Special Issue

Advances in Urban Hydrology

Message from the Guest Editor

Recent increases in the frequency and intensity of hydrologic extremes exacerbated the negative effects of urban population growth by increasing the risk of flooding and infrastructure failure. In view of these challenges facing the communities, we need to predict the impacts of these nonstationary factors on urban water infrastructure, and to provide policy makers with reliable information. The goal of this Special Issue is to focus on advances in understanding the potential impact of long-term climate/land use change or climate extremes on resiliency and reliability of urban water systems. We invite studies on urban–climate–land–water system interactions, including land use/land cover prediction, climate change impacts on water supply and quality, hydrologic and stormwater modeling and optimization, and resiliency and reliability of urban water systems in the face of nonstationarity in urban watersheds. Interdisciplinary studies involving integrated watershed management, and green infrastructure that have implications for flood management, water supply, and climate resiliency in urban watersheds are particularly invited.

Guest Editor

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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.

Editor-in-Chief

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