

Special Issue

The Tectonic Origins of Sedimentary Basins: Provenance and Evolution Across Geological Time

Message from the Guest Editors

This Special Issue invites multidisciplinary research investigating the complex relationships between tectonics, sedimentary basin formation, and sediment provenance. We encourage contributions that explore these processes across various geological settings and time periods, shedding light on how tectonic forces influence basin evolution and how sedimentary records reveal the history of the Earth's crust. Contributions are also welcome on sedimentary processes on other planetary surfaces, which can be considered terrestrial analogues.

This Special Issue will focus on the following key themes:

- Tectonic controls on basin formation;
- Sedimentary provenance and tectonic evolution through geological time;
- Geodynamic modeling of basin formation;
- Implications for natural resources and geohazards.

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/geosciences/special_issues/03410B7MUH

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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

Prof. Dr. John C. Eichelberger

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