

Special Issue

Remote Sensing used in Environmental Hydrology

Message from the Guest Editor

Although Earth Observation (EO) technology has improved our ability to characterize and manage ecosystems and water resources both in space and in time, there are many emerging technologies and research areas where the potential of Earth Observation has not fully exploited. The development of hyperspectral sensors, SAR acquiring at different frequencies, LiDAR, unmanned aerial vehicles, small micro and nano satellites, virtual constellations, represents unprecedented new opportunities; is the research community developing remote sensing to its full potential? Research papers are sought covering progress, recent advances and future trends of the following topics: satellite rainfall estimation; snow and ice hydrology; water resource management; drought monitoring and prediction; soil moisture mapping; flooding; water quality; evapotranspiration; water securing for food and climate change, landslides; safety and security of critical infrastructures; hydrogeomatics.

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

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