

Special Issue

Air Quality in Urban-Industrial Areas: Monitoring, Source Apportionment and Management

Message from the Guest Editors

Urban industrial areas are a matter of concern due to the combination of poor air quality with high population density. Furthermore, natural sources and regional and long-range transport also affect local air quality. We propose this Special Issue to illustrate the role of monitoring and source apportionment as decision-support tools for air quality management in urban industrial areas, towards sustainable industrial development. Topics of interest include but are not limited to the following:

- Temporal analysis of air pollutants and their relation to meteorological parameters (namely in the formation of secondary pollutants);
- Industry-type characterization of pollutant emissions and chemical tracers (e.g., petrochemical, coking, metal smelting and steelworks, energy production, waste management);
- Aerosols chemical characterization (elements, ions, black carbon, OC/EC, PAHs, oxidative potential, etc.) for source apportionment and for health risk assessment;
- Biomonitoring of air pollution targeting the identification of pollution sources and their spatial distribution.

Guest Editors

Prof. Dr. Carla Gamelas

Centro de Ciências e Tecnologias Nucleares, Instituto Superior Técnico, Universidade de Lisboa, Estrada Nacional 10, Km 139.7, 2695-066 Lisbon, Portugal

Dr. Nuno Canha

Centro de Ciências e Tecnologias Nucleares, Instituto Superior Técnico, Universidade de Lisboa, Estrada Nacional 10, Km 139.7, 2695-066 Bobadela LRS, Portugal

Deadline for manuscript submissions

closed (2 September 2024)



Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.9



mdpi.com/si/128911

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

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





Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.9



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



About the Journal

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

Dr. Daniele Contini

Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, 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, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

Journal Rank:

CiteScore - Q2 (Environmental Science (miscellaneous))