Special Issue

Desert-Dust Aerosols in the Earth System

Message from the Guest Editor

Dear colleagues,

Special Issue “Desert-Dust Aerosols in the Earth System” invites manuscripts that present new research results on desert-dust aerosols in the Earth system. Possible topics include, but are not restricted to:

- statistical assessments of the emissions, loading, deposition, and properties of dust aerosols;
- quantifications of effects of dust aerosols on climate via aerosol–radiation and aerosol–cloud interactions;
- investigations of feedback mechanisms involving dust aerosols;
- inter-comparison studies of dust-aerosol datasets; and
- studies on processes involved in emission, vertical mixing and multi-scale transport mechanisms of dust aerosols.

Studies that use observational data, numerical modeling, laboratory measurements, or theoretical approaches are equally welcome.

Guest Editor

Dr. Stephanie Fiedler

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Deadline for manuscript submissions

closed (1 July 2020)

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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

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