

11TH INDIAN INTERNATIONAL CONFERENCE ON AIR QUALITY MANAGEMENT
IICAQM 2026
MEASUREMENT, MODELLING, HEALTH RISK AND PUBLIC POLICY
16TH - 18TH DECEMBER 2026

Wednesday, 16th December 2026		
Venue: Indian Institute of Technology Madras		
08.30-09.30	Registration & Orientation	
09.30-10.00	Inaugural address	
10.00-10.30	Felicitaton "Air Quality Management Lifeme Achievement Award"	
10.30-11.00	Keynote Address 1: Air pollution micro- meteorology	Prof. Akula Venkatram, University of California, Riverside, USA
11:00-11:30	Keynote Address 2: Role of academia and research in Environmental Protection – Some thoughts	Prof. Mukesh Khare, IIT Delhi.
11:30-11:45	Break	
	INVITED TALKS Chair: Prof. Prasanth Kumar (University of Bath) Rapporteur: Dr. Aswin Giri (IIT Madras)	
11:45-12:05	Invited Talk 1: Air quality resource framework of India	Prof. Harish Phuleria, Indian Institute of Technology, Bombay
12:05-12:25	Invited Talk 2: Air quality management in India	Shri. S K Gupta, Envirotech Instruments Pvt. Ltd.
	TECHNICAL SESSION I: Air quality measurement and monitoring Chair: Atsuko IKEDA, Professor in Health Sciences, Hokkaido University, Japan. Rapporteur: Dr. Lakshmi Pradeep (IIT Madras)	
12:25-12:40	Paper 1	
12:40-12:55	Paper 2	
12:55-13:10	Paper 3	
13:10-13:25	Paper 4	
13:25-14:30	Lunch Break	
	INVITED TALKS Chair: Prof. Virendra Sethi (IIT Bombay) Rapporteur: Dr. Chandrashekar C (IIT Madras)	
14:30-15:00	Keynote Address 3: Low-cost particle capturing device for vehicular emissions	Prof. Prashant Kumar, University of Surrey, UK
15:00-15:30	Keynote Address 4: Environmental stressors in indoor environment.	Dr. Richard Ball , Department of Architecture & Civil Engineering , University of Bath Claverton Down, Bath
15:30-15:50	Invited Talk 3: Dispersion modelling in air quality	Prof. Kuruvilla John, University of North Texas, USA
15:50-16:10	Invited Talk 4: Understanding meteorological factors influencing heavy air pollution	Dr. Sharad Gokhale, Professor of Environmental Engineering, Department of Civil Engineering, IIT Guwahati.
16:10-16:30	Break	
	TECHNICAL SESSION I conti.: Air quality measurement and monitoring Chair: Prof. Harish Phuleria (IIT Bombay) Rapporteur: Mr. Shoumick Mitra (IIT Madras)	
16:30-16:45	Paper 5	
16:45-17:00	Paper 6	
17:00-17:15	Paper 7	
17:15-17:30	Paper 8	
17:30-19:00	Poster Presentation Session: Elevator Pitch	
19:30-21:00	Conference Dinner	

Thursday, 17th December 2026		
Venue: Indian Institute of Technology Madras		
	INVITED TALKS Chair: Prof. Prashant Kumar (University of Surrey, UK) Rapporteur: Dr. Saket Ranjan (IIT Madras)	
09:00-09:30	Keynote Address 5: Indoor Environment and inhabitants' health	Atsuko IKEDA, Professor in Health Sciences, Hokkaido University, Japan.
09:30-10:00	Keynote Address 6: Effect of dust deposition on snow darkening and Himalayan glaciers	Dr. Chandhan Sarangi, Department of Civil Engineering, IIT Madras
10:00-10:20	Invited Talk 5: Air quality health aspects	Dr. Chitra A, Madras Medical College
10:20-10:40	Invited Talk 6: Air pollution and trace elements	Dr. Arul Veerappan, NYU Langone Health, New York
10:40-11:00	Invited Talk 7: Impact of Aeroallergens and Woodsmoke on Differentiated Airway Epithelial Cells	Dr. Vikram Choudhary, Assistant Professor, Department of Civil Engineering at IIT Madras
11:00-11:15	Break	
	TECHNICAL SESSION II: Air quality modelling and machine learning approaches Chair: Dr. Sharad Gokhale (IIT Guwahati) Prof. Rapporteur: Mr. Sarup Das (IIT Madras)	
11:15-11:30	Paper 9	
11:30-11:45	Paper 10	
11:45-12:00	Paper 11	
12:00-12:15	Paper 12	
12:15-12:30	Paper 13	
12:30-12:45	Paper 14	
12:45-13:00	Paper 15	
13:00-14:00	Lunch Break	
	INVITED TALKS Chair: Prof. Ravi Krishna (IIT Madras) Rapporteur: Mr. Manjunath S P (IIT Madras)	
14:00-14:30	Keynote Address 7: India's policy landscape for combating air pollution	Prof. Mukesh Sharma, IIT Kanpur
14:30-15:00	Keynote Address 8: International environmental governance and its influence on Air Quality Management in India	Dr. Ajay Deshpande, IIT Bombay
15:00-15:20	Invited Talk 8: Characterization of aerosol and colloidal nanoparticles.	Dr. Thaseem Thajudeen, IIT Goa
15:20-15:40	Invited Talk 9: Aerosol bioparticles exposure and health risk assessment at landfill site in Nagpur	Dr. Krishnamurthi Kannan, CSIR-NEERI
15:40-16:00	Break	
	Stakeholder Engagement Workshop Chairs: Dr. B. Sengupta (CPCB), Prof. Prashant Kumar (University of Surrey, UK) Moderators: Prof. Shiva Nagendra (IIT Madras) & Sree Kumar Kumaraswamy (WRI)	
16:00-16:20	Invited Talk 10: Behavior of Aerosol and Exhaust Plumes in Dense Urban Environment	Dr. Ravikrishna R, Professor Department of Chemical Engineering, IIT Madras
16:20-16:40	Invited Talk 11: The effects of the chemical composition of air pollutants on cellular responses	Dr. Vikram Choudhary, IIT Madras
16:40-17:00	Invited Talk 12: Experience & challenges in managing air quality in selected million plus cities	City representatives
17:00-18:00	Panel discussion on 'Informing Policies with Science: How can Cities Prepare for NCAP 2.0?'	

Friday, 18th December 2026		
Venue: Indian Institute of Technology Madras		
	Workshop on 'Indoor Air Quality' Chair: Prof. Prakash M Maiya (IIT Madras) Rapporteur: Ms. Chaithra S (IIT Madras)	
09:00-09:30	Keynote Address 9: Clean Energy for Healthy Environments and Lives: Climate, air quality and health co-benefits	Prof. Sotiris Vardoulakis, University of Canberra, Australia
09:30-10:00	Keynote Address 10: Integrative approaches to combat air pollution and health impacts through One Health	Dr. Kraichat Tantrakarnapa,Mahidol University, Thailand
10:00-10:20	Invited Talk 13: Ventilation retrofitting for improving indoor air quality	Prof. Priya Rajagopalan, RMIT University, Australia
10:20-10:40	Invited Talk 14: Adverse health effects of air pollution	Dr. Anant Mohan, AIIMS
10:40-11:00	Invited Talk 15: Ventilation and pollutant dispersion.	Dr. Subhajit Biswas, Assistant Professor Department of Mechanical Engineering, IIT Madras
11:00-11:15	Invited Talk 16: Characteristics of particulate matter resuspension due to human activities in indoor environments	Dr. Chithra V S, Centre for Water Resources Development and Management
11:15-11:30	Invited Talk 17: Particulate Matter (PM10) bound Microplastics in urban area and its associated health risks	Dr. Lekshmi V Mohan, NIT Trichy
11:30-11:45	Break	
	TECHNICAL SESSION III: Air quality health impacts and policy interventions Chair: Dr. Anant Mohan (AIIMS) Rapporteur: Priya Verma (IIT Madras)	
11:45-12:00	Paper 16	
12:00-12:15	Paper 17	
12:15-12:30	Paper 18	
12:30-12:45	Paper 19	
12:45-13:00	Paper 20	
13:00-14:00	Lunch Break	
14:00-15:00	Keynote Address 11: Air Quality Management (AQML) Series	Prof. Shiva Nagendra S M, IIT Madras
15:00-16:00	Panel Discussion on 'AI driven air quality management: Can artificial intelligence replace human intelligence?' Prof. Prashant Kumar (University of Surrey, UK), Dr. Mukhesh Khare (IIT Delhi), Prof. Virendra Sethi (IIT Bombay), Shri. S K Gupta, (Envirotech Instruments Pvt. Ltd.), Prof. Harish Phuleria(IIT Bombay). Moderator: Prof. Shiva Nagendra	
Closing Ceremony		
16:00-17:00	Valedictory function	
17.00-18.00	High Tea	