Advancing Earthquake Forecasting: Integrating Physics-Based and Statistical Approaches

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Message from the Guest Editors

This Special Issue invites contributions on the latest research in physics-based stochastic modeling of natural and induced earthquakes, supported by multidisciplinary methods. We welcome studies on improving earthquake forecasting through stochastic models, geodesy, paleoseismic records, fluid dynamics, crustal stress analysis, and AI-driven models. Our emphasis is on bridging statistical and physics-based approaches to provide more reliable short- and long-term seismic hazard estimates.

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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 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.

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