Special Issue

Urban Flood Risk Management and Reduction Solutions: From Past to Future

Message from the Guest Editors

Megacities (including coastal megacities) that contain more than 8–10 million inhabitants have experienced rapid urbanization and socio-economic growth. Increasing populations and property density have consequently led to a significantly higher flood risk in these locations. We are increasingly witnessing severe urban floods in both coastal and inland megacities that are caused by cyclonic effects and are enhancing surges. Many past extreme events have shown that the current practices cannot cope with this challenge, causing huge economic costs, severe injuries, and multiple causalities in global megacities. Now is the time to rethink how we can achieve sustainable and greater flood resilience. This Special Issue aims to expand our scientific knowledge regarding the understanding of the challenges, barriers, solutions, and lessons of improving urban flood resilience and flood-management strategies. Our main focus is to gather worldwide practices, research outputs, lessons, and synergies that will help stakeholders improve their current practices in light of the future challenges of climate- and human-induced factors.

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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