Title	Dr.	**First Name**	Subhash	**Last Name**	Chandra	**Photograph**

Designation	Assistant Professor
Address (Campus)	
(Residence)	
Phone No. (Office)	
(Residence)	
Mobile	
Fax	
Email	
Web-Page	

Educational Qualifications	B.Sc., M.Sc., and Ph.D.	
Degree	**Institution**	**Year**
Ph.D.	Academy of Scientific and Innovative Research (AcSIR), CSIR-NPL, New Delhi	2016
M.Sc.	Jawaharlal Nehru University, New Delhi	2010
B.Sc.	Lalit Narayan Mithila University, Darbhanga	2008

Career Profile

Designation	**Duration**
Assistant Professor (Ad-hoc), Vivekananda College Assistant Professor (Guest), Vivekananda College	10.01.2017 onwards 12.08.2016- 24.10.2016

Administrative Assignments:

- Member of Internal Quality Assurance Committee, Vivekananda College, 2016-18
- Member of Students Union Committee, Vivekananda College, 2016-18
- Member of Garden and Environment Committee, Vivekananda College, 2018-20
- Teacher In-Charge, Department of Environmental Science, Vivekananda College, 2019-21
- Member of Internal Quality Assurance Committee, Vivekananda College, 2021 onward

Subjects Taught:

Natural Resources
Ecosystems
Biodiversity
Environmental Pollution
Social Issues and the Environment

Areas of Interests:

Chemical characteristics of particulate matters and Transport pathways
Toxicity of PM2.5 and PM10

Green house gases and Climate change
Sustainable development

Research Guidance: Nil

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 PM2.5 and PM10 - 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, Scopus, web of science)

2. Episodic Measurements of PM2. 5 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 = 0) 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 Kulshrestha1, 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=1.4,** Citation = 7, H index = 45, 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=4.2,** Citation = 13, H index = 98, Scopus)

5. Chemical characteristics of trace metals in PM_{10} 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 = 4.3,** Citation = 19, H index = 90, Scopus)

6. Chemical constituents in PM10 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 = 3)

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) v*ol 9, Issue 7, pp 809–822
   (doi: 10.1007/s11869-015-0377-9) ISSN: 1873-9326 (electronic version)
   (Springer, **IF = 3.8**; Citation = 27, H index = 40, Scopus)

8. Temporal variation and Concentration Weighted Trajectory Analysis of Lead in PM_{10} 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 = 16)
(Google Scholar, Total Citation = 85, h index = 5, i10-index =4)

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:

1) 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 PM2.5 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 PM10 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 PM10 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