

Special Issue

Sustainable Flood Management under Global Changes - Integrating Scientific and Stakeholder Knowledge

Message from the Guest Editors

Floods are the most common natural hazard in the world, leading to loss of life and extensive property damage (public or private). Many factors can increase both frequency and intensity of floods, driven by natural (weather-related) and human causes (e.g., urbanization). This Special Issue will present recent advances in tools to assess floods and discuss governance models required to establish land use and climate change sustainable policies on floods. Manuscripts investigating the following topics are of interest for this Special Issue:

- Monitoring hydrological data and flood impacts (field survey, climate, and land use);
- Flood modeling: advances in hydrodynamic modeling techniques;
- Flood risk assessment for past conditions and future climate and land-use change scenarios;
- Research on vulnerability and resilience, including case studies of best practices implementation;
- Assessment of the impact of structural and non-structural actions to mitigate floods, including grey infrastructures and/or nature-based solutions, how they perform, and advantages and/or disadvantages.

Prof. Dr. Sandra Mourato

Guest Editors

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Deadline for manuscript submissions

closed (28 August 2022)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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