Special Issue

Ocean's Role in Continental and Coastal Climate Variability and Change

Message from the Guest Editors

The ocean exchanges heat by absorbing solar radiation and releasing it into the atmosphere, moisture through evaporation and condensation of water vapor, and carbon dioxide through air–sea interactions with the atmosphere, causing a significant influence on continental and coastal climates, for both short-term and long-term periods. This SI will be focused on both short-term and long-term climate changes, involving heat transport and ocean circulation impacts on continental and coastal climates, variability of temperature ranges in continental, coastal, and ocean processes on intra- and inter-annual time scales, sea level rise and coastal erosion, biological pumps in the ocean impacting carbon dioxide concentrations in the atmosphere, severe flood and draught, El Nino, the unusual paths of tropical cyclones, as well as their development and decay in coastal and open seas. However, there are also no limitations in regards to processes applied in the above-mentioned subject areas.

Guest Editors

Prof. Dr. Hyo Choi

1. Department of Atmospheric & Environmental Sciences, College of Natural Sciences, Gangneung-Wonju National University (GWNU), Jukheongil 7, Gangneung 25457, Gangwondo, Republic of Korea
2. Atmospheric & Oceanic Disaster Research Institute, Dalim Apt. 209ho, Namgang-chogyo 2gil 44, Gangneung 25563, Gangwondo, Republic of Korea

Dr. Milton S. Speer

1. Department of Mathematical and Physical Sciences, The University of Technology, Sydney, Australia
2. Climate Change Research Centre, Faculty of Science, The University of New South Wales, Sydney, Australia

Deadline for manuscript submissions

closed (31 October 2018)

Climate

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 5.7

mdpi.com/si/13492

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

mdpi.com/journal/climate

Climate

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 5.7

mdpi.com/journal/climate

MDPI

About the Journal

Message from the Editor-in-Chief

Climate (ISSN 2225-1154) was established in 2013 to provide an open-access outlet for innovative research, review articles, new direction papers, and short communications relevant to all disciplines related to climate at all scales. The journal encourages papers ranging from climate change detection and attribution and Earth system modeling to ecosystem, hydrologic, and socioeconomic impacts and climate mitigation and adaptation measures. The influence of *Climate* is strong and growing (IF 3.2 in 2024, CiteScore 5.7 in 2024).

Editor-in-Chief

Dr. Timothy G. F. Kittel
Institute of Arctic and Alpine Research, University of Colorado Boulder, Boulder, CO 80309-0450, USA

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), GeoRef, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Meteorology and Atmospheric Sciences) / CiteScore - Q2 (Atmospheric Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.8 days after submission; acceptance to publication is undertaken in 3.8 days (median values for papers published in this journal in the second half of 2025).