Special Issue

Geo-computation and Spatial Big Data Application for Sustainable Management of Hydrometeorological Hazards: Methodological Innovations, Mitigation Strategies; Case Studies and Best Practices

Message from the Guest Editors

The sole objective and scope of the Special Issue is to offer a novel, more sustainable, and cost-effective solutions to mitigate the risk of HMZs by providing a clear and detailed roadmap for practical implementation of the suggested solutions. The inclusion of cross-disciplinary ideas and approaches in the solution strategies can effectively reduce the augmented impact of HMZs in the long run. Hence, the Special Issue invites innovative contributions in terms of both original and review studies supported by either thorough monitoring or descriptive/analytical modeling and covering any of the following topics:

- Fluvial Floods in both natural and urban areas:
- Pluvial floods in both natural and urban areas;
- Flash floods in mountainous areas:
- Cloud burst and associated consequences;
- Coastal storm surges in coastal periphery areas;
- Innovations and sustainable solutions for urban flood risk:
- Practical strategies for urban stormwater management;
- Draught impact and control across the ecosystems;
- Desertification and effective management strategies.

Guest Editors

Dr. Basu Bidroha

Prof. Dr. Laurence Gill

Prof. Dr. Francesco Pilla

Dr. Srikanta Sannigrahi

Deadline for manuscript submissions

closed (30 March 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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Editor-in-Chief

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