

Special Issue

Advances in Air Pollution Detection and Air Quality Research

Message from the Guest Editors

Air pollution threatens human health, the environment, and biodiversity; therefore, in this context, the evolution of air quality monitoring sensors and the development of innovative methods for measuring and extracting knowledge from measurements collected by such sensors become imperative. The measurement datasets provided by these sensors can be processed by taking advantage of recent trends in artificial intelligence, leading to better the prediction, modelling, and forecasting of air quality or improved identification of local sources of air pollution. Last but not least, the development of independent air quality monitoring networks reflects the desire of local communities to live in a clean environment and draws the attention of decision-makers who can make decisions for the benefit of their communities. We are therefore interested in attracting articles that investigate advanced measurement methods and air quality research.

Guest Editors

Dr. Mihaela Tinca Udriștioiu

Dr. Silvia Puiu

Dr. Liliana Velea

Deadline for manuscript submissions

20 March 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/227241

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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)