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Cryosphere II

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Deadline for manuscript submissions:
closed (31 March 2019)

Message from the Guest Editor

This first special issue “Cryosphere” of Geosciences (2017/2018) included thirteen papers that shed light on a diverse list of ice- and snow-related topics: alpine glaciers, glacial lakes, GLOFs, permafrost, sea ice, snow cover, ice cores, and cryosols. They present results and conclusions from the Alborz, Alpen, Altai, Tien Shan, and Himalaya mountains; from the Arctic and Antarctica; and from the tundra of Russia and the taiga of Finland. The “Cryosphere II” is a continuation of this reporting on our ever-changing cryosphere and has the same focus. It also seeks to display a wide range of regional studies and methodological approaches such as laboratory experiments, field measurements and observations, numerical modeling, and remote sensing. Contributions on the interactions between the cryosphere and other elements of the geosystem are of particular interest, as are applied aspects related to the cryosphere, for example, natural hazards, hydropower, water resources, and artificial glaciation. Last, but not least, the Special Issue allows for stretching our imagination beyond Earth, and welcomes new insights into the cryospheres of other planets.



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Special Issue



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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.

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