Special Issue

Ocean–Atmosphere–Land Interactions and Their Roles in Climate Change

Message from the Guest Editors

This Special Issue invites contributions describing ocean–atmosphere–land interactions and their response to climate change. Of special interest are the processes of ocean–atmosphere dynamics and numerical simulation methods, extreme weather events caused by climate change, relevant mechanisms, and the response of the marine environment to climate change. The subjects can also include the coupling mechanisms between land surface hydrology and climate (including the impacts of climate change on hydrology and water resources; river geomorphological processes in response to global climate changes; and changes in river runoff, water and sediment under the influence of climate change). Observations, analyses, and numerical experiments and predictions of the ocean, atmosphere, and land surface processes (hydrology, soil, ecology, etc.) are also welcome.

Guest Editors

Prof. Dr. Biyun Guo

School of Marine Science and Technology, Zhejiang Ocean University, Zhoushan 316022, China

Prof. Dr. Chunyan Li

Department of Oceanography and Coastal Sciences, Louisiana State University, Baton Rouge, LA 70803, USA

Deadline for manuscript submissions

closed (28 February 2025)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/181153

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

mdpi.com/journal/atmosphere

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/journal/atmosphere

MDPI

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

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))