

List of International Peer-reviewed Impact Factor Publications (37)

- 1) **Salman Tariq**, Hasan Nawaz, Zia ul-Haq, Usman Mehmood, 2021. Investigating the relationship of aerosols with enhanced vegetation index and meteorological parameters over Pakistan, Atmospheric Pollution Research 12/6 101080, ISSN 1309-1042, <https://doi.org/10.1016/j.apr.2021.101080> , **Impact factor 4.352.**
- 2) **Salman Tariq**, Sumayia Mehmood, Aiman Nisa, Zia Ul-Haq, Usman Mehmood, 2021. Remote sensing of aerosol properties during intense smog events over Lahore (Pakistan)", Kuwait Journal of Science, Vol.48, No.(4), 1-16, <https://doi.org/10.48129/kjs.v48i4.10407> , **Impact factor 0.948.**
- 3) **Salman Tariq**, Hasan Nawaz, Fazzal Qayyum, Zia ul-Haq, 2021. A study of the passage of high-speed solar wind streams, their plasma/field properties and space weather effects of geomagnetic disturbances. Journal of Astrophysics and Astronomy 42, 98. <https://doi.org/10.1007/s12036-021-09768-6>, **Impact factor 1.270.**
- 4) Usman Mehmood, **Salman Tariq**, Zia ul-Haq, 2021. Effects of population structure on CO2 emissions in South Asian countries: evidence from panel estimation. Environmental Science and Pollution Research. <https://doi.org/10.1007/s11356-021-14976-2>, **Impact factor 4.223.**
- 5) Fazzal Qayyum, Usman Mehmood, **Salman Tariq**, Zia ul-Haq, Hasan Nawaz, 2021. Particulate matter (PM2.5) and diseases: an autoregressive distributed lag (ARDL) technique. Environmental Science and Pollution Research. <https://doi.org/10.1007/s11356-021-15178-6> . **Impact factor 4.223.**
- 6) Ayesha Mariam, **Salman Tariq**, Zia ul-Haq Usman Mehmood, 2021. Spatio-temporal variations in fine particulate matter and evaluation of associated health risk over Pakistan, Integrated Environmental Assessment and Management, <https://doi.org/10.1002/ieam.4446>. **Impact factor 3.440.**
- 7) Usman Mehmood, Ayesha Azhar, Fazzal Qayyum, Hasan Nawaz, **Salman Tariq**, Zia ul-Haq, 2021. Air pollution and hospitalization in megacities: empirical evidence from Pakistan. Environmental Science and Pollution Research. <https://doi.org/10.1007/s11356-021-14158-0> . **Impact factor 4.223.**
- 8) Usman Mehmood, Amal Mansoor, **Salman Tariq**, Zia ul-Haq, 2021. The interactional role of globalization in tourism-CO2 nexus in South Asian countries. Environmental Science and Pollution Research (2021). <https://doi.org/10.1007/s11356-021-12473-0> , **Impact factor 4.223.**

- 9) Usman Mehmood, **Salman Tariq**, Zia ul-Haq, Muhammad Saeed Meo, 2021. Does the modifying role of institutional quality remain homogeneous in GDP-CO₂ emission nexus? New evidence from ARDL approach. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-020-11293-y> . **Impact factor 4.223.**

- 10) **Salman Tariq** and Zia ul-Haq, 2020. Investigating the Aerosol Optical Depth and Angstrom Exponent and their Relationships with Meteorological Parameters over Lahore in Pakistan. *Proceedings of the National Academy of Sciences, India Section A: Physical Sciences*, 90, pages 861–867, <https://doi.org/10.1007/s40010-018-0575-6> , ISSN: 0369-8203 (Print) 2250-1762 (Online). **Impact factor 1.544.**

- 11) Usman Mehmood, **Salman Tariq**, 2020. Globalization and CO₂ emissions nexus: evidence from the EKC hypothesis in South Asian countries. *Environmental Science and Pollution Research* 27, 37044–37056, <https://doi.org/10.1007/s11356-020-09774-1> . **Impact factor 4.223.**

- 12) Asim Daud Rana, Shahid PARVEZ, Zia UL-HAQ, Syeda Adila BATOOL, CHAUDHARY, M. N.– MAHMOOD, K., **Salman Tariq**, 2019. Anthropogenic, Biogenic and Pyrogenic Emission Sources and Atmospheric Formaldehyde (HCHO) And Nitrogen Dioxide (NO₂) Columns Over Different Landuse/Landcovers Of South Asia, *Applied Ecology and Environmental Research*, ISSN 1589 1623, **Impact Factor 0.711.**

- 13) Shahid Parvez, Asim Daud Rana, Zia Ul-Haq, Syeda Adila BATOOL, Ali, M., **Salman Tariq**, Mahmood, K., BANO, S., 2019. Investigating Contributions of Gases, Meteorological Parameters, And Aerosols Towards Tropospheric Ozone Variabilities Over Megacity Lahore (PAKISTAN), *Applied Ecology and Environmental Research*, ISSN 1589 1623, **Impact Factor 0.711.**

- 14) Khalid Mahmood, Zia Ul-Haq, Fiza Faizi, **Salman Tariq**, Muhammad Azhar Naeem, Asim Daud Rana, 2019. Monitoring open dumping of municipal waste in Gujranwala, Pakistan using a combination of satellite-based bio-thermal indicators and GIS analysis, *Ecological Indicators*, Volume 107, 105613, ISSN 1470-160X, <https://doi.org/10.1016/j.ecolind.2019.105613> . **Impact factor 4.958.**

- 15) **Salman Tariq** and Zia ul-Haq, 2018. Ground Based Remote Sensing of Aerosol Properties over a coastal mega-city of Pakistan, *Advances in Meteorology*, vol. 2018, Article ID 3582191, 12 pages, <https://doi.org/10.1155/2018/3582191> . **Impact factor 1.962.**

- 16) **Salman Tariq**, Zia ul-Haq, Khalid Mahmood, Asim Daud Rana, 2018. Spatio-Temporal Distributions and Trends of Aerosol Parameters over Pakistan Using Remote Sensing, *Applied Ecology and Environmental Research*, 16(3):2615-2637. ISSN 1589 1623, DOI: http://dx.doi.org/10.15666/aeer/1603_26152637 , **Impact Factor 0.711.**

- 17) Syeda Adila Batool, Zia ul-Haq, **Salman Tariq**, Asim Daud Rana, Khalid Mahmood, Muhammad Nawaz Chaudhry, 2018. Temporal and spatial variations of NO₂ over Saudi

Arabia and identification of major hotspot areas during 2005-2014 by using satellite data. 5757-5770, Applied Ecology and Environmental Research. **Impact Factor 0.711.**

- 18) Zia ul-Haq, Asim Daud Rana, **Salman Tariq**, Khalid Mahmood, Muhammad Ali, Iqra Bashir, 2018. Modeling of tropospheric NO₂ column over different climatic zones and land use/land cover types in South Asia, Journal of Atmospheric and Solar-Terrestrial Physics. Volume 168, March 2018, Pages 80–99, **Impact factor 1.735.**
- 19) **Salman Tariq**, Zia ul-Haq, Ali Imran, Usman Mehmood, Muhammad Umar Aslam, Khalid Mahmood, 2017. CO₂ emissions from Pakistan and India and their relationship with economic variables, Applied Ecology and Environmental Research. 15(4), 1301-1312. **Impact Factor 0.711.**
- 20) Zia ul-Haq, Zertasha Ramzan, **Salman Tariq**, Syeda Adila Batool, Muhammad Ali, Javed Sami, 2017. Comparison of total ozone column observations from space-borne Ozone Monitoring Instrument with ground-based Dobson Ozone Spectrophotometer at an urban location in Indo-Gangetic Basin, *International Journal of Remote Sensing*, VOL. 39, NO. 2, 544–564, ISSN: 0143-1161 (Print) 1366-5901 (Online), An official journal of the Remote Sensing and Photogrammetry Society published by Taylor & Francis Group. **Impact Factor 3.151.**
- 21) Zia ul-Haq, **Salman Tariq**, Muhammad Ali, 2017. Spatiotemporal Patterns of Correlation between Atmospheric Nitrogen Dioxide and Aerosols over South Asia, *Meteorology and Atmospheric Physics*, vol 129, ISSN 0177-7971, pp 507–527, DOI 10.1007/s00703-016-0485-6, **Impact factor 2.065.**
- 22) Khalid Mahmood, Syeda Adila Batool, Fiza Faizi, Ch. Muhammad Nawaz, Zia ul-Haq, Asim Daud Rana, **Salman Tariq**, 2017. Bio-thermal effects of open dumps on surroundings detected by remote sensing - influence of geographical conditions, *Ecological Indicator* 82, 131–142. **Impact Factor 4.958.**
- 23) Zia ul-Haq, **Salman Tariq**, Muhammad Ali, Asim Daud Rana, Khalid Mahmood, 2017. Satellite sensed tropospheric NO₂ patterns and anomalies over Indus, Ganges, Brahmaputra and Meghna river basins, *International Journal of Remote Sensing*, An official journal of the Remote Sensing and Photogrammetry Society published by Taylor & Francis Group. VOL. 38, NO. 5, 1423–1450, **Impact Factor 3.151.**
- 24) Zia ul-Haq, **Salman Tariq**, Muhammad Ali, 2017. Spatiotemporal assessment of CO₂ emissions and its satellite remote sensing over Pakistan and neighboring regions, *Journal of Atmospheric and Solar-Terrestrial Physics*, 152, 11-19. <http://dx.doi.org/10.1016/j.jastp.2016.11.001> . **Impact factor 1.735.**
- 25) Zia ul-Haq, **Salman Tariq**, Muhammad Ali, 2016. Anthropogenic emissions and space-borne observations of carbon monoxide over South Asia, *Advances in Space Research*, 58

(2016), 1610–1626, ISSN 0273-1177, <http://dx.doi.org/10.1016/j.asr.2016.06.033> ,
Impact factor 2.152.

- 26) Zia ul–Haq, Muhammad Ali, Syeda Adila Batool, **Salman Tariq**, Zarmina Qayyum, 2016. Emissions quantification of refrigerant CFCs, HCFCs and HFCs in megacity Lahore (Pakistan) and contributed ODPs and GWPs, *Journal of Earth System Science*, Springer, DOI 10.1007/s12040-016-0724-8, 125, No. 6, August 2016, ISSN 0253-4126, pp. 1273–1284. **Impact Factor 1.371.**
- 27) Zia ul–Haq, **Salman Tariq**, Muhammad Ali, Khalid Mahmood, Asim Daud Rana, 2016. Sulphur dioxide loadings over megacity Lahore (Pakistan) and adjoining region of Indo-Gangetic Basin, *International Journal of Remote Sensing*, 37:13, 3021-3041, <http://dx.doi.org/10.1080/01431161.2016.1192701> , An official journal of the Remote Sensing and Photogrammetry Society published by Taylor & Francis Group. **Impact Factor 3.151.**
- 28) **Salman Tariq**, Zia-ul-Haq and Muhammad Ali, 2016. Satellite and ground-based remote sensing of aerosols during intense haze event of October 2013 over Lahore, Pakistan. *Asia-Pacific Journal of Atmospheric Sciences*, A publication of The Korean Meteorological Society and Springer, DOI: 10.1007/s13143-015-0084-3, 52(1), 25-33, ISSN 1976-7633, **Impact Factor 2.100.**
- 29) Khalid Mahmood, Zia ul-Haq, Syeda Adila Batool, Asim Daud Rana, **Salman Tariq**, 2016. Application of Temporal GIS to Track Areas of Significant Concern Regarding Groundwater Contamination. *Environmental Earth Sciences* 75:33, 1-11, ISSN 1866-6299, DOI: 10.1007/s12665-015-4844-2, **Impact factor 2.784.**
- 30) Zia-ul-Haq, **Salman Tariq**, and Muhammad Ali, 2015. Atmospheric variability of methane over Pakistan, Afghanistan and adjoining areas using retrievals from SCIAMACHY/ENVISAT, *Journal of Atmospheric and Solar-Terrestrial Physics*, doi:10.1016/j.jastp.2015.11.002, **135**, 161–173, **Impact factor 1.735.**
- 31) **Salman Tariq**, Zia-ul-Haq and Muhammad Ali, 2015. Analysis of Optical and Physical Properties of Aerosols during Crop Residue Burning Event of October 2010 over Lahore, Pakistan. *Atmospheric Pollution Research*, 6, 969–978, ISSN 1309-1042, <http://dx.doi.org/10.1016/j.apr.2015.05.002> , **Impact Factor 4.352.**
- 32) Zia ul-Haq, **Salman Tariq**, Muhammad Ali, 2015. Tropospheric NO₂ trends over South Asia during the last decade (2004-2014) using OMI data. *Advances in Meteorology*, Article ID 959284, 1-18, (Special Issue: Satellite Observation of Atmospheric Compositions for Air Quality and Climate Study (SOAC)), <http://dx.doi.org/10.1155/2015/959284> , **Impact factor 1.962.**

- 33) **Salman Tariq** and Muhammad Ali, 2015. Spatio-temporal Distribution of Absorbing Aerosols over Pakistan Retrieved from OMI Onboard Aura Satellite. *Atmospheric Pollution Research*, Volume 6, Issue 2 (March 2015), Pages 254-266, doi: 10.5094/APR.2015.030. A publication of Turkish National Committee for Air Pollution Research and Control (TUNCAP), ISSN 1309-1042, **Impact Factor 4.352**.
- 34) Zia ul-Haq, Asim Daud Rana, Muhammad Ali, Khalid Mahmood, **Salman Tariq**, Zarmina Qayyum, 2015. Carbon monoxide (CO) emissions and its tropospheric variability over Pakistan using satellite-sensed data, *Advances in Space Research*, VOL 56, 583-595, doi: <http://dx.doi.org/10.1016/j.asr.2015.04.026> , **Impact factor 2.152**.
- 35) Zia ul-Haq, **Salman Tariq**, Asim Daud Rana, Muhammad Ali, Khalid Mahmood and Shahid Pervez, 2015. Satellite remote sensing of total ozone column (TOC) over Pakistan and neighbouring regions, *International Journal of Remote Sensing*, 36:4, 1038-1054, doi: 10.1080/01431161.2015.1007255. An official journal of the Remote Sensing and Photogrammetry Society published by Taylor & Francis Group. **Impact Factor 3.151**.
- 36) Zia ul-Haq, **Salman Tariq**, Muhammad Ali, Khalid Mahmood, Syeda Adila Batool, Asim Daud Rana, 2014. A study of tropospheric NO₂ variability over Pakistan using OMI data. *Atmospheric Pollution Research*, Volume 5, Issue 4 (October 2014), Pages 709-720, doi: 10.5094/APR.2014.080, A publication of Turkish National Committee for Air Pollution Research and Control (TUNCAP), ISSN 1309-1042, **Impact Factor 4.352**.
- 37) Muhammad Ali, **Salman Tariq**, Khalid Mahmood, Asim Daud, Adila Batool, and Zia-ul-Haq, 2014. A Study of Aerosol Properties over Lahore (Pakistan) by Using AERONET Data, *Asia-Pacific Journal of Atmospheric Sciences*, Volume 50, Issue 2 (February 2014), Pages 153-162, doi:10.1007/s13143-014-0004-y, A publication of The Korean Meteorological Society and Springer, ISSN 1976-7633, **Impact Factor 2.100**.

List of Publications in HEC Recognized Local Journals

- 1) **Salman Tariq**, S. A. Batool, A. D. Rana, K. Mahmood, M. Batool, I. Murtaza, A. Hashim, 2013. Variability of size distribution, refractive index and asymmetry parameter of aerosols over Lahore derived from AERONET. *Science International* **24**, 137-139.
- 2) K. Mahmood, A. D. Rana, **Salman Tariq**, S. Kanwal, R. Ali, A. H. Ali and T. Tahseen, 2013. Groundwater Levels Susceptibility to Degradation in Lahore metropolitan. *Science International* **25**, 123-126.
- 3) Khalid Mahmood, Syeda Adila Batool, Asim Daud Rana, **Salman Tariq**, Zulfiqar Ali and Muhammad Nawaz Chaudhry, 2013. Assessment of leachate effects to the drinking water supply units in the down slope regions of municipal solid waste (MSW) dumping sites in Lahore Pakistan. *International Journal of Physical Sciences* Vol.8 (28), pp. 1470-1480. DOI:10.5897/IJPS2013.3927.

Book Chapter

1. Zia ul-Haq, **Salman Tariq**, 2021. Impact of Biomass Burning on Surface-Level Carbon Monoxide over Lahore and Karachi and Their Comparison with South Asian Megacities. “Biomass Burning in South and Southeast Asia” 1st edition, Volume 2, Chapter 4, Edited by Krishna Prasad Vadrevu, Toshimasa Ohara, Christopher Justice - ISBN 9780367076047, DOI: 10.1201/9780429022036-5, published by CRC Press.
2. **Salman Tariq**, Zia ul-Haq, 2018. Satellite remote sensing of aerosols and gaseous pollution over Pakistan. “Land-Atmospheric Research Applications in South and Southeast Asia” edited by Krishna Prasad Vadrevu, Toshimasa Ohara, Christopher Justice - ISBN 978-3-319-67474-2, Series: Springer Remote Sensing/Photogrammetry, pp 543-549, DOI:10.1007/978-3-319-67474-2_24, published by Springer Nature.