

### **List of International Peer-reviewed Impact Factor Publications**

- 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 measurements at an urban location in Indo-Gangetic Basin. *International Journal of Remote Sensing*, 39 (2), 544-564 (Impact Factor: 1.724).
- Zia ul-Haq**, Salman Tariq, Muhammad Ali, Asim Daud Rana, Khalid Mahmood, 2017. Satellite sensed tropospheric NO<sub>2</sub> patterns and anomalies over Indus, Ganges, Brahmaputra and Meghna river basins. *International Journal of Remote Sensing*, DOI: 10.1080/01431161.2017.1283071 (Impact Factor: 1.640).
- 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*, DOI:10.1007/s00703-016-0485-6, (Impact Factor: 1.172).
- Zia ul-Haq**, Salman Tariq, Muhammad Ali, 2017. Spatiotemporal assessment of CO<sub>2</sub> emissions and its satellite remote sensing over Pakistan and neighboring regions. *Journal of Atmospheric and Solar-Terrestrial Physics*, DOI:10.1016/j.jastp.2016.11.001, (Impact Factor: 1.463).
- 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*, 125(6), 1273-1284, DOI:10.1007/s12040-016-0724-8. (Impact Factor: 0.858).
- 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, DOI:10.1080/01431161.2016.1192701. (Impact Factor: 1.640).
- 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, 1610-1626 (Impact Factor: 1.409).
- Zia ul-Haq**, Salman Tariq, 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*, 135, 161-173, DOI: 10.1016/j.jastp.2015.11.002. (Impact Factor: 1.463).
- Zia ul-Haq**, Salman Tariq, Muhammad Ali, 2015. Tropospheric NO<sub>2</sub> trends over South Asia during the last decade (2004-2014) using OMI data. *Advances in Meteorology*, 959284, 18 (Impact Factor: 1.107).

- 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*, 56, 583-595, DOI:10.1016/j.asr.2015.04.026. (Impact Factor: 1.409).
- Zia ul-Haq**, Salman Tariq, Asim Daud Rana, Muhammad Ali, Khalid Mahmood, Shahid Parvez, 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. (Impact Factor: 1.640).
- Zia ul-Haq**, Salman Tariq, Muhammad Ali, Khalid Mahmood, Syeda Adila Batool, Asim Daud Rana, 2014. A study of tropospheric NO<sub>2</sub> variability over Pakistan using OMI data. *Atmospheric Pollution Research*, 5(4), 709-720, DOI: 10.5094/APR.2014.080. (Impact Factor: 1.401).
- Salman Tariq, **Zia ul-Haq**, 2018. Ground Based Remote Sensing of Aerosol Properties over a coastal mega-city of Pakistan. *Advances in Meteorology* (accepted for publication). (Impact Factor: 1.107).
- Syeda Adila Batool, **Zia ul-Haq**, Salman Tariq, Asim Daud Rana, Khalid Mahmood, Muhammad Nawaz Chaudhary, 2018. Temporal and spatial variations of NO<sub>2</sub> over Saudi Arabia and identification of major hotspot areas during 2005-2014 by using satellite data. *Applied Ecology and Environmental Research* (accepted for publication) (Impact Factor: 0.681).
- 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* (accepted for publication). (Impact Factor: 0.681).
- 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 Indicators* 82, 131-142, <https://doi.org/10.1016/j.ecolind.2017.06.042> (Impact Factor: 3.898).
- Salman Tariq, **Zia ul-Haq**, Ali Imran, Usman Mehmood, Muhammad Aslam, Kahlid Mehmood, 2017. CO<sub>2</sub> emissions from Pakistan and India and their relationship with economic variables. *Applied Ecology and Environmental Research*, 15(4), 1301-1312, DOI: [http://dx.doi.org/10.15666/aeer/1504\\_13011312](http://dx.doi.org/10.15666/aeer/1504_13011312). (Impact Factor: 0.50).
- Khalid Mahmood, Adila Batool, Muhammad Nawaz, **Zia ul-Haq**, 2017. Ranking criteria for the assessment of municipal solid waste dumping sites. *Archives of Environmental Protection*. 43 (1), 95-105, DOI 10.1515/aep-2017-0009, Impact Factor 0.919.
- Salman Tariq, **Zia ul-Haq**, 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*, 52(1), 25-33. DOI: 10.1007/s13143-015-0084-3. (Impact Factor: 1.611).
- Khalid Mahmood, Syeda Adila Batool, Muhammad Nawaz, **Zia ul-Haq**, 2017. Ranking criteria for the assessment of municipal solid waste dumping sites. *Archives of Environmental Protection*, 43 (1), 97-107. (Impact Factor: 0.919).

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), DOI: 10.1007/s12665-015-4844-2. (Impact Factor: 1.765).

Salman Tariq, **Zia ul-Haq**, 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, DOI:10.1016/j.apr.2015.05.002. (Impact Factor: 1.401).

Muhammad Ali, Salman Tariq, Khalid Mahmood, Asim Daud Rana, Adila Batool, **Zia ul-Haq**, 2014. A study of aerosol properties over Lahore (Pakistan) by using AERONET data. *Asia-Pacific Journal of Atmospheric Sciences*, 50, 153-162, DOI:10.1007/s13143-014-0004-y. (Impact Factor: 1.611).

### **Book Chapter**

Salman Tariq, **Zia ul-Haq** (2018). Satellite remote sensing of aerosols and gaseous pollution over Pakistan. In Krishna Prasad Vadrevu, Toshimasa Ohara & Chris Justice (Eds.), *“Land Atmospheric Interactions in Asia”*. (a project of NASA and University of Maryland, USA)-Springer Book ISBN 978-3-319-67473-5.