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Affiliations

- **2013- onwards-** Assistant Professor at Tezpur University
- **2012-2013** - (8 Months) Research Associate at Center for Public Policy, Doon University, Dehradun.
- **2008-2012** - Research Associate at School of Environmental Science, JNU, New Delhi.

Research Interest:

- ☐ Environmental System Modelling; Air Pollution Meteorology; Climate Impact Modelling; , Extreme Events Analysis; Noise pollution Modelling;
- ☐ Machine Learning applications in Environmental Systems; Nonstationary Stochastic Models; Neuro-fuzzy Systems.

Scholarship:

- ☐ CSIR JRF in Earth Atmospheric and Planetary Sciences- 2002 – 2004
- ☐ CSIR SRF in Earth Atmospheric and Planetary Sciences- 2004 – 2007

Educational Qualifications:

Degree	Subjects	Years	Board / University	Year
B.Sc.	Physics (Hons.)	2000	B.B.A.Bihar University	2000
M.Sc.	Environmental Sciences	2002	Jawaharlal Nehru University	2002
M.Phil.	Environmental Sciences	2004	Jawaharlal Nehru University	2004
Ph.D.	Thesis: Performance Evaluation of Various Modeling Approaches for Predicting Concentration of Air pollutants in Delhi	2008	Jawaharlal Nehru University	2008

Students Supervision:

- ☐ 4 Ph.D. students (Continuing)
- ☐ 5 M.Sc. Students (Degree Completed)

Journal

- ☐ Review Editor for the journal **Frontiers in Environmental Science**

List of Publications

Research Papers

1. Atmospheric Bulk Deposition of PAHs over Brahmaputra Valley: Characteristics and Influence of Meteorology. Hussain, K., Rahman, M., Prakash, A., Sarma, K.P. and Hoque, R.R., (2016), **Aerosol and Air Quality Research (ISSN: 1680-8584 print / 2071-1409 online)**. Vol. 16, pp. 1675-1689.

2. Street dust bound PAHs, carbon and heavy metals in Guwahati city – Seasonality, toxicity and sources. Hussain, K., Rahman, M., Prakash, A., and Hoque, R.R., (2015), **Sustainable Cities and Society** (ISSN: 2210-6707). Vol. 19, pp. 17-25.
3. “Analysis of temperature variability over north-west part of India for the period 1970–2000”, Monika Punia, Suman Nain, Amit Kumar, Bhupendra Pratap Singh, **Amit Prakash**, Krishan Kumar, VK Jain (2015). **Natural Hazards** (ISSN No.: 1573-0840). vol. 75(1), pp. 935-952.
4. “Spatio-temporal variations of urban heat island over Delhi”, Alok Kumar Pandey, Sachchidanand Singh, Shivesh Berwal, Dinesh Kumar, Puneeta Pandey, **Amit Prakash**, Neelesh Lodhi, Sandeep Maithani, Vinod Kumar Jain, Krishan Kumar (2014), **Urban Climate** (ISSN No. : 2212-0955), vol. 10, pp. 119-133.
5. “Tracing phosphorous distributions in the surficial sediments of two eastern Himalayan high altitude lakes through sequential extraction, multivariate and HYSPLIT back trajectory analyses”, Jyoti Prakash Deka, Beli Baruah, Sangeeta Singh, Rahul Chaudhury, **Amit Prakash**, Pradip Bhattacharyya, M Tamil Selvan, Manish Kumar, (2015), **Environmental Earth Sciences** (ISSN NO.: 1866-6280), vol 73(11), pp.7617-7629.
6. *"The effects of meteorological parameters in ambient noise modelling studies in Delhi"*, Deepak Singh, **Amit Prakash**, A. K. Srivastava, Krishan Kumar, V. K. Jain. (2013), **Environmental monitoring and Assessment** (ISSN No.: 0167-6369). vol. 185, pp. 1873-1882.
7. “A study of Urban Heat Island and its association with particulate matter during winter months over Delhi”, Puneeta Pandey, Dinesh Kumar, **Amit Prakash**, Jamson Masih, Manoj Singh, V. K. Jain and Krishan Kumar. (2011), **Science of the total Environment** (ISSN No.: 0048-9697), vol. 414, (1), pp. 494-507.
8. “A Wavelet Based Neural Network Model to Predict Ambient Air Pollutants’ Concentration”, **Amit Prakash**, Ujjwal Kumar, Krishan Kumar, V. K. Jain, (2011), **Environmental Modeling and Assessment** (ISSN No.: 1420-2026), vol 16, pp.503-517.
9. “ A Study of Summer-Time Urban Heat Island Over Delhi”, Puneeta Pandey, Dinesh Kumar, **Amit Prakash**, Krishan Kumar, and Vinod Kumar Jain, (2009), **International Journal of Sustainability Science and Studies** (ISSN No.: 2036-7929), Vol 1, No. 1, pp. 27-34.
10. "A Comparative Study of Air Quality Index based on Factor Analysis and US- EPA methods for an urban Environment", Bishwanath Bishoi, **Amit Prakash**, V. K. Jain, (2009), **Journal of Aerosol and Air Quality Research** (ISSN No.: 1680-8584), Vol. 9, No. 1, pp. 1-17.
11. “A Multivariate time series approach to study the interdependence among O₃, NO_x and VOCs in ambient urban atmosphere”, Ujjwal Kumar, **Amit Prakash**, V K Jain, (2009), **Environment Modelling and Assessment** (ISSN No.: 1420-2026). Vol. 14, pp. 631–643.
12. “A Photochemical Modelling approach to investigate O₃ sensitivity to NO_x and VOCs in the urban atmosphere of Delhi”, Ujjwal kumar, **Amit Prakash**, V K Jain, (2008), **Journal of Aerosol and Air Quality Research** (ISSN No.: 1680-8584), Vol, 8, No. 2, pp.147-159.
13. “Characterization of Chaos in Air Pollutants: A Volterra-Wiener-Korenberg Series and Numerical Titration Approach”, Ujjwal Kumar, **Amit Prakash** and V K Jain, (2008), **Atmospheric Environment** (ISSN No.: 1352-2310), Vol, 42 (7), pp 1537 – 1551.
14. “An Estimation of Annoyance due to Various Public Modes of Transport in Delhi”, **Amit Prakash**, Kaprosang Joute and V.K. Jain, (2006), **Noise and Health** (ISSN No.: 1463-1741), Vol 8, pp 101-107.
15. “A Study of Noise in CNG Driven Modes of Transport in Delhi”, Sanyogita, **Amit Prakash**, V.K.Jain, (2003), **Applied Acoustics** (ISSN No.: 0003-682x), Vol 65, pp 195-201.

Book Chapter

- “Ambient Noise Levels after CNG Implementation in Transport Sector in Delhi”, Deepak Singh., **Amit Prakash**, Amit Kumar, Bhupendra P Singh, Monika Punia, Sanyogita, Homdutt Sharma, Krishan Kumar, V.K. Jain (2015), in the book “Management of Water, Energy and Bio-resources in the Era of Climate Change: Emerging Issues and Challenges” ed. Raju NJ, Wolfgang G, Ramanathan AL, Sudhakar M. **Springer International Publishing**. pp.267-279.
- “Smog Pollution (PAN and Ozone): A Case Study of Delhi”, Sanyogita, Amit Prakash, Pradip Bauri, Ujjawal Kumar, Krishan Kumar, V. K. Jain. In the book Recent trends in Life sciences”” Edited by Prof. M. H. Fulekar, I K international Publishing House , New Delhi.

Papers/Posters Presented in International Conferences/Workshop:

“A Fuzzy Based Environmental Noise Exposure Model to Study the Effects on Human Health Physiology”, B K Padhi, P K Padhy, A Prakash, D Singh, V K Jain, Poster Presentation in the International Conference on Air Pollution and Health held at San Diego, California, USA, 22-26 March 2010, Program and Abstract No. 172

“Impact of Pollution Exposures on Respiratory Health While Commuting to School”, B K Padhi, P K Padhy, A Konar, S Mondal, A Prakash, R Ghosh, Poster Presentation in the International Conference on Air Pollution and Health held at San Diego, California, USA, 22-26 March 2010, Program and Abstract No. 171

“A Study on Characterization of Winter Fog in Delhi”, **Amit Prakash** and V.K. Jain, paper presented in International Conference on Environment and Development: Developing Countries Perspectives, held at Jawaharlal Nehru University, New Delhi, April 7-8, 2005. Program and Abstracts: p.27.

“Statistical Structures in the Traffic Noise”, **Amit Prakash**, K. Joute, and V.K. Jain, paper presented in International Conference on Environment and Development: Developing Countries Perspectives, held at Jawaharlal Nehru University, New Delhi, April 7-8, 2005. Programs and Abstracts: p.28.

Papers/Posters Presented in National Conferences/Workshop:

“A study of statistical distribution pattern of PM_{2.5} concentration in the urban environment of Delhi”, **Amit Prakash**, Ujjwal Kumar, Krishan Kumar, Naresh Kumar, V. K. Jain, proceedings of the IASTA-2007 conference on “Emerging trends in Aerosols: Technology and Applications”. Vol. 18(1&2), November 2007 (NPL, New Delhi), pp 52-54.

“Investigation of Ozone levels in Indoor Environment in Delhi”, Bhupendra Pratap Singh, Deepak Singh, Amit Kumar, **Amit Prakash**, Alok Srivastva, and V. K. Jain, Poster presentation in the National seminar on environmental pollution and its mitigation strategies, held at School of Environmental Sciences, JNU, New Delhi, March, 28-29, 2012. Program and Abstracts: 23.

“An assessment of volatile organic compounds in the central library of University campus, in Delhi”, Amit Kumar, Bhupendra Pratap Singh, **Amit Prakash**, Deepak Singh, Monika Punia and V. K. Jain, Poster presentation in the National seminar on environmental pollution and its mitigation strategies, held at School of Environmental Sciences, JNU, New Delhi, December, 28-29, 2011. Program and Abstracts: 35.

“A study of seasonal variation of Aerosol Optical Depth (AOD) over the national capital region of Delhi”. Puneeta Pandey, Krishan Kumar, Dinesh Kumar, **Amit Prakash**, Manoj Singh, Jamson Masih, Paper presentation in the National seminar on environmental pollution and bioremediation, held at School of Environmental Sciences, JNU, New Delhi, December, 28-29, 2011. Program and Abstracts: 23.

“ A study of Ozone, Peroxyacetyl Nitrate (PAN) and NO_x relationships in an urban environment”, Sanyogita Singh, **Amit Prakash**, Ujjwal Kumar, Krishan Kumar and V. K. Jain, Poster presentation in the National seminar on environmental pollution and bioremediation, held at School of Environmental Sciences, JNU, New Delhi, December, 28-29, 2011. Program and Abstracts: 27.

“Investigation of indoor and outdoor ozone levels at academic campus in Delhi – Case Study”, Bhupendra Pratap Singh, Amit Kumar, **Amit Prakash**, Deepak Singh and V. K. Jain, Poster presentation in the National seminar on environmental pollution and bioremediation, held at School of Environmental Sciences, JNU, New Delhi, December, 28-29, 2011. Program and Abstracts: 38.

“Ambient Noise Levels after CNG implementation in transport in Delhi”, Deepak Singh, **Amit Prakash**, Alok Kumar Srivastava, Amit Kumar, Bhupendra Pratap Singh, Krishan Kumar and V. K. Jain, Poster presentation in the National seminar on environmental pollution and and bioremediation, held at School of Environmental Sciences, JNU, New Delhi, December, 28-29, 2011. Program and Abstracts: 42.

“Noise pollution predictive model based on multivariate linear regression method”, Alok Kumar Srivastava, Amit Prakash, Deepak Singh and V. K. Jain, Poster presentation in the National seminar on environmental pollution and bioremediation, held at School of Environmental Sciences, JNU, New Delhi, December, 28-29, 2011. Program and Abstracts: 44.