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Flood Risk Assessment in Urban Areas

Guest Editor:

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Deadline for manuscript submissions:
closed (15 December 2020)

Message from the Guest Editor

Urban growth is projected to occur across the board: megacities, major cities, as well as regional and mid-sized cities. These projected increases in urban population will lead to rapid urbanization and, when coupled with climate change, will lead to an increase in flood risk. This is due to multiple factors: changes in the flood hazard, an increase in exposure to flood hazards, and an increase in social vulnerability of populations within cities.

Thus, for this Special Issue, I invite submissions related to the latest advances in flood risk assessment in urban areas including, but not limited to:

Geospatial techniques for flood risk assessment;
Flood risk mapping at various spatial and temporal scales;
Integration of flood hazard, exposure, and vulnerability;
Uncertainty in flood risk estimates and assessment;
Real-time and crowd-sourced data for flood risk assessment;
Early warning systems and decision support systems for flood risk assessment;
Flood risk assessment under changing climate and urbanization scenarios;

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Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

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