Special Issue

Lithosphere-Atmosphere-Ionosphere Coupling during Earthquake Preparation: Recent Advances and Future Perspectives

Message from the Guest Editor

Earthquake (EQ) prediction is one of the challenging subjects left in the field of geoscience. Even though an EQ is a tectonic phenomenon which is the consequence of pressure accumulation in the fault regions of lithosphere, electromagnetic precursors appear not only in the lithosphere, but also in the atmosphere and ionosphere. Additionally, the most surprising finding was that the upper ionosphere is extremely sensitive to pre-EQ lithospheric seismic activity, and a new concept of lithosphere–atmosphere–ionosphere coupling (LAIC) has appeared. This Special Issue is intended to collect recent advances in EQ precursor studies and also recent activities for different channels of this LAIC. And we aim to discuss future perspectives as a further step for the future realization of short-term EQ prediction. We collect mainly extensive papers by active scientists in this particular field, but we also welcome any contributions which will provide readers with new insights into our complicated but very attractive topic of the LAIC process during the preparation phase of EQs.

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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

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