

Special Issue

Flood Risk Management and Frontiers in Environmental Fluid Mechanics

Message from the Guest Editors

Flooding is one of the most frequent and devastating natural disasters. The fact that concurrent global flood events affect millions of people annually, resulting in tremendous loss of life and property, proves that our knowledge in flood risk management is still insufficient. The uncertainty in the future climate makes the tasks of flood protection and prevention even harder than ever. This Special Issue intends to shed new light on new ideas and advanced technologies that deserve more comprehensive study in order to advance flood risk management and related to environmental fluid mechanics. The Issue aims to analyze all the main aspects concerning flood risk management and frontiers in environmental fluid mechanics through research papers and case studies on the following topics: Advanced techniques of flood and risk modeling; Adaptation to climate change and related issues; Innovative flood prevention and mitigation measures; Best management practices for flood and urban storm water control; City resilience framework and resilient strategies for flood reduction; Effective measures to support decision making during emergency response.

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