

Special Issue

Lithospheric Heterogeneity Across (Pre-)Phanerozoic Orogens: From Late Cadomian and Cenerian to Alpine Accretion

Message from the Guest Editors

This Special Issue explores the tectono-magmatic evolution from Avalonian–Cadomian to Alpine stages, focusing on crustal remnants recording these processes. We invite multidisciplinary studies (geochronology, petrology, geophysics) examining: 1) Early basin formation (rifting/back-arc systems), 2) Magmatic controls on sedimentation, 3) Late compressional phases (collision/subduction), 4) Structural overprinting, and 5) Resource/hazard implications. Contributions may address pre-Alpine to Alpine paleogeography and planetary analogs.

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Deadline for manuscript submissions

31 March 2026



Geosciences

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 5.1



mdpi.com/si/243715

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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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