



PROF.DR. SAFDAR ALI SHIRAZI
shirazi.geog@pu.edu.pk, geoshirazi@hotmail.com
 Department of Geography,
 University of the Punjab,
 Quaid-i-Azam Campus, Lahore, Pakistan
 Mobile: +92 3004210213, Landline: +92 42 99230419
 Date of Birth: 15-08-1963



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/iqkn5ggiqu6be3f/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/crj.2019.14.3.159](https://doi.org/10.14383/crj.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 (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(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**)
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.Department 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 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

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**

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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 30-41 Climate Research Institute, Soul-South Korea

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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

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

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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) **IF 0.6**