

## Topical Collection

# Tsunamis: From the Scientific Challenges to the Social Impact

### Message from the Collection Editors

The spectrum of topics addressed by tsunami science today ranges from the “classical” themes, such as analytical and numerical modeling of different generation mechanisms, propagation and run-up, hazard–vulnerability–risk assessment with deterministic and probabilistic approaches, and early warning and monitoring to applied themes such as the societal and economic impact of moderate-to-large events on coastal and nationwide communities, as well as the present and future challenges connected to the global climate change. This topic collection welcomes contributions from specialists in diverse disciplines and ranging from pure scientific research to applied aspects such as tsunami risk reduction, tsunami education, and tsunami awareness. We welcome papers dealing with the local and the global scale, focusing on specific themes or on interdisciplinary approaches, with the general scope of improving our understanding of the tsunami phenomenon per se and in the context of the global change, and our capacity to build safer and more resilient communities.

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## Geosciences

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. John C. Eichelberger

Alaska Center for Energy and Power, University of Alaska Fairbanks,  
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