



**Contact Details:**

**Dr. Ankit Tandon**

Assistant Professor

Department of Environmental Sciences

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**Academic Qualification:**

Ph.D.

**Positions Held:**

- **Assistant Professor** (on contract) in the Department of Ecology and Environmental Sciences at **Central University of Jammu**, Jammu (J&K), India. (Aug, 2012 – Nov, 2012)
- **DST Young Scientist** at School of Environmental Sciences, **Jawaharlal Nehru University**, New Delhi (Dec, 2009 – Jul, 2012)
- **Research Associate** at School of Environmental Sciences, **Jawaharlal Nehru University**, New Delhi (Dec, 2008 – Nov, 2009)

**Specialisation:**

**Atmospheric Science**

**Research Interest:**

- Dynamics of Atmospheric Ozone
- Chemistry and Dynamics of Atmospheric Aerosols
- Time-series analysis of Atmospheric variables
- Statistical analysis of Atmospheric data-sets

**Publications:**

- 1) **Ankit Tandon**, Sudesh Yadav and Arun K. Attri (2008), City-wide sweeping a source for respirable particulate matter in the atmosphere, **Atmospheric Environment**, 42, 1064–1069. [Elsevier; IF: 3.465; Citations: 15]
- 2) **Ankit Tandon**, Sudesh Yadav and Arun K. Attri (2010), Coupling between meteorological factors and ambient aerosol load, **Atmospheric Environment**, 44, 1237–1243. [Elsevier; IF: 3.465; Citations: 8]

- 3) **Ankit Tandon** and Arun K. Attri (2011), Trends in Total Ozone Column over India: 1979-2008, **Atmospheric Environment**, 45, 1648-1654. [Elsevier; IF: 3.465; Citations: 3]
- 4) Shweta Yadav, **Ankit Tandon** and Arun K. Attri (2012), Monthly and seasonal variations in aerosol associated n-alkane profile in relation to meteorological parameters, **Aerosol and Air Quality Research**, 13, 1, 287-300. doi: 10.4209/aaqr.2012.01.0004. [IF: 2.827; Citations: 1]
- 5) **Ankit Tandon**, Shweta Yadav and Arun K. Attri (2012), Analysis of Annual Cyclic Variations in Total Ozone Column over Indian Region, **Journal of Atmospheric Chemistry**, 69, 4, 321-335. doi:10.1007/s10874-012-9243-4. [Springer; IF: 0.985]
- 6) Shweta Yadav, **Ankit Tandon** and Arun K. Attri (2013), Distribution profile of aerosol associated Non-Polar Organic Compounds (NPOCs): implications for the sources of organic aerosols in an urban environment, **Journal of Hazardous Materials**, doi: 10.1016/j.jhazmat.2013.02.024 (Article in Press). [Elsevier; IF: 4.173]
- 7) **Ankit Tandon**, Shweta Yadav and Arun K. Attri (2013), Non-linear analysis of short term variations in ambient visibility, manuscript accepted for publication in **Atmospheric Pollution Research**.

#### Research Projects

##### Completed/Ongoing:

Project Title: “**Investigation of the Aerosol Dynamics and Development of a Technique to Determine the Baseline Aerosol Load in Urban Atmosphere**”

Funded by DST (Rs. 24.72 Lakhs)

[Dec. 2009 – Nov. 2012]

#### MPhil/PhD

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##### Supervised/Supervising:

#### Participation in Seminars/Conferences:

##### Oral Presentation in various International or National Conferences/ Training programs

- 1) Short-term variations in Atmospheric Visibility: An Investigation based on Empirical Mode Decomposition, in National Seminar on Environmental Pollution and its Mitigation Strategies (28-29 March 2012), organized by SES, JNU, New Delhi. **National**
- 2) Coupling between Ambient Aerosol Dynamics and Meteorological Factors: A Case Study from New Delhi, India, in European Research Course on Atmospheres (ERCA-11), Grenoble, France. **International**
- 3) Long-term trends in the Total Ozone Column over Indian Region, in Fourth International Conference on Plants & Environmental Pollution (ICPEP-4), Organized by ISEB, at NBRI, Lucknow, India. **International**

**Poster Presentation and/or Abstract Published in various International or National Conferences/ Training programs**

- 1) Shweta Yadav, **Ankit Tandon**, Behjat Huma, Sudesh Yadav, Arun K. Attri (2012), Temporal Variations in source characteristics of aerosols in two size fractions: A four year study from Delhi, India, in National Seminar on Environmental Pollution and its Mitigation Strategies (28-29 March 2012), organized by SES, JNU, New Delhi. *National*
- 2) Behjat Huma, Shweta Yadav, **Ankit Tandon**, Arun K. Attri (2012), Non-linear analysis of variability in aerosol load and associated chemical attributes with respect to meteorological variables on samples collected from Srinagar region, in National Seminar on Environmental Pollution and its Mitigation Strategies (28-29 March 2012), organized by SES, JNU, New Delhi. *National*
- 3) Ajay Kumar, **Ankit Tandon**, Arun K. Attri (2012), Leaf reflectance variation due to particulate dust deposition and its implications to leaf biological activity, in National Seminar on Environmental Pollution and its Mitigation Strategies (28-29 March 2012), organized by SES, JNU, New Delhi. *National*
- 4) Bikaram Sen Sahoo, **Ankit Tandon**, Arun K. Attri (2012), Tweaking ambient environment's warming by altering surface reflectance properties, in National Seminar on Environmental Pollution and its Mitigation Strategies (28-29 March 2012), organized by SES, JNU, New Delhi. *National*
- 5) **Ankit Tandon**, Shweta Yadav and Arun K. Attri (2010), Role of Meteorological Factors in the Ambient Aerosol Dynamics, in International Congress of Environmental Research – 2010 (ICER-10), Mauritius. *International*
- 6) Shweta Yadav, **Ankit Tandon**, and Arun K. Attri (2010), Identification and quantitative estimation of organics present in PM10 size fraction of aerosols by using Thermal Desorption GC-MS, in International Congress of Environmental Research – 2010 (ICER-10), Mauritius. *International*
- 7) **Ankit Tandon** and Arun K. Attri (2008), Quantifying the minimum possible Aerosol Load (RSPM and SPM) in Delhi, in International Workshop on Climate Change & its Impact on Flora in the South Asia Region, Organized by NBRI, Lucknow, India and SACEP, Colombo, Sri Lanka. *International*
- 8) **Ankit Tandon** and Arun K. Attri (2005), Statistical Analysis of Stratospheric Ozone Column from 1957-2005 over Five Locations in India, in Third International Conference on Plants & Environmental Pollution (ICPEP-3), Organized by ISEB, at NBRI, Lucknow, India. *International*

**Membership of Learned Societies/ Professional Bodies:** -

**Awards & Honours Received:**

- Qualified Joint CSIR-UGC NET-JRF ( June 2004)
- Qualified UGC-NET for Lectureship ( June 2003)
- Qualified GATE – 2003
- Awarded an individual research project under the Fast Track Scheme for Young Scientists by Department of Science and Technology, Government of India.

**Others:**

**Professional Coursework & Trainings**

European Research Course on Atmospheres – 2011, organized by Université Joseph Fourier, Grenoble, France (10 Jan, '11 – 11 Feb, '11)

**Reviewer for Peer Reviewed International Journals**

Atmospheric Environment [Elsevier]