

Special Issue

Sedimentary Basin Evolution: Tectonics, Sedimentation and Architecture

Message from the Guest Editor

The interplay between tectonics and sedimentation dramatically affects the evolution of sedimentary basins that comprise the Earth's upper crust and shape its surface. These basins form in various tectonic settings, present amazing past surface landscapes through geological history, and record the dynamic processes that have modelled the basin architecture. This Special Issue looks to compile multidisciplinary research investigating the complex inter-relationships between tectonics, sedimentation, sedimentary sources and their provenance, and basin architecture. We invite contributions on sedimentary processes and tectonic architectures of sedimentary basins that have impacts on natural resources, geohazards, and risks. This Special Issue will focus on the following key themes and beyond:

- Tectonic settings and tectonic control of sedimentary basin formation.
- Geochemistry of sedimentary/metasedimentary rocks, their sources, and their provenance.
- Modelling of sedimentary basins.
- Implications of basin architecture on natural resources, geohazards, and risks.

Guest Editor

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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.

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