lahore
by Ms. Nosheen Halim
19. Spatial Inequalities in Population Distribution and Growth in Punjab by Districts 1972-81 by Ms.Sadia Sadiq
20. Regional differences in the Production of cotton in the Punjab-Pakistan 1988-98 by Ms.Nazia Noreen
21. Demographic Profile of Abbottabad-N.W.F.P- A Case Study of Village Dehri-2009
by Ms. Uzma Saeed
22. Demographic Profile of Abbottabad-N.W.F.P -A Case Study of Banda Khair Ali Khan -2009 by
Ms.Sadia Siddique
23. Demographic Profile of Abbottabad-N.W.F.P -A Case Study of Village Neelay Paier-2009 by Ms.
Zunaira Riaz
24. Urban Tourisms in Murree Hills-2011 by Mr.Shaoor Ali Akbar
25. Demographics of District Abbottabad (KPK): A Case Study of Village Dalola- 2012 by Ms.Amina
Ishaq (MSc Regular)
26. A Demographic Survey of Village Summ, District Manshera, 2012 by Ms.Ruqaya Rasheed (MSc
Replica)
27. A Demographic Study of Village Banda Khair Ali Khan Distt.Abbottabad 2012 by Mr.Sajid Ali (BS)

28. A Demographic Study of Village Masoot, Thesil Murree, 2013 by Ms. Maria Imtiaz (MSc Regular)
29. A Demographic Study of Village Masoot, Thesil Murree, 2013 by Mr. Shah Jhan Doltana (MSc Replica)
30. A Demographic Study of Village Masoot, Thesil Murree, 2013 by Ms. Rabia Naseem (BS)
31. Demographic Profile of some selected localities of Khanspur (District Abbottabad), 2015 by Muhammad Abbas (MSc)
32. Demographic Conditions in ICT (Islamabad), 2019: A Comparative Analysis of Village Malot and Mohra Noor, 2019 by BS (Regular) 8th Semester 2014-19
33. Demographic Conditions in ICT (Islamabad), 2019: A Comparative Analysis of Village Malot and Mohra Noor, 2019 by BS (Replica) 8th Semester 2014-19
34. Demographic Conditions in ICT (Islamabad), 2019: A Comparative Analysis of Village Malot and Mohra Noor, 2019 by MSc Part-II 2017-19

Current Research Interest: -

Geography, Environment Studies, Climatology/Climate Change, LULC Studies, Landscape and Urban Ecology and Population Geography