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| **Name:** Mudasir Ahmad Bhat | **Recent Passport Size Photo H** **ere** |
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| **Supervisor:** Prof. Shakil Ahmad Romshoo |
| **Research Area: A**tmospheric Aerosols |
| **Research Interests:**The key research interests of Mudasir Ahmad are studying different aspects of air pollution over Kashmir Himalaya using ground observation, satellite remote sensing and modelling approaches. The main focus is to study the temporal variability of fine mode particulate matter (PM1O, PM2.5) and BC aerosol, their source apportionments and potential source region identification and pollution pathways. Impact of synoptic/dynamic meteorology and orography on dispersion and transportation of aerosols in complex mountain system. Modeling aerosol optical properties and their radiative forcing and Impact of aerosol deposition on Cryosphere.  |
| **Recent Publications**1. **Bhat, M. A.**, Romshoo, S. A., & Beig, G. (2022). Characteristics, source apportionment and long-range transport of black carbon at a high-altitude urban centre in the Kashmir valley, North-western Himalaya. *Environmental Pollution*, 305, 119295. (**IF: 9.99)**
2. Romshoo, S. A., **Bhat, M. A.,** & Beig, G. (2021). Particulate pollution over an urban Himalayan site: Temporal variability, impact of meteorology and potential source regions. *Science of the Total Environment*, 799, 149364. (**IF: 10.75)**
3. **Bhat, M. A.,** Romshoo, S. A., & Beig, G. (2021). Measurement and modelling of particulate pollution over Kashmir Himalaya, India. *Water, Air, & Soil Pollution,* 232(3), 1-22. (**IF: 3)**
4. **Bhat, M. A.,** Romshoo, S. A., & Beig, G. (2018). Aerosol black carbon at an urban site-Srinagar, Northwestern Himalaya, India: Seasonality, sources, meteorology and radiative forcing. Atmospheric Environment, 165, 336-348. (**IF: 5.75)**
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