

Brief Curriculum Vitae of Dr. Ankit Tandon:

Name: Dr. Ankit Tandon
Designation: Assistant Professor
Institution Name & Department of Environmental Sciences,
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Education

- **Diploma of European Research Course on Atmospheres - 2011**, Universite Joseph Fourier, France (Jan, 2011 - Feb, 2011)
- **Ph.D.**, Environmental Sciences, **Jawaharlal Nehru University** (2003 – 2008)
Topic: **“Statistical Analysis of Ozone Column over India”**
[Supervisor: Prof. Arun K. Attri]
- **M.Sc.**, Environmental Sciences, **Jawaharlal Nehru University** (2001 - 2003)
[FGPA 7.56 on 0-9 scale]
M.Sc. Dissertation Title: **“Sensitivity Analysis of Simplified Model of Tropospheric Ozone Formation”**

Post PhD Professional Experience [~ 13 Years]

- **Assistant Professor**, Department of Environmental Sciences, **Central University of Himachal Pradesh**, (Nov., 2012 - till date)
- **Postdoctoral Visiting Scholar**, MEAS, **NC State University**, USA (Sep., 2017 – Feb., 2018)
Project Title: **"Influence of particle morphology and mixing state on the water uptake and cloud forming properties of sub-200 nm particle"**
- **Assistant Professor** (on contract), Department of Ecology and Environmental Sciences, **Central University of Jammu**, (Aug., 2012 – Nov., 2012)
- **DST Young Scientist**, School of Environmental Sciences, **Jawaharlal Nehru University** (Dec., 2009 – Nov., 2012)
- **Research Associate**, School of Environmental Sciences, **Jawaharlal Nehru University** (Dec, 2008 - Nov, 2009)

Project Title: "Morphological and chemical composition of carbonaceous fraction of aerosols in PM₁₀, PM_{2.5}, PM_{1.0} and free fall samples in relation to the climate change"

Research Projects as Principal Investigator:

Project Title: "Investigation of the Aerosol Dynamics and Development of a Technique to Determine the Baseline Aerosol Load in Urban Atmosphere"
Funded by DST (₹ 24.72 Lakhs)

Project Title: "Developing Emission Inventory for Non-Attainment Cities of India" Funded by Centre for Study of Science, Technology and Policy (CSTEP) (₹ 13.17 Lakhs)

Project Title: "Water Conservation and harvesting strategies vision: To ensure water security and its sustainable use, conservation and management in the Himalayan region" Funded by University Grants Commission (UGC) under Thematic Studies being conducted by the Consortium of Central Universities in Himalayan States (₹ 3.03 Lakhs)

Ph.D. Students Supervised:

Deepika Kaushal (As Supervisor)	<i>Study of Water-Soluble Ionic and Carbonaceous Species Associated with Ambient Aerosols in District Kangra, Himachal Pradesh</i>	Central University of Himachal Pradesh
Bikram Sen Sahu (As Co-Supervisor)	<i>Analysis of Long-term Variability in Total Ozone Column and Erythematous Ultra-Violet Radiation over Indian Region : Their Functional Relationship with Atmospheric Factors</i>	Jawaharlal Nehru University

Ph.D. Students Under-Supervision & Current Research Interests

<i>Candidate</i>	<i>Proposed Title of Ph.D. Thesis</i>	<i>Area of Research</i>
Sarita Bamotra	<i>Studies on Mass Closure and Source Apportionment of PM_{2.5} Aerosol in Jammu City of J&K (UT) India</i>	Aerosol Chemistry
Ashish Dogra	<i>Studies on Long-term Variations in Rainfall Characteristics over Indian regions</i>	Climate Dynamics
Chhabeel Kumar	<i>Studies on Ozone Dynamics over Indian region</i>	Ozone Dynamics
Abinash	<i>Studies on Secondary Inorganic Aerosols in Dhauladhar region of the North-Western Himalaya</i>	Aerosol Chemistry

Publications

International Peer Reviewed Journals: 19

Cumulative Impact Factor: 77.67

h-index: 10*

*Source: Google Scholar

Book Chapters: 2

Total Citations: 331*

i10-index: 10*

List of Publications in International Peer Reviewed Journals:

19. Kumar, C., Dogra, A., Yadav, S., Tandon, A., Attri, A. K., 2022, Apportionment of long-term trends in different sections of total ozone column over tropical region, **Environmental Monitoring and Assessment**, 194 (4), 298. <https://doi.org/10.1007/s10661-022-09980-z>
[ISSN: 1573-2959; Springer Verlag; Scimago: Q2-Environmental Science and Pollution; Journal Citation Reports® Impact Factor: 2.513]

18. Sahu, B. S., Maharana, P., Tandon, A., Attri, A. K., 2021, Surface Reflectance Change can Induce Reduction in the Surrounding Ambient Environment Warming, **Journal of Climate Change**, 7 (2), 63-72. <https://doi.org/10.3233/JCC210012>
[ISSN: 2395-7697; IOS Press; No. of citations (Google Scholar): 1]

17. Yadav, R. et al., 2020, Comparison of ambient air pollution levels of Amritsar during foggy conditions with that of five major north Indian cities: Multivariate analysis and air mass back trajectories, **S. N. Applied Sciences**, 2 (11), 1-11. <https://doi.org/10.1007/s42452-020-03569-2>
[ISSN: 2523-3971; Springer-Nature; No. of citations (Google Scholar): 2]

16. Kaushal, D., Bamotra, S., Yadav, S., Chatterjee, S., **Tandon, A.**, 2020, Particulate bound Polycyclic Aromatic Hydrocarbons over Dhauladhar region of North-Western Himalayas, **Chemosphere**, 263 (2021), 128298, <https://doi.org/10.1016/j.chemosphere.2020.128298>.
[ISSN 0045-6535; Elsevier; Scimago: Q1-Environmental Chemistry; Clarivate Analytics Impact Factor: 7.086; No. of citations (Google Scholar): 3]

15. Kaushal, D., Yadav, S., **Tandon, A.**, 2020, Water-soluble ionic species in atmospheric aerosols over Dhauladhar region of North-Western Himalaya. **Environmental Science and Pollution Research**, 89, 1-13. <https://doi.org/10.1007/s11356-020-10117-3>
[ISSN: 1614-7499; Springer Verlag; Scimago: Q2-Environmental Chemistry and Pollution; Journal Citation Reports® Impact Factor: 4.223; No. of citations (Google Scholar): 1]

14. Kaushal, D., Bamotra, S., Yadav, S., **Tandon, A.**, 2020, Aerosol-associated n-alkanes over Dhauladhar region of North-Western Himalaya: seasonal variations in sources and processes, **Environmental Monitoring and Assessment**, 192 (8), 1-18. <https://doi.org/10.1007/s10661-020-08483-z>
[ISSN: 1573-2959; Springer Verlag; Scimago: Q2-Environmental Science and Pollution; Journal Citation Reports® Impact Factor: 2.513]

13. Yadav, S., Bamotra, S., **Tandon, A.**, 2020, Aerosol-associated non-polar organic compounds (NPOCs) at Jammu, India, in the North-Western Himalayan Region: seasonal variations in sources and processes. **Environmental Science and Pollution Research**, 27, 18875-18892. <https://doi.org/10.1007/s11356-020-08374-3>
[ISSN: 1614-7499; Springer Verlag; Scimago: Q2-Environmental Chemistry and Pollution; Journal Citation Reports® Impact Factor: 4.223; No. of citations (Google Scholar): 5]

12. **Tandon, A.**, Rothfuss, N.E., Petters, M.D., 2019, The effect of hydrophobic glassy organic material on the cloud condensation nuclei activity of internally mixed particles with different particle morphologies, **Atmospheric Chemistry and Physics**, 19, 3325-3339. <https://doi.org/10.5194/acp-19-3325-2019>

[ISSN 1680-7324; Copernicus Publications; Scimago: Q1-Atmospheric Science; Clarivate Analytics Impact Factor: 6.133; No. of citations (Google Scholar): 15+2(Discussion Paper)]

11. Kaushal, D., Kumar, A., Yadav, S., **Tandon, A.**, Attri, A.K., 2018, Winter-time carbonaceous aerosols over Dhauladhar region of North-Western Himalayas, **Environmental Science and Pollution Research**, 25 (8), 8044-8056. <https://doi.org/10.1007/s11356-017-1060-5>

[ISSN: 1614-7499; Springer Verlag; Scimago: Q2-Environmental Chemistry and Pollution; Journal Citation Reports® Impact Factor: 4.223; No. of citations (Google Scholar): 22]

10. Sahu, B.S., **Tandon, A.**, Attri, A.K., 2017, Roles of ozone depleting substances and solar activity in observed long-term trends in total ozone column over Indian region, **International Journal of Remote Sensing**, 38 (18), 5091-5105. <https://doi.org/10.1080/01431161.2017.1333654>

[ISSN: 1366-5901; Taylor & Francis; Scimago: Q1-Earth & Planetary Sciences; Impact Factor: 3.151; No. of citations (Google Scholar): 5]

9. Yadav, S., **Tandon, A.**, Tripathi, J.K., Yadav, S., Attri, A.K., 2016, Statistical assessment of respirable and coarser size ambient aerosol sources and their timeline trend profile determination: A four year study from Delhi, **Atmospheric Pollution Research**, 7 (1), 190-200. <https://doi.org/10.1016/j.apr.2015.08.010>

[ISSN: 1309-1042; Elsevier BV; Scimago: Q2-Atmospheric Science and Pollution; Clarivate Analytics Impact Factor: 4.352; No. of citations (Google Scholar): 17]

8. Yadav, S., **Tandon, A.**, Attri, A.K., 2014, Timeline trend profile and seasonal variations in nicotine present in ambient PM₁₀ samples: A four year investigation from Delhi region, India, **Atmospheric Environment**, 98, 89-97. <https://doi.org/10.1016/j.atmosenv.2014.08.058>

[ISSN: 1352-2310; Elsevier BV; Scimago: Q1-Environmental Science; Clarivate Analytics Impact Factor: 4.798; No. of citations (Google Scholar): 12]

7. Yadav, S., **Tandon, A.**, Attri, A.K., 2013b, Characterization of aerosol associated non-polar organic compounds using TD-GC-MS: A four year study from Delhi, India, **Journal of Hazardous Materials**, 252-253, 29-44. <https://doi.org/10.1016/j.jhazmat.2013.02.024>

[ISSN: 0304-3894; Elsevier BV; Scimago: Q1-Environmental Chemistry and Pollution; Clarivate Analytics Impact Factor: 10.588; No. of citations (Google Scholar): 50]

6. **Tandon, A.**, Yadav, S., Attri, A.K., 2013, Non-linear analysis of short term variations in ambient visibility, **Atmospheric Pollution Research**, 4 (2), 199-207. <https://doi.org/10.5094/APR.2013.020>

[ISSN: 1309-1042; Elsevier BV; Scimago: Q2-Atmospheric Science and Pollution; Clarivate Analytics Impact Factor: 4.352; No. of citations (Google Scholar): 11]

5. Yadav, S., **Tandon, A.**, Attri, A.K., 2013a, Monthly and seasonal variations in aerosol associated n-alkane profiles in relation to meteorological parameters in New Delhi, India, **Aerosol and Air Quality Research**, 13 (1), 287-300. <https://doi.org/10.4209/aaqr.2012.01.0004>
[ISSN: 1680-8584; AAGR - Taiwan Association of Aerosol Research; Scimago: Q1-Pollution; Clarivate Analytics Impact Factor: 3.063; No. of citations (Google Scholar): 41]
4. **Tandon, A.**, Yadav, S., Attri, A.K., 2012, Analysis of annual cyclic variations in total ozone column over Indian region, **Journal of Atmospheric Chemistry**, 69 (4), 321-335. <https://doi.org/10.1007/s10874-012-9243-4>
[ISSN: 1573-0662; Kluwer Academic Publisher; Scimago: Q3-Atmospheric Science; Impact Factor: 2.158; No. of citations (Google Scholar): 4]
3. **Tandon, A.**, Attri, A.K., 2011, Trends in total ozone column over India: 1979-2008, **Atmospheric Environment**, 45 (9), 1648-1654. <https://doi.org/10.1016/j.atmosenv.2011.01.008>
[ISSN: 1352-2310; Elsevier BV; Scimago: Q1- Environmental Science; Clarivate Analytics Impact Factor: 4.798; No. of citations (Google Scholar): 33]
2. **Tandon, A.**, Yadav, S., Attri, A.K., 2010, Coupling between meteorological factors and ambient aerosol load, **Atmospheric Environment**, 44 (9), 1237-1243. <https://doi.org/10.1016/j.atmosenv.2009.12.037>
[ISSN: 1352-2310; Elsevier BV; Scimago: Q1- Environmental Science; Clarivate Analytics Impact Factor: 4.798; No. of citations (Google Scholar): 35]
1. **Tandon, A.**, Yadav, S., Attri, A.K., 2008, City-wide sweeping a source for respirable particulate matter in the atmosphere, **Atmospheric Environment**, 42 (6), pp. 1064-1069. <https://doi.org/10.1016/j.atmosenv.2007.12.006>
[ISSN: 1352-2310; Elsevier BV; Scimago: Q1-Environmental Science; Clarivate Analytics Impact Factor: 4.798; No. of citations (Google Scholar): 72]