Research Papers


Dr. Priyanka Ghosh and co-workers have published the paper “Numerical Studies on Seismic Interference of Two Nearby Embedded Shallow Footings” published in Disaster Advances, Vol. 6, No. 9, pp. 19-30, 2013.

Dr. Tarun Gupta and co-workers have published the paper “Personal Exposure Measurement of Students to Various Microenvironments inside and outside the College Campus” published in Environmental Monitoring and Assessment, doi: 10.1007/s10661-013-3413-y.


Dr. Tarun Gupta and co-workers have published the paper “A Comparative Morphological Study of Primary and Aged Particles Emitted from a Biodiesel (B20) vis-à-vis Diesel Fuelled CRDI Engine” published in *Aerosol and Air Quality Research*, doi: 10.4209/aaqr.2013.05.0162.


Dr. Debajyoti Paul and co-workers have published the paper “Implications for Late Holocene Climate from Stable Carbon and Oxygen Isotopic Variability in Soil and Land Snail Shells from Archaeological Site 41KM69 in Texas, USA” published in *Quaternary International*, Vols. 308-309, pp. 242-252, 2013.


Dr. Samit Ray Chaudhuri and co-workers have published the paper “Vulnerability Assessment of Container Cranes under Stochastic Wind Loading” published in *Structure and Infrastructure*

Dr. Mukesh Sharma and co-workers have published the paper “Review Article: Ammonia in the atmosphere—A Review on Emission Sources, Atmospheric Chemistry and Deposition on Terrestrial Bodies” published in Environmental Science and Pollution Research, Vol. 20, No. 11, pp. 8092-8131, 2013..

Dr. S.N. Tripathi and co-workers have published the paper “In Situ Detection of Electrified Aerosols in the Upper Troposphere and Stratosphere” published in Atmospheric Chemistry and Physics, Vol. 13, pp. 11187-11194, 2013.

Awards/Recognition

Dr. Rajesh Sathiyamoorthy for receiving the award, “IEI Young Engineers Award 2013-2014 (Civil Engineering)”, from The Institution of Engineers (India).

Dr. Bharat Lohani for receiving the award, “National Geo-Spatial Award for Excellence”, from Indian Society for Remote Sensing,

Invited talks


Dr. Mukesh Sharma delivered invited talk entitled “CO2 Sequestration through Algal Route: Performance Optimization of Tubular Reactor” in All India Seminar on Air Pollution Control, Jaipur on August 30, 2013.

Dr. S.N. Tripathi delivered invited talk entitled “Contribution to Cloud Aerosol Interaction and Precipitation Enhancement Experiment (CAIPEX)-III” at Indian Institute of Tropical Meteorology, Pune on August 30, 2013.

Dr. Tarun Gupta delivered invited talk entitled “Personal Exposure of a Panel of IITK Students to Inhalable PM Conducted in Two Major Seasons” in Workshop on Climate Change and Its Impact on Human Health, New Delhi on November 26, 2013.
Dr. Bharat Lohani delivered invited talk entitled “A Technique for Motion Correction for Laser Scanning” at Civil Engineering Association, Mumbai on October 11, 2013.


Dr. S.N. Tripathi delivered invited talk entitled “Long-Term Field Observations and Laboratory Studies of Atmospheric Aerosols from Kanpur, Indo-Gangetic Basin” at Center for Climate Change, Mumbai on October 9, 2013.

Dr. S.N. Tripathi delivered invited talk entitled “Role of Chemical Composition on CCN Activity and Evaluation of Microphysics Parameterizations in WRF against CAIPEX Profiles” in CAIPEX Science Meeting, Pune on October 17, 2013.

Dr. S.N. Tripathi delivered invited talk entitled “Aerosol Measurements: India Perspective” in India- California Air-Pollution Mitigation Program (ICAMP): Initiative for Mitigating Air Pollution from the Transportation Sector, Oakland, USA on October 22, 2013.

**Book Chapter**


**Research Projects**

Dr. S.N. Tripathi is funded research project entitled “Experimental Evaluation of Aerosols Behaviour Prevalent in Indian Nuclear Reactors” funded by BARC, India.
Dr. Prishati Raychowdhury is funded research project entitled “Dynamic Response of Foundation Components through Full Scale Field Tests” funded by DAE, India through DAE Young Scientist Award.

Dr. Rajesh Sathiyamoorthy is funded research project entitled “Hydro-Mechanical Behaviour of Unsaturated Soil Barriers of Landfill Lining Systems” funded by DST, India.