

Special Issue

Hydrology in River Basins: Developments in Science and Application (HRBDSA)

Message from the Guest Editor

Hydrology of river basins is a subject of great interest for the scientific community and practitioners. This special issue aims to contribute in advancing scientific knowledge related to river basin hydrology. The original and novel contributions on recent developments and emerging issues in hydrological sciences and applications are invited for this special issues, with specific focus on the following:

- Hydrological process understanding in river basins that are natural or modified; gauged, ungauged or poorly gauged;

- Impact of global changes (climate, land use, reservoirs and irrigation systems, erosion and pollution) on hydrology and water resources;

- Hydrological extremes (floods and droughts) under global changes and novel management options;

- Role of data from various sources such as ground monitoring networks, remote sensing, and citizen science in improving scientific assessment and applications;

- Advances in the development and application of tools and models for catchment hydrology and informed decision making process.

Guest Editor

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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

Dr. Alberto G. Fairén

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