IMPACT FACTOR
2.5

CITESCORE
4.6

Dust Detection and Long-Term Transport in High Spatiotemporal Resolution

Guest Editors:

Dr. Hui Xu

Dr. Manzhu Yu

Dr. Qian Liu

Prof. Dr. David Cappelletti

Deadline for manuscript submissions:
closed (10 July 2021)

Message from the Guest Editors

This Special Issue aims to bring together the latest dust detection and transport tracking techniques; to highlight the high spatiotemporal resolution in dust detection; and to explore the potential of using high-performance computing, machine learning, and big data frameworks in advancing this topic. Applications of dust products are also welcomed, as are review papers, that summarize the current state-of-the-art.

Potential topics include but are not limited to the following:

  Novel quantitative methods for dust detection, retrieval, and tracking
    Long-term (e.g., transatlantic) dust transport understanding
  Interaction of airborne dust, cloud, and precipitation
  Machine learning approaches for dust monitoring
  Applications of advanced computational capabilities for dust detection and tracking

Special Issue

Editor-in-Chief

Prof. Dr. Ilias Kavouras
Environmental, Occupational, and Geospatial Health Sciences, CUNY School of Public Health, New York, NY 10027, USA

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!

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.
Journal Rank: CiteScore - Q2 (*Environmental Science (miscellaneous)*)

Contact Us