

ABOUT ORGANIZING INSTITUTES

Indian Institute of Technology Madras (IITM) is one of the foremost institutes of national importance in India for higher technological education, basic and applied research. IIT Madras is ranked 1st in India for research and teaching institutions in engineering. The Institute has sixteen academic departments and advanced research centers in various disciplines of engineering and pure sciences. IIT Madras is a residential institute with nearly 550 faculty, 8000 students, and 1250 administrative & supporting staff and is a self-contained campus located in a beautiful, wooded land of about 250 hectares.

The Civil Engineering Department at IIT Madras has five major laboratories in the areas of building construction and management, environmental and water resources engineering (EWRE), geotechnical engineering, structural engineering, and transportation engineering. The EWRE laboratory has setup a Continuous Ambient Air Quality Monitoring Station in collaboration with Central Pollution Control Board (CPCB), New Delhi. The air quality management research group focuses on air quality modeling, hotspot air quality management, indoor air pollution, source apportionment, low-cost sensors, and exposure assessment (<https://www.iitm.ac.in>).

Indian Institute of Technology Guwahati (IITG), the sixth member of the IIT fraternity, was established in 1994. The academic programme of IIT Guwahati commenced in 1995. At present, the Institute has eleven departments and five inter-disciplinary academic centers and four schools covering all the major engineering, science, and humanities disciplines, offering BTech, BDes, MA, MDes, MTech, MSc and PhD programmes. IIT Guwahati's campus is on a sprawling 285 hectares plot of land on the north bank of the river Brahmaputra around 20 km from the heart of the city. The Air & Noise Pollution Research Lab of IIT Guwahati is actively involved in the state-of-art research on aerosol, black carbon, their optical properties and effects on the northeast India rainfall and human health.

University of Bath is a public university located in Bath, Somerset, United Kingdom. It received our Royal Charter in 1966 and is now established as a top 10 UK university with a reputation for research and teaching excellence. Internationally it is placed in the top 400 by the 2016 ARWU and has featured in the top 300 in 2016, 2017 and 2018 THE World University Rankings

Helmholtz Centre for Environmental Research (UFZ) was founded in December 1991 and it was the first and only research institute in the Helmholtz Association of German Research Centers to be

exclusively dedicated to environmental research. UFZ is located at the towns of Leipzig, Halle, and Magdeburg.

ABOUT CONFERENCE VENUE

The conference will be held as a hybrid event at IIT Guwahati, combining a "live" in-person event with a "virtual" online component. The campus is conveniently located at a distance of about 23 km from Guwahati airport and 20 km Guwahati railway station and 2.4 km from Agthori railway station.



CONFERENCE WEBSITE:

<http://iicaqm.in/>

Email: iicaqmiitm@gmail.com

Conference coordinators:

Prof. S.M. Shiva Nagendra, IIT Madras

Prof. Sharad Gokhale, IIT Guwahati

Dr. Richard Ball, University of Bath

Prof. Uwe Schlink, UFZ Helmholtz Centre for Environmental Research

CONTACT PERSON

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6th INDIAN INTERNATIONAL CONFERENCE ON AIR QUALITY MANAGEMENT (IICAQM 2021) "Measurement, Modelling, Health Risk and Public Policy"

16th - 18th DECEMBER 2021, IIT GUWAHATI, INDIA



Jointly Organized by

	Indian Institute of Technology Madras (IITM), Chennai, India
	Indian Institute of Technology Guwahati (IITG), India
	University of California, Riverside (UCR or UC Riverside), California
	University of Bath Bath, Somerset, United Kingdom
	UFZ Helmholtz Centre for Environmental Research, Leipzig, Germany

BACKGROUND

The unprecedented growth of urban centers and vehicular population have resulted in serious air quality problems. The World Health Organization (WHO) reports more than 2 million deaths per annum and respiratory illnesses in developing countries due to rising urban air pollution (UAP) (WHO, 2014). The road transport sector is considered to be the major source. In addition, domestic, commercial and industrial activities contribute to high air pollution. Upon the release of emissions, air pollutants undergo multiple atmospheric transformations processes and transported from local-city-regional to global scale to impact human health, visibility, building materials, and ecosystems. The impacts of air pollutants on human health are mainly influenced by the toxic nature of pollutants, exposure time, exposure pathway, etc. Therefore, there is an increasing need to establish the scientific basis for assessing the risk to human health and the environment from exposure to toxic air pollutants.

Indian International Conference on Air Quality Management (IICAQM) serves as an important forum that offers opportunities to scientists, engineers, educators, and practitioners to exchange the latest advancement in theories, technologies, and applications in the area of air quality management and health impacts. The 1st (IICAQM 2016) and 3rd (IICAQM 2018) conferences were held at IIT Madras, the 2nd (IICAQM 2017) was held at IIT Delhi, the 4th (IICAQM 2019) at IIT Bombay, and the 5th (IICAQM 2020) was hosted online by IIT Madras. The IICAQM aims to bring together leading academicians, scientists, engineers, and research scholars to exchange and share experiences and research results related to all aspects of air pollution health and exposure assessment and its management.

BENEFITS OF ATTENDING IICAQM

The conference offers an excellent opportunity to exchange information amongst researchers working in academic institutions / R&D organizations, to present and publish research findings and interact with experts and partners from administration and industry.



CALL FOR PAPERS

We welcome paper submissions that present new ideas, techniques, new management systems, and innovative applications that reflect the current breakthroughs in air quality management.

CONFERENCE TOPICS

The areas of interest to the conference are listed below. Full papers must be submitted by 15th October 2021 to iicaqmiitm@gmail.com

- Air Quality Monitoring and Measuring Techniques
- Air Quality Modelling
- Emission Inventory
- Source Apportionment
- Source-Receptor Modelling
- Particulate matter, ultrafine particles, and black carbon in transport microenvironments
- Exposure Monitoring and Health Risk Assessment
- Indoor Air Quality
- Air Quality Management Policies and Legislation
- Air Quality Data Analytics
- Case Studies

REGISTRATION FEE*

Participation Type	Conference Rate		
	Delegates	Authors	Students
SAARC Countries	INR 15,000	INR 7,500	**INR 5000 ***INR 7,500
Other Countries	EURO 175	EURO 175	EURO 175

*Registration fee includes an electronic copy of the IICAQM 2021 proceedings, conference kit and refreshments. Students must provide a bonafide certificate. Your registration will not be processed without payment.

** INR 5000 for the students who are attending only conference and not presenting paper.

***INR 7500 for the students attending both conference and winter school.

IMPORTANT DATES

Submission of Full-Length Paper:	30 th October 2021
Submission of Poster:	30 th October 2021
Paper & Poster Acceptance/ Revision Notification to Authors:	25 th November 2021
Submission of Revised Paper/ Poster along with registration fee:	30 th November 2021
Conference Dates:	16 th - 18 th December 2021