Special Issue

Gas and Gas Hydrate in Permafrost

Message from the Guest Editor

This Special Issue aims to gather original research articles and reviews, which are dedicated to the research of genesis, composition specifics, migration, and accumulation of the natural gas in permafrost, and the possibility of gas existing in gas-hydrate form under permafrost and subpermafrost conditions. Special interest should be paid to the ecological aspects of the presence of gas and gas hydrate accumulations in permafrost, primarily in the near-surface layers. It is necessary to assess the greenhouse effect of the intrapermafrost gases, particularly methane, with the possible thawing of permafrost, especially on the Arctic shelf. Nevertheless, the gas component of permafrost remains poorly understood, despite obvious scientific and practical interest. Therefore, I'd like to invite you to submit articles about your recent work, experimental research or case studies, with respect to the above and/or the following topics:

- Genesis and composition of intrapermafrost gases
- Gas and gas hydrate accumulation in permafrost
- Gas emission from permafrost
- Dissociation of gas hydrate in permafrost
- Properties of frozen gas and gas hydrate saturated sediments

Guest Editor

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Deadline for manuscript submissions

closed (1 October 2018)

Geosciences

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CiteScore 5.3

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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 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.

Editor-in-Chief

Prof. Dr. John C. Eichelberger
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