Special Issue

Chemical and Morphological Characterization of Atmospheric Aerosols

Message from the Guest Editor

The goal of this Special Issue is to collect scientific contributions on the characterization of aerosols sharing a dual chemical and morphological approach in the analysis of the constituent particles. All types of aerosols from outdoor (e.g., rural, urban, remote) and indoor (e.g., domestic, occupational) environments, along with their mutual relationships, can be considered, and both micro- and nanoparticles can be treated. Analytical techniques can also be very diverse, ranging from the most popular (e.g., scanning and transmission electron microscopy, atomic force microscopy, Raman microspectroscopy, X-ray microscopy with near edge X-ray absorption fine structure spectroscopy, inductively coupled plasma mass spectrometry with laser ablation or time-of-flight) to the latest and most cutting-edge ones.

Guest Editor

Dr. Beatrice Moroni

Department of Chemistry Biology and Biotechnology, University of Perugia, 06123 Perugia, Italy

Deadline for manuscript submissions

closed (5 October 2023)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/132684

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

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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

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