Special Issue

Late Quaternary Faultings and Seismicity of the Intermountain Basins

Message from the Guest Editors

Detailed field mapping of active faulting is essential for improving fault databases with the aim of mitigating seismic risk. The implementation of accurate fault mapping is particularly important in areas where geodetic or seismologic evidence of active tectonics contrasts with poor knowledge of active faulting from surface geology. In the Apennine chain and in active tectonic zones, the interaction between field geology, structural geomorphology, stratigraphy, quaternary sciences and archaeoseismology studies is key for the detection of active faultings and for understanding their Late Quaternary evolution.

We cordially invite you to submit original research articles, technical notes, communications, and reviews on case studies detailing the key points listed above, including but not limited to:

Field geology and mapping;
Structural geomorphology;
Geophysical methods applied to fault detection;
Archaeoseismology;
Seismic hazard, ground motion records and prediction;
Quaternary geology;
Intermontane basins and active tectonic zones.

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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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