

## 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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### Editor-in-Chief

Prof. Dr. Marc A. Rosen

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