


<b>Title</b>	Dr.	<b>First Name</b>	Subhash	<b>Last Name</b>	Chandra	<b>Photograph</b>
<b>Designation</b>	Assistant Professor					
<b>Address (Campus)</b>	Department of Environmental Studies, Vivekananda College, Vivek Vihar, Delhi - 110095					
<b>(Residence)</b>						
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<b>Web-Page</b>						
<b>Educational Qualifications</b>	B.Sc., M.Sc., and Ph.D.					
<b>Degree</b>	<b>Institution</b>				<b>Year</b>	
Ph.D.	Academy of Scientific and Innovative Research (AcSIR), CSIR-NPL, New Delhi				2016	
M.Sc.	Jawaharlal Nehru University, New Delhi				2010	
<b>Career Profile</b>						
<b>Designation</b>					<b>Duration</b>	
Assistant Professor, Vivekananda College					06-02-2024-	
Assistant Professor (Ad-hoc), Vivekananda College					10.01.2017 – 05-02-2024	
<b>Administrative Assignments:</b>						
<ul style="list-style-type: none"> <li>▪ Member of Internal Quality Assurance Committee, Vivekananda College, 2016-18</li> <li>▪ Member of Students Union Committee, Vivekananda College, 2016-18</li> <li>▪ Member of Garden and Environment Committee, Vivekananda College, 2018-20</li> <li>▪ Teacher In-Charge, Department of Environmental Science, Vivekananda College, 2019-21</li> <li>▪ Teacher In-Charge, Department of Environmental Science, Vivekananda College, 2023-24</li> <li>▪ Member of Internal Quality Assurance Committee, Vivekananda College, 2021-24</li> </ul>						
<b>Subjects Taught:</b>						
Natural Resources						
Ecosystems						
Biodiversity						
Environmental Pollution						
Social Issues and the Environment						
<b>Areas of Interests:</b>						
Chemical characteristics of particulate matters and Transport pathways						
Toxicity of PM2.5 and PM10						
Greenhouse gases and Climate change						
Sustainable development						

## Research Guidance:

### Publications profile:

#### Publication in peer-reviewed/SCI Journals:

1. Investigating Day and Nighttime Variability of Major Water-Soluble Inorganic Species and Role of Reactive Nitrogen Species in PM<sub>2.5</sub> and PM<sub>10</sub> - A Two Year Study  
**S Chandra**, M J Kulshrestha, R Singh *Current World Environment* (2021) Vol. 16, No. (Special Issue 1) 2021, Pg. 32-44 ISSN: 0973-4929 (Doi: <http://dx.doi.org/10.12944/CWE.16.>)  
(**IF = 0**, Citation = 0, H index = 3, web of science)
2. Episodic Measurements of PM<sub>2.5</sub> during Crop Residue Burning and Diwali Periods at Delhi  
K Kumar, S Singh, **S Chandra**, MJ Kulshrestha  
*Journal of Indian Geophysical Union* (2020) Vol 24 (4), 40-50  
(IGU, **IF = 0.31**, Citation = 4) ISSN: 0257-7968 (Thomson Reuters)
3. Investigating daytime and night-time differences with the seasonal trend and sources of inorganic fine aerosols in Indo-Gangetic plain.  
**S Chandra**, M J Kulshrestha<sup>1</sup>, B Kumar and R K Kotnala (2019). *Journal of Earth System Science* (2019) vol 128; pp 128:40  
<https://doi.org/10.1007/s12040-018-1064-7> ISSN: 2347-4327 (print)  
(Springer, **IF=2.0**, Citation = 11, H index = 58, Scopus)
4. Impact of dust storm on phytoplankton bloom over the Arabian Sea: a case study during March 2012.  
K Bali, A K Mishra, S Singh, **S Chandra**, and Y Lehahn (2019)  
*Environmental Science and Pollution Research* (2019) vol 26: pp11940–11950;  
<https://doi.org/10.1007/s11356-019-04602-7>: Print ISSN 0944-1344  
(Springer, **IF=5.8**, Citation = 24, H index = 132, Scopus)
5. Chemical characteristics of trace metals in PM<sub>10</sub> and their concentrated weighted trajectory analysis at Central Delhi, India  
**S Chandra**, M J Kulshrestha, R Singh, N Singh  
*Journal of Environmental Sciences* (2017) vol 55 pp 184-196  
(<http://dx.doi.org/10.1016/jes.2016.06.028>) ISSN: 1001-0742  
(Elsevier, **IF = 6.9**, Citation = 33, H index = 109, Scopus)
6. Chemical constituents in PM<sub>10</sub> aerosols during Diwali and Holi festivals in Delhi  
R Singh, **S Chandra**, M J Kulshrestha, Rashmi  
*Journal of Indian Geophysical Union* (2016) Vol 20, No. 4 pp 440-444  
ISSN: 0257-7968 (Thomson Reuters)  
(IGU, **IF = 0.31**, Citation = 4)
7. Impact of anthropogenic emissions and open biomass burning on carbonaceous aerosols in Urban and Rural Environments of Indo-Gangetic Plain.  
R Singh, M J Kulshrestha, B Kumar, and **S Chandra**  
*Air Quality, Atmosphere & Health* (2016) vol 9, Issue 7, pp 809–822  
(doi: 10.1007/s11869-015-0377-9) ISSN: 1873-9326 (electronic version)  
(Springer, **IF = 5.1**; Citation = 41, H index = 52, Scopus)

8. Temporal variation and Concentration Weighted Trajectory Analysis of Lead in PM<sub>10</sub> Aerosols at a Site in Central Delhi, India.

**S. Chandra**, M. J. Kulshrestha, and R. Singh

*International Journal of Atmospheric Science* (2014) vol 2014, pp 1-8

(doi:10.1155/2014/323040) (ISSN 2314-4130 (Online) DOI: 10.1155/9738)

(Hindawi, **IF = 0**; Citation = 23)

**Google Scholar Citation: 140; h-index 5; i10-index 5**

<https://scholar.google.co.in/citations?user=Et096XgAAAAJ&hl=en>

#### **Proceeding papers:**

1. Temporal variation of atmospheric pollutants at central Delhi, India  
**S. Chandra**, A. K. Mishra, A. Kumar, S. Jose, S. Tiwari and S. Singh  
Proceedings of Indian Aerosol Science and Technology Association; Conference on Aerosols and Climate Change: Insights and Challenges (IASTA BULLETIN 2016, Vol. 22 Issue 1 & 2, page 149; ISSN 09714510)
2. Addressing the gaps between ground- and satellite-derived aerosol properties  
A. K. Mishra, S. Singh, A. Kumar, **S. Chandra**, S. Jose, Y. Rudich, I. Koren  
Proceedings of Indian Aerosol Science and Technology Association; Conference on Aerosols and Climate Change: Insights and Challenges (IASTA BULLETIN 2016, Vol. 22 Issue 1 & 2, page 453; ISSN 09714510)
3. Forest fires and aerosol radiative forcing over Himalayan region  
S. Singh, A. K. Mishra, A. Kumar, **S. Chandra**, and S. Josh  
Proceedings of Indian Aerosol Science and Technology Association; Conference on Aerosols and Climate Change: Insights and Challenges (IASTA BULLETIN 2016, Vol. 22 Issue 1 & 2, page 701; ISSN 09714510)
4. Optical properties of aerosols over Delhi during clear, hazy, foggy and dusty conditions and associated aerosol direct radiative forcing  
S. Jose, A.K. Srivastava, A.K. Mishra, A. Kumar, **S. Chandra** and S. Singh  
Proceedings of Indian Aerosol Science and Technology Association; Conference on Aerosols and Climate Change: Insights and Challenges (IASTA BULLETIN 2016, Vol. 22 Issue 1 & 2, page 705; ISSN 09714510)

#### **Research article in Hindi:**

- Kendriya Dilli chhetra mein swashniya vaat kano mein upasthit seesa dhatu ka Adhyayan  
**S. Chandra**, R. Singh, Monika J Kulshrestha  
Published in **Samikchha**, CSIR- Rastriya Bhautik Prayogshala Patrika, Jan-Jun 2013.

**Conference organization/Presentations (in the last three years):**

1. Temporal variation of atmospheric pollutants at central Delhi, India  
**S. Chandra**, A. K. Mishra, A. Kumar, S. Jose, S. Tiwari and S. Singh  
Poster Presented in Indian Aerosol Science and Technology Association; Conference on Aerosols and Climate Change: Insights and Challenges (IASTA 2016)
2. Temporal variation of Potassium in PM<sub>2.5</sub> aerosols and backward trajectory analysis at Central Delhi, India  
**S. Chandra**, M. J. Kulshrestha, B. Kumar, and R Singh  
Accepted for poster presentation in European Aerosol Conference (EAC 2015) to be held at Milan, Italy during Sept 6-11, 2015
3. Seasonal Variation of Trace Metals in PM<sub>10</sub> at a Site in Central Delhi, India  
**S Chandra**, M J Kulshrestha and R Singh  
Accepted for oral presentation in International Aerosol Conference held at Busan, Korea during 28 Aug-2 Sept 2014
4. Seasonal variation of Pb in PM<sub>10</sub> aerosols and backward trajectory analysis at an urban site in North India  
**S. Chandra**, M. J. Kulshrestha and R. Singh  
Accepted for poster presentation in 9th International Conference on Air Quality –Science and Application, Garmisch Partenkirchen, Germany, 24-28 March 2014
5. Respirable size ranged Pb and its seasonal variation at a site in Central Delhi  
**S Chandra**  
Poster presented in Indo-German Workshop on "Challenges and Opportunities in Air Pollution and Climate Change-2" (CHOP-C-2) during 23rd -25th January 2013 held at SRMC, Chennai, India.

**Research Projects (Major Grants/Research Collaboration)****Awards and Distinctions:**

- Awarded *Junior Research Fellowship* by Council of Scientific and Industrial Research (CSIR) in *Earth, Atmospheric, Ocean & planetary Sciences*, for the year 2010-2012 (**All India Rank 27**)
- Awarded *Senior Research Fellowship* by CSIR, in *Earth, Atmospheric, Ocean & planetary Sciences*, for the year 2012-2015
- Qualified **CSIR-UGC-NET**, in *Earth, Atmospheric, Ocean & planetary Sciences*
- Qualified **UGC-NET**, in Environmental Science
- Qualified *Graduate Aptitude Test in Engineering (GATE) in Life Sciences*, conducted jointly by the Indian Institute of Science and Indian Institute of Technology.
- **First Rank** in JNU Entrance Examination

**Association with Professional Bodies:****Other Activities**