



Sea Ice and the Arctic Coast

Guest Editors:

Dr. Matthew L. Druckenmiller

National Snow and Ice Data
Center, University of Colorado
Boulder, Boulder, CO, USA

Dr. Andrew Mahoney

Geophysical Institute, University
of Alaska Fairbanks, Fairbanks,
AK, USA

Deadline for manuscript
submissions:

closed (28 September 2018)

Message from the Guest Editors

Dear Colleagues,

The goal of this Special Issue of *Geosciences* is to explore Arctic coastal sea ice in terms of its role in shaping coastal dynamics and geomorphology, in providing ecosystem services, and as a focus of integrated observing programs. The presence of coastal sea ice shapes unique human-environmental systems, many of which are experiencing significant change coincident with pan-Arctic trends in sea ice loss and increasing temperatures across the region.

This Special Issue aims to provide an outlet for rapid, widely accessible publication of peer-reviewed studies taking an interdisciplinary perspective on Arctic coastal human-environmental systems, while advancing geoscientific understanding of Arctic coastal sea ice processes. This special issue aims to cover, without being limited to, the following areas:

- Landfast sea ice as a component of climate system;
- The role of sea ice in marine-terrestrial interactions;
- The role of coastal sea ice in buffering coastal erosion;
- Sea ice-seafloor interaction;
- Integrated and interdisciplinary observing programs; and
- Landfast sea ice as a physical and dynamic platform for human activities





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 coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based 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: JCR - Q2 (*Geosciences, Multidisciplinary*) / CiteScore - Q1 (General Earth and Planetary Sciences)

Contact Us

Geosciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/geosciences
geosciences@mdpi.com
[X@Geosciences_OA](https://twitter.com/Geosciences_OA)