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Academic Profile:

PhD: Chemistry (January, 2016), Pandit Ravishankar Shukla University Raipur Chhattisgarh, India,
M. Sc: Inorganic Chemistry (July, 2009), Govt. N. Post Graduate College of Science Raipur C.G., India
B. Sc.: Chemistry, Botany and Zoology (June 2007), Govt. N. Post Graduate College of Science Raipur C.G., India

Research Interests:

Molecular Markers in aerosols, Aerosol Chemical Characterization, Source Apportionments of Aerosol, Atmospheric Pollution Remediation

Selected Publications:

1. **Nirmalkar, J.**, Deshmukh, D. K., Deb, M. K., Chandrawanshi, S., & Tiwari, S. Seasonal size distribution and possible health implications of atmospheric aerosols collected from a rural site of eastern central India. *Atmospheric Pollution Research* Volume 7, Issue 2, Pages 278–287, March 2016.
2. **Nirmalkar, J.**, Deshmukh, D. K., Deb, M. K., Tsai, Y. I., & Sopajaree, K. (2015). Mass loading and episodic variation of molecular markers in PM_{2.5} aerosols over a rural area in eastern central India. *Atmospheric Environment*, Volume 117, Pages 41–50, September 2015.
3. **Nirmalkar, J.**, Deb, M. K., Tsai, Y. I., & Deshmukh, D. K. (2015). Arabitol and Mannitol as Tracer for Fungal Contribution to Size-Differentiated Particulate Matter of Rural Atmospheric Aerosols. *International Journal of Environmental Science and Development*, Vol. 6, No. 6, 460-463 June 2015.
4. **Nirmalkar, J.**, & Deb, M. K. (2015). Impact of intense field burning episode on aerosol mass loading and its possible health implications in rural area of eastern central India. *Air Quality, Atmosphere & Health*, Page 1-9 February 2015.
5. **Nirmalkar, J.**, Deb, M. K., Deshmukh, D. K., Tsai, Y. I., & Verma, S. K. (2015). Molecular markers in ambient aerosol in the Mahanadi Riverside Basin of eastern central India during winter. *Environmental Science and Pollution Research*, Volume 22, Issue 2, pp 1220-1231, January 2015.
6. **Nirmalkar, J.**, Deb, M. K., Deshmukh, D. K., & Verma, S. K. (2013). Mass loading of size-segregated atmospheric aerosols in the ambient air during fireworks episodes in Eastern Central India. *Bulletin of environmental contamination and toxicology*, Volume 90, Issue 4, pp 434-439, April 2013.
7. Deshmukh, D. K., Deb, M. K., Verma, D., & **Nirmalkar, J.** (2013). Seasonal Air Quality Profile of Size-Segregated Aerosols in the Ambient Air of a Central Indian Region. *Bulletin of environmental contamination and toxicology*, Volume 91, Issue 6, pp 704-710 December 2013.
8. Deshmukh, D. K., Deb, M. K., Verma, D., Verma, S. K., & **Nirmalkar, J.** (2012). Aerosol size distribution and seasonal variation in an urban area of an industrial city in Central India. *Bulletin of environmental contamination and toxicology*, Volume 89, Issue 5, pp 1098-1104, November 2012.