Special Issue

Optical and Electron Microscopy for Particulate Matter

Message from the Guest Editor

A more accurate evaluation of aerosol climate-relevant will be possible by enhanced knowledge and methods targeted at describing the chemical mixing state of particles, as well as by probing the differences of matrix structure for particles within same. Further exploration of the reciprocal arrangements among particles, as well as of the potential of X-ray mapping, are also needed. Concerning analytical aspects, estimating the accuracy of X-ray microanalysis results, and comparing between recently developed advanced techniques and traditional ones, are key topics that still need targeted studies. In this Special Issue, we seek to publish innovative papers focused on, but not limited to, above cited arguments. Cross-cutting studies providing sounded linkages among different topics are particularly welcomed. Routine microscopy studies are out of the scope of this Special Issue, unless they concern samples from regions and environments poorly explored or of special interest.

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2021)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/34178

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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

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