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## Preface

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### Mukesh Khare

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**Biographical notes:** Mukesh Khare received his PhD in Environmental Engineering from the University of Newcastle Upon Tyne, UK. He is Professor in the Department of Civil Engineering at Indian Institute of Technology Delhi, Hauz Khas, India. His area of research includes air quality modelling. He has published more than 100 research publications in international and national refereed journals and conferences. He has published three books.

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*Special issue:* Urban air pollution is a significant threat to human health and the environment for both the developed and developing world. The issue of urban air quality is receiving more attention, as an increasing share of the world's population is now living in urban centres. As a result, the population is demanding a cleaner urban environment. High levels of urbanisation have resulted in increasing urban air pollution owing to transportation, energy production and industrial activity all concentrated in densely populated urban areas. The environmental impacts are particularly severe in cities of 10 million or more inhabitants, where some countries have a combination of intense industrial activity, large population density and high motor vehicle use.

This publication contains 17 papers on urban air pollution – modelling and monitoring; urban air meteorology; and indoor air pollution. The papers are quite diverse in topic and range from ambient air pollution monitoring, modelling, meteorological impacts, air pollution control, spatial dynamics of air pollutant dispersion, and wind tunnel simulation of traffic generated air pollutants. Case studies and successful field applications of some of these areas are also presented.

The primary aim of this special issue is not only to provide an opportunity for researchers to publish their work but also to encourage the researchers and analysts to initiate discussions and dialogues on recent advances on the topic that involves management and control technologies for urban air pollution.

All the papers included in this special issue received at least three peer reviews before final acceptance for publication.

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