

Special Issue

Seismic Hazard Assessment and Earthquake Risk Mitigation

Message from the Guest Editors

This Special Issue invites contributions from a broad range of research or case studies, focused on seismic hazard assessment and earthquake risk mitigation. In this regard, I encourage submissions related to, but not limited to, the robust and quantitative quality control of the key elements for a reliable seismic hazard assessment such as: the earthquake source models, physics-based seismicity models, ground motion models, site response characterization, and the corresponding uncertainty and sensitivity analyses of seismic hazard. This Special Issue also welcomes the incorporation of machine learning techniques and advanced statistical methods (e.g., Bayesian statistics) into aspects of seismic hazard and risk assessments. Moreover, topics on operational earthquake forecasting and induced seismicity are also welcomed.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2023)



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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

Prof. Dr. John C. Eichelberger

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