

# CURRICULUM VITAE

## Dr. Imtiaz Ahmed

Assistant Professor

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## CAREER OBJECTIVE

Dedicated Environmental and Atmospheric researcher/academician with a Ph.D. and academic leadership experience, seeking to contribute to higher education and research through quality teaching, advanced research in air pollution and climate studies, and active involvement in curriculum development, student mentoring, and institutional growth, with a special focus on Himalayan and high-altitude regions.

## ACADEMIC QUALIFICATION

S.No.	Qualification	University / Board	Year	Per %
1	12th	CBSE	2013	80
2	B.Sc.	University of Jammu	2016	60
3	M.Sc.	Central University of Jammu	2019	70
4	Ph.D.	CSIR-National Physical Laboratory, Delhi	2025	NA

## OTHER QUALIFICATION

- UGC/NET-JRF, 2019
- ICAR-NET, 2021
- IIT-GATE, 2023
- JK-SET, 2022
- Basic Knowledge of Computer
- Data processing and analysis skills using advanced softwares.

## WORK EXPERIENCE

- 2 Years of experience as Assistant Professor & Head, Department of Environmental Science (GDC Poonch, JK-HED).
- Guided 10 M.Sc. students for their project/dissertation for the award of degree of M.Sc. in Environmental Science from IGNOU, Delhi.
- Member of the Metrology Society of India.

- 2 Years as JRF (Ph.D.).
- 3 Years as SRF (Ph.D.)

## RESEARCH/ACADEMIC EXPERTISE

(1) Ph.D. thesis Title: Physicochemical Characterization of Atmospheric Particles over Jammu & Kashmir and Ladakh.

(2) Research Domain: Environmental Science, Earth Science, Atmospheric Science, Climate Studies, Altitudinal Pollution Studies, Glacier Melting, and Himalayan Environment & Cryosphere.

## PUBLICATIONS & PROCEEDINGS

- Ahmed, Imtiaz, et al. "Variability of Carbonaceous Aerosols in Two Distinct Climatic Zones of the North Western-Himalaya (India): An Expedition during Summer 2022." *Indian Journal of Pure & Applied Physics* 63.3 (2025).
- Singh, R., Mishra, S. K., Srivastava, A. K., Patel, V., & Ahmed, I. (2026). Investigating the Effect of Anthropogenic Fire Ritual on Cloud Microphysics in Current Scenario: A Novel Study on Aerosol-Cloud Interaction. *Indian Journal of Pure & Applied Physics (IJPAP)*, 64(1).
- Ahmed, Imtiaz, et al. "Carbonaceous Particles over Two Different Climatic Zones of North Western Himalaya (India): An Expedition During Summer 2022." *AGU Fall Meeting Abstracts*. Vol. 2023. No. 2215. 2023.
- Singh, Rishabh, Imtiaz, et al. "YAGYA: An Ancient Fire Ritual Practice of India for Sustainable Cloud Seeding." *AGU Fall Meeting Abstracts*. Vol. 2023. No. 7. 2023.
- Tanwar, Padma, Imtiaz, et al. "Physico-chemical Characterization of Particulate Matter with Varying Altitude in Typical Urban Environment over New Delhi." *AGU Fall Meeting Abstracts*. Vol. 2023. 2023.
- Ahmed, I., Mishra, S. K., Singh, R., & Padma. (2023). Three years (2019–21) study of aerosol optical depth (AOD), Angstrom exponent (AE) over Kashmir Valley (North-Western Himalaya). *Proceedings of the Global Indian Young Scientists Research and Innovation Conference (Global Indian Young Scientists Research and Innovation Conference 2023)*.
- Ahmed, I., Mishra, S.K., Singh, R., Padma. "Satellite-based observation of AOD and Back trajectory analysis of winds over Kashmir Valley (Akash Tattva, 2022)".
- Hao, Y., Goel, V., Pandey, A., Kumar., A., Faisal., M., Ali., U., Upadhyay, Ahmed, I., A.K.,& Khare., P.,(2025, May). Tracking the Aging of Biomass Burning Organic Aerosols: Molecular Insights from Punjab's Stubble Fires and Their Implications for South Asia's Haze.
- Investigating the Effect of Anthropogenic Fire Ritual on Cloud Microphysics in Current Scenario: A Novel Study on Aerosol-Cloud Interaction -2025, R Singh, SK Mishra, AK Srivastava, V Patel, Imtiaz A, Padma (Indian Journal of Pure & Applied Physics, Vol. 64 N0.12 (2025).
- Padma, Mishra, S. K., Ahmed, I., & Singh, R. (2023). Physico-chemical characterization of PM with varying altitude in typical urban environment over New Delhi. *Proceedings of the Global Indian Young Scientists Research and Innovation Conference (GI-YSRI 2023)*, 31 May–2 June 2023.
- Singh, R., Mishra, S. K., Patel, V., Ahmed, I., & Padma. (2023). Physicochemical characterization of Yagya particles. *Proceedings of the Global Indian Young Scientists Research and Innovation Conference (GI-YSRI 2023)*, 31 May–2 June 2023.
- Characterization of Atmospheric Particles over Kashmir Valley and Ladakh: Implications for Environment & Climate in North-West Himalayas. (Oral and Poster presentation at India

International Science Festival-2025).

- International Conference on Environmental Science and Engineering-ICESE 2022 (Indian Institute of Technology Bombay, Mumbai).
- National Symposium on Energy, Environment, and Sustainable Development (EESD-20219), Central University of Jammu.
- National Conference on Climate Change, Societal Consequences and Mitigation: Future Vision (NCCCSM-2018), Central University of Jammu.
- One Day Live-Symposium on Glacier Preservation, on the eve of World Water Day-2025 by Department of Environmental Sciences, University of Kashmir.
- Characterization of Atmospheric Particles over Kashmir Valley and Ladakh: Implications for Environment & Climate in North-West Himalayas presented at India International Science Festival-2025.

## PERSONAL INFORMATION

Father's Name : Mohd Azam  
Date of Birth : 1994-03-26  
Language Known : English, Urdu & Hindi  
Gender : Male  
Nationality : Indian  
Marital Status : Unmarried

## DECLARATION

I hereby declared that the above information given by me is true to best of my Knowledge.

**Date :**

**Place : Jammu And Kashmir**

**(Dr. Imtiaz Ahmed)**