

Special Issue

Integrative Stratigraphy of Asia: Decoding Paleontological Records, Sedimentary Basins, and Tectonic Evolution

Message from the Guest Editors

This Special Issue aims to systematically reveal the intrinsic connections between sedimentary records, paleontological evolution, and tectonic evolution across the Asian continent from an integrative multidisciplinary perspective. This Special Issue will focus on the following core themes: (1) High-resolution Stratigraphic Frameworks: Establishing precise temporal constraints to resolve debates on key events. (2) Revisiting Fossil Records: Reinterpreting significant paleontological data to refine biogeographic and tectonic models. (3) Sedimentary Basin Dynamics: Investigating mechanisms of basin formation, sediment provenance, and their links to mantle–crust interactions. (4) Tectonic Controls on Biodiversity: Exploring how tectonic events shaped sedimentary environments and evolutionary trajectories. We welcome original research, reviews, and methodological contributions from fields such as stratigraphy, paleontology, sedimentology, structural geology, geochemistry, and geophysics to advance a holistic understanding of Asia's geological history. Case studies integrating novel techniques (e.g., magnetostratigraphy, big data geochronology) are particularly encouraged.

Guest Editors

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Prof. Dr. Shijun Jiang

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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