

Special Issue

Earthquake Precursors: Techniques, Models and Artificial Intelligence

Message from the Guest Editor

Earthquakes remain among the most destructive natural disasters, and forecasting them is a persistent scientific challenge. This Special Issue aims to advance the field of earthquake precursors through research spanning observations, methodologies, and theoretical modeling. We welcome studies on established precursors such as electromagnetic signals, radon variations, trace gases, groundwater changes, and crustal deformation.

Investigations may employ diverse monitoring approaches—ground stations, satellites, radar systems, and ionospheric measurements—and be informed by models such as Lithosphere–Atmosphere–Ionosphere Coupling (LAIC).

We particularly encourage submissions applying advanced analytical techniques, including fractal methods, natural time analysis, and artificial intelligence/deep learning. Papers may also address precursor integration, early warning systems, and physics-based or statistical forecasting models. Original research articles, comprehensive reviews, and case studies that improve reliable precursor detection are invited.

Guest Editor

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Deadline for manuscript submissions

31 October 2026



Geosciences

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 5.1



mdpi.com/si/264474

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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.

Editor-in-Chief

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