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Influence of the Urban Fabric on the Risks of Floods

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Message from the Guest Editors

Flooding is a global challenge. Urbanisation coupled with increased storminess and extreme weather mean that urban flooding continues to grow in most world regions and in both developing and developed nations. The urban fabric can have a profound effect on flood risk as a consequence of decreased permeability, urban microclimates, poor drainage and water transit and increased exposure and vulnerability to flooding. Recognising this, there has been a shift in focus from traditional flood control approaches towards integrated risk management that explores strategies to live with water. Such strategies include appropriate planning and management of urban developments, flood resilient design and construction of new buildings coupled with the appropriate adaptation of existing buildings and blue-green infrastructure. This special issue of *Water* calls for innovative research papers that will advance our knowledge/capability in i) means to mitigate the influence of the built environment on the risks of flooding; and ii) innovative solutions that will help support the development of a more resilient urban infrastructure and built environment.



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Special Issue



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Message from the Editor-in-Chief

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.

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