


Name of Teaching Staff	:	<b>Dr. ADITI KULSHRESTHA</b>	
Designation	:	<b>Assistant Professor</b>	
Department	:	Department of Science and Humanities	
Date of Joining the Institution	:	19-1-2015	
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Qualifications with Class / Grade	:	Ph.D.	
Total Experience in Years	:	9 years	
Papers Published in Journal:	:	<b><u>International Journals</u></b>	
Papers Presented in Conferences		<ol style="list-style-type: none"> <li>1. <b>Kulshrestha, A.</b>, Satsangi, P.G., Masih, J., Taneja, A., 2009. <i>Metal Concentration of PM<sub>2.5</sub> and PM<sub>10</sub> Particles and Seasonal Variations in Urban and Rural Environment of Agra, India.</i> Science of the Total Environment, <b>Elsevier</b>, 407, 6196-6204. (<i>Impact Factor: 10.75</i>)</li> <li>2. Massey, D., Masih, J., <b>Kulshrestha, A.</b>, Habil, M., Taneja, A., 2009. <i>Indoor/outdoor relationship of fine particles less than 2.5µm (PM<sub>2.5</sub>) in residential homes locations in Central India region.</i> Building and Environment, <b>Elsevier</b>, 44, 2037-2045. (<i>Impact Factor: 7.09</i>)</li> <li>3. <b>Kulshrestha, A.</b>, Bisht, D.S., Masih, J., Massey, D., Tiwari, S., Taneja, A., 2010 <i>Chemical characterization of water-soluble aerosols in different Residential Environments of Semi Arid Region of India.</i> Journal of Atmospheric Chemistry, <b>Springer</b>, 62, 121-138. (<i>Impact Factor: 2.87</i>)</li> <li>4. Masih, J., Masih, A, <b>Kulshrestha, A.</b>, Singhvi, R, Taneja, A. 2010. <i>Characteristics of polycyclic aromatic hydrocarbons in indoor and outdoor atmosphere in the North central part of India.</i> Journal of Hazardous Material, <b>Elsevier</b>, 177, 190–198 (<i>Impact Factor: 14.2</i>)</li> <li>5. Pipal, A. S., <b>Kulshrestha, A.</b>, Taneja, A. 2011. <i>Characterization and morphological analysis of airborne PM<sub>2.5</sub> and PM<sub>10</sub> in Agra located in North Central India.</i> Atmospheric Environment, <b>Elsevier</b>, 45, 3621-3630 (<i>Impact Factor: 5.75</i>)</li> <li>6. Massey, D., <b>Kulshrestha, A.</b>, Masih, J., Taneja, A., 2012. <i>Seasonal Trends Of PM<sub>10</sub>, PM<sub>5.0</sub>, PM<sub>2.5</sub> &amp; PM<sub>1.0</sub> In Indoor And Outdoor Environments Of Residential Homes Located In North-Central India.</i> Building and Environment, <b>Elsevier</b>, 47, 223-231 (<i>Impact Factor: 7.09</i>)</li> <li>7. Massey, D., <b>Kulshrestha, A.</b>, Taneja, A., 2013. <i>Particulate matter concentrations and their related metal toxicity in rural residential environment of semi-arid region of India.</i> Atmospheric Environment, <b>Elsevier</b>, 67, 278-286 (<i>Impact Factor: 5.75</i>).</li> </ol>	

8. **Kulshrestha, A.**, Massey, D., Masih, J., Taneja, A., 2014. *Source characterization of Trace Elements in Indoor environment at urban, rural and roadside sites in a semi arid region of India*. Aerosol and Air Quality Research. (*Impact Factor: 3.6*).

#### Indian Journals

1. Massey, D., **Kulshrestha, A.**, Masih, J., Taneja, A., (2008). *A Study of the Impact Associated Fireworks on Air Quality*. Indian Journal of Air Pollution Control , VIII, N 2, pp. 23-29
2. Satsangi, P.G., **Kulshrestha, A.**, Taneja, A., Rao, P.S.P., (2011). *Measurement of PM<sub>10</sub> and PM<sub>2.5</sub> Aerosols in Agra, a semi arid region in India*. Indian Journal of Radio and Space Physics, 40, 203-210. (. (*Impact Factor: 0.10*).

#### Chapter

Ajay Taneja, A., Habil, M. and **Kulshrestha, A.** 2011, Particles in the Indoor Environment: Sources and Health Effects in Developing Countries. Chapter 1 in Particulate Matter: Sources, Emission Rates and Health Effects , ISBN: 978-1-61470-948-0, Editors: Henrik Knudsen and Niels Rasmussen, Nova Science Publishers, Inc

#### International Proceedings

1. Massey, D., **Kulshrestha, A.**, Taneja, A. *A study on indoor outdoor concentration of particulate matter in rural residential housed in India*. International conference on Environmental and computer science (ICECS 2009) held on 28-30 December 2009 Dubai, UAE, doi: 10.1109/icecs.2009.45 pg 218-223.
2. Masih, J., **Kulshrestha, A.**, Massey, D., Habil, M., Taneja, A., 2009. *Indoor/ outdoor levels of Polycyclic Aromatic Hydrocarbons (PAHs) in the Rural India: A case study*. Proceeding of International Symposium on Environmental Pollution, Ecology and Human Health, Tirupati pp 45-49. (July 25-27, 2009).

#### Indian Proceedings

1. Habil, M., Massey, D., **Kulshrestha, A.**, Masih, J. and Taneja, A., (2010). *Heavy metal exposure to children in Schools near Roadsides in India*. *Aerosols and Clouds: Climate Change Perspectives, IASTA BULLETIN, 19, pp. 623-626*.
2. **Kulshrestha, A.**, Satsangi, P.G., Massey, D., Sharma, A., and Taneja, A., (2007). *Study of PM<sub>10</sub> and PM<sub>2.5</sub> Aerosols at Urban and Rural Sites in North Central Part of India during Monsoon*. Mitigation of Pollutants for Clean Environment, Proceedings of NSE-15, pp.281-285.
3. Satsangi, P.G., **Kulshrestha, A.**, Taneja, A., Rao, P.S.P., (2007). *Chemical characterization of PM<sub>10</sub> in Agra, a Semi-Arid Region*. *Emerging Trends in Aerosol Technology and Applications, IASTA BULLETIN, 18, pp.122-125*.
4. Satsangi, P.G., **Kulshrestha, A.**, Taneja, A., Rao, P.S.P., (2007). *Roadside Concentrations of Particulate matter and NO<sub>2</sub> in Agra*. Mitigation of Pollutants for Clean Environment, Proceedings of NSE-15, pp.254-258.

#### Extended abstracts

1. **Kulshrestha A.**, Taneja A., 2019. Particle and trace metal concentration in roadside residences of India. Proceedings, 1st Asian conference on Indoor Environmental Quality, New Delhi. February 1-2, 2019.
2. **Kulshrestha, A.** Taneja., "Chemical characterization of fine Particulate matter in India" Proceeding of the AAAR-2010, International Conference organized by The American Association for Aerosol Research held at *San Diego, California, U.S.A.* 2010.
3. D. Massey, **A. Kulshrestha**, M. Habil, A. Taneja. "Particulate in indoor air environment" Proceedings, Symposium of International conference "REAP", Agra, India 2009.
4. Jamson Masih, **A. Kulshrestha**, A. Taneja, K. Kumar. Concentration of Polycyclic Aromatic Hydrocarbons (PAHs) In Indoor and Outdoor Air in different Seasons of Ru

		India. In conference proceeding of National Conference on indoor air Quality, A n challenge in India. Lucknow, Feburary-2011
Area of Specialization	<u>Chemistry, Environment Science</u>	
Professional Memberships	:	
Subjects Taught	<b>UG Level:</b> Applied Chemistry Engineering Chemistry Environment Science	
Projects Completed	:	<p>1/3/2019 to 31-8-2019: <b>Principle Investigator, Mumbai University</b> <i>Exploring in-situ mechanism for estimating soil organic carbon cont towards sustainable farming</i></p> <p>5/4/2010 to 31-3-2011: <b>Senior Research Fellow (Extended), CSIR</b> <i>Chemical Characterization of Fine Particulate Matter in Ambient of Agra</i></p> <p>16/7/2007 to 4/4/2010: <b>Project assistant, DST</b> <i>Size and chemical composition distribution of particulate Matter different indoor microenvironments.</i></p> <p>1/4/2006 to 15/7/2007: <b>Project assistant, DST</b> <i>Chemical Characterization of Particulate matter in Ambient air Agra region.</i></p>
Recommended Students for Higher Education	<b><u>Name of the Student</u></b>	<b><u>University/Industry</u></b>
Institute/Department Responsibility handled:	<ul style="list-style-type: none"> <li>• Class teacher for First year students.</li> <li>• Paper setter for end Semester Exams.</li> <li>• Member of Admission committee</li> <li>• Member of Disaster Committee.</li> <li>• Member of NBA Committee.</li> </ul>	