

Special Issue

Glacier Characteristic Variability in Polar Regions

Message from the Guest Editor

This Special Issue of *Geosciences* is dedicated to "Glacier Characteristic Variability in Polar Regions". Glaciers and ice caps are the most important component of terrestrial geosystems in polar regions. Their behavior integrates the complex interactions and feedbacks of climatic, hydrological, and marine drivers with glacier internal properties related with snow and firn development, englacial hydrothermal processes, water flow dynamics at glacier bedrock, climatic and dynamic mass balance, and calving and frontal ablation at different marine environments. Therefore, due to their specific geographical location, morphology, and complex interaction with ocean and climatological settings, glaciers and ice caps in polar regions differ from those in other regions of the world and require special attention. Given the geographical and glaciological uniqueness of polar environments as well as their particular sensitivity to environmental change, we invite you to contribute an article to this Special Issue by reporting on your studies that provide new insights into different aspects of variability of glaciers and ice caps in polar regions.

Guest Editor

Dr. Andrey Glazovsky

Glaciology Department, Institute of Geography, Russian Academy of Sciences, 119017 Moscow, Russia

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closed (31 December 2020)



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

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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.

Editor-in-Chief

Dr. Alberto G. Fairén

1. Centro de Astrobiología, CSIC-INTA, Madrid, Spain
2. Department of Astronomy, Cornell University, Ithaca, NY, USA

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