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Satellite-Based Retrieval of Aerosol Properties and Its Applications

Guest Editor:

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Deadline for manuscript submissions:
closed (30 September 2017)

Message from the Guest Editor

Dear Colleagues,

Satellite-based remote sensing of atmospheric aerosols has proven to be an essential means of monitoring amounts of particulate matter globally on a daily scale. Alongside its climatic impacts, the concentration of aerosols is also recognized as one the standard measures of air quality, and thus assumes importance in health-related effects. In this special issue, we encourage submission of the original papers addressing the accomplishments, challenges, and futuristic research in the broad field of space-based remote sensing of aerosols encompassing a wide range of topics including but not limited to,

- Recent advancements in retrieval techniques
- Long-term record and trend analysis
- Aerosol radiative forcing
- Applications in air quality monitoring
- Aerosol-cloud interactions
- Implications in climate change

Dr. Hiren T. Jethva
Guest Editor

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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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