Special Issue

Remote Sensing and Observation of the Optical Properties of Aerosols

Message from the Guest Editors

Understanding aerosols' role in Earth's energy budget is crucial to predicting and mitigating climate change since aerosol optical characteristics, scattering, and absorption affect Earth's energy budget. The purpose of this Special Issue is to bring together scientists using ground- and satellite-based remote sensing techniques and direct observations at the surface to study aerosols' optical properties. The Special Issue also illustrates surface-level and column-integrated aerosol optical properties and the influence of local air pollution sources and long-range aerosol transport on aerosol optical properties.

Guest Editors

Dr. Madhu Gyawali

Dr. Rudra P. Aryal

Dr. Yadav Pandit

Deadline for manuscript submissions

closed (30 July 2023)

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Atmosphere
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

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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

Dr. Daniele Contini
Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

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