

# Sarath Kumar Guttikunda

Tel: +91 11 40538443 & Email: [sguttikunda@urbanemissions.info](mailto:sguttikunda@urbanemissions.info)

## EDUCATION

**PhD** – Chemical Engineering & Environmental Policy, the University of Iowa, Iowa City, USA (2002)

**B. Tech(Hons)** – Dept. of Chemical Engineering, Indian Institute of Technology, Kharagpur, India (1997)

## WORK EXPERIENCE

March 2008 to present @ [Desert Research Institute, Reno, USA.](#)

**POSITION HELD** : Affiliate Assistant Research Professor

**DESCRIPTION OF DUTIES** :

- Conduct research on source apportionment techniques and analysis
- Prepare/deliver publications and presentations on AQM

January 2007 to Present @ [Independent, New Delhi, India](#)

**POSITION HELD** : Environmental Consultant

**DESCRIPTION OF DUTIES** :

- Develop analytical tools for integrated assessment of air pollution (e.g., SIM-air and IDEAS) – applications include Hyderabad (IES program), Ulaanbaatar (the World Bank), Hanoi (SVCAP), Bangkok (DIESEL program), Delhi (ITS program for CW games 2010)
- Conduct research analysis on issues related to air pollution analysis – emissions baseline to control strategies
- Provide information and publications on AQM – SIM series @ [www.urbanemissions.info](http://www.urbanemissions.info)
- Prepare/deliver presentations on AQM at a variety of venues

June 2002 to December 2007 @ [The World Bank, Washington DC, USA](#)

**POSITION HELD** : Environmental Specialist

**DESCRIPTION OF DUTIES** :

- **Project Design and Technical Assistance** to (a) review of air pollution source apportionment techniques in 20 urban centers from Africa, Asia and Latin America; (b) preparation and analysis of DIESEL program in Bangkok, Thailand; (c) environmental impact assessment of sulfur pollution mitigation programs for industrial and power sector in China (Shijiazhuang, Changsha, and Jinan); (d) review of emerging technologies to control pollution from brick kiln pollution in Dhaka, Bangladesh; (e) preparation of environment monitors (EAP CC Monitor) and program outlooks (GEF transport experiences, GEF STEP program for EAP)
- **Knowledge Management and Dissemination** for (a) the Climate Change team to address air quality and adaptation to climate change agenda and integrate environmental health agenda into World Bank lending programs; (b) development of training programs on AQM to build the World Bank client capacity across Asia, Africa and LAC; (c) analytical tools for better AQM - IDEAS and SIM-air
- Coordinated Youth2Youth Community activities and newsletter; and developed youth-led environmental health communications program in Sri Lanka

August 1997 to May 2002 @ [The University of Iowa, Iowa City, USA](#)

**POSITION HELD** : Graduate Fellow

**DESCRIPTION OF DUTIES** :

- Recipient of NASA Earth System Science Graduate Student Fellowship (1999-2002); to develop air quality models at various scales, to study the impacts of growing emissions on urban, regional, and global air quality
- Participate in the field experiments of TRACE-P, ACE-Asia, and ITCT-2k2 between February 2001 to April 2001 in China and Japan; Responsible for development real time chemical and weather forecasting, using chemical and climate models and real time satellite data
- Develop technical presentations and publications

For List of publications, presentations, and references, please send email.