

ESEA Seminar Announcement
Environmental Science and Engineering Department (ESED)

Lab to Market Aerosol Measurement Devices

By
Dr. Tarun Gupta
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On
Wednesday
February 05, 2020
5:00 PM to 6:30 PM
ESED Seminar Hall, 2nd floor
DESE-ESED Building (Opposite KV School, IIT Bombay)

ABSTRACT

Tarun has been working towards enhancing the indigenous capabilities within the country to develop inexpensive, portable and readily deployable aerosol measuring instruments. It includes inertial impaction based portable air samplers to accurately collect size-resolved fine and submicron aerosol, customized 2-stage bioaerosol sampler, and a non-selective membrane based single annular tube diffusion denuder employed to separate co-pollutant gases from the aerosol of interest. A submicron aerosol sampler designed, developed and evaluated at IIT Kanpur has been commercialized by a Delhi based company (Envirotech) and this instrument is sold as PM₁ sampler, Model: APM 577 in 2015. Dr. Tarun has made a technology transfer to BARC, Mumbai as part of a sponsored project from BRNS where an existing high volume PM₁₀ sampler was retrofitted into a high volume PM_{2.5} sampler with only minor operational changes.

Speaker Bio-data

Dr. Tarun Gupta is currently N. C. Nigam Chair Professor and Associate Dean for Research and Development at IIT Kanpur. He completed M.Tech. from IIT Bombay (2000) and Doctorate from Harvard (2004). More details at : <https://bit.ly/39gR1mj>.

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