Special Issue

Atmospheric and Ocean Optics: Atmospheric Physics II

Message from the Guest Editors

We invite researchers to contribute original research papers, dealing with all aspects of atmospheric and ocean optics and atmospheric physics. Topics of interest include but are not limited to:

- Molecular spectroscopy of atmospheric gases;
- Absorption of radiation in atmosphere and ocean;
- Radiative regime and climate problems;
- Models and databases for the problems of atmospheric optics and physics;
- Optical radiation propagation in the atmosphere and ocean;
- Wave propagation in random inhomogeneous media;
- Nonlinear effects at radiation propagation in the atmosphere and water media;
- Laser and acoustic sounding of atmosphere and ocean;
- Physics of the troposphere;
- Structure and dynamics of the lower and middle atmosphere;
- Dynamics of the atmosphere and climate of the Asian region;
- Physics of the upper atmosphere;
- Climatological studies of the upper atmosphere using GNSS;
- The relationship processes in the lithosphere, atmosphere, ionosphere, and magnetosphere.

Guest Editors

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Deadline for manuscript submissions

closed (10 September 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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