



## Characteristics of Air Pollution Assessment, Modeling and Reduction

Guest Editors:

### **Prof. Dr. Hyo Choi**

1. Department of Atmospheric & Environmental Sciences, College of Natural Sciences, Gangneung-Wonju National University (GWNNU), Jukheongil 7, Gangneung 25457, Gangwondo, Republic of Korea

2. Atmospheric & Oceanic Disaster Research Institute, Dalim Apt. 209ho, Namgang-chogyo 2gil 44, Gangneung 25563, Gangwondo, Republic of Korea

### **Dr. Milton S. Speer**

1. Department of Mathematical and Physical Sciences, The University of Technology, Sydney, Australia

2. Climate Change Research Centre, Faculty of Science, The University of New South Wales, Sydney, Australia

Deadline for manuscript submissions:

**closed (15 April 2022)**

### **Message from the Guest Editors**

We would like to invite scientific papers on “Characteristics of Air Pollution Assessment, Modeling, and Reduction”, related to air pollution mapping and monitoring, air pollution assessment and control strategy, photochemical reaction of air pollutants, indoor air pollution and reduction, reduction of dusts (PM<sub>10</sub>, PM<sub>2.5</sub>, PM<sub>1</sub>) and its dispersion modeling, air quality of particulate matters and gases in the atmosphere and their phase changes, atmospheric boundary layer modeling on severe air pollution, the meteorological effect on a high air pollution state, emission and transport of atmospheric pollutants, air pollution modeling for its local, regional, and global Scales, air pollution impact on human health and its control, etc. Finally, we would like to welcome any manuscripts which may be slightly beyond the above topics, because our main purpose for this Special Issue is to improve the air pollution state using various prediction models, technologies, and reduction methods.

Keywords:

Air pollution and reduction

Air quality of particulate matter and gas

Emission and transport of air pollutants

Air pollution impact on human health





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/Applsci)