

## Special Issue

# Emerging Pollutants, Atmospheric Processes, Urban Heat Islands and Integrated Environmental Observations: Advances in Remote Sensing and Analytical Techniques

### Message from the Guest Editors

The rapid pace of urbanization, industrial activity, and climate change has led to growing concerns over the presence and impacts of emerging pollutants in both atmospheric and aquatic environments. These pollutants, often unregulated or insufficiently monitored, pose significant risks to human health and ecosystems. This Special Issue aims to bring together cutting-edge research that integrates remote sensing, advanced laboratory techniques, and multidisciplinary analytical approaches to investigate emerging pollutants, atmospheric dynamics, and urban heat islands. We encourage submissions that address novel methods of detecting and quantifying pollutants using high-end techniques, such as gas chromatography, liquid chromatography, ICP-MS, TXRF, and micro-FTIR, as well as remote sensing technologies including DOAS, ACTRIS-based observations, and aerial or satellite-based monitoring. Contributions related to urban climate analysis, land surveys, bathymetry, and data integration from multiple environmental compartments are also highly welcome.

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### Guest Editors

Dr. Adrian Rosu

Dr. Daniel-Eduard Constantin

Dr. Mihaela Timofti

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### Deadline for manuscript submissions

15 March 2026



**Sustainability**

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### Editor-in-Chief

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