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Particulate Matter in the Mediterranean Basin: Trends and Physicochemical Properties

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Deadline for manuscript submissions:
closed (30 April 2023)

Message from the Guest Editors

Dear Colleagues,

Air pollution is considered an emerging public health problem in the Mediterranean Basin. More specifically, Mediterranean countries are experiencing high concentrations of ambient particulate matter (PM) which exceed the daily European and WHO standards quite a few times within the year. PM levels are influenced by both anthropogenic and natural sources. However, Mediterranean countries are highly exposed to natural sources such as dust storms, wildfires, and sea salt.

The purpose of this Special Issue is to gather evidence on the impact of natural sources on air quality in countries across the Mediterranean region. This information can be used to improve our understanding on the impact of natural sources of PM, support public health studies, assess intervention strategies, and inform policymakers. We therefore invite you to submit a novel research study or a review study, that investigates the natural sources of PM in the Mediterranean region.

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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!

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Journal Rank: CiteScore - Q2 (Environmental Science (miscellaneous))

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