geosciences

an Open Access Journal by MDPI

IMPACT FACTOR 2.7

CITESCORE 5.2

# Large-Scale Ocean Circulation

Guest Editor:

**Dr. Marlos Goes**
Cooperative Institute of Marine and Atmospheric Studies, 4301 Rickenbacker Causeway, Miami, FL 33149, USA

Deadline for manuscript submissions:
**closed (30 September 2020)**

## Message from the Guest Editor

Dear Colleagues,

Large-scale ocean circulation is a key factor in understanding the links among distant regions of the earth and the influence of the ocean on weather, climate, and ecosystems. Recent advances have allowed climate models to resolve mesoscale eddies (10–100 km) in the ocean on decadal to centennial timescales, allowing investigations of complex interaction mechanisms involving air–sea and eddy–mean-flow interactions.

These computational improvements have been accompanied by innovations and enhanced synergies in the global observing system, including satellite altimetry, ships of opportunity, moorings, and Argo and other autonomous vehicles.

For this Special Issue, we encourage the submission of papers that utilize in situ, satellite, and numerical models to improve the understanding of the oceanic and atmospheric drivers of large-scale ocean circulation, and to study the influence of heat and freshwater content variability on climate and society.

geosciences

IMPACT FACTOR 2.7

CITESCORE 5.2

an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Jesus Martinez-Frias**
Instituto de Geociencias, IGEO (CSIC-UCM), C/ Del Doctor Severo Ochoa 7, Edificio Entrepabellones 7 y 8, 28040 Madrid, Spain

## Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.
**High Visibility:** indexed within Scopus, ESCI (Web of Science), GeoRef, Astrophysics Data System, and other databases.
**Journal Rank:** CiteScore - Q1 (*General Earth and Planetary Sciences*)

## Contact Us

*Geosciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/geosciences
geosciences@mdpi.com
𝕏@Geosciences_OA