



Advances in Urban Stream Restoration Practices

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Though stream restoration has been practiced for several decades now, specific techniques for the rehabilitation/revitalization of urban streams remain a challenge. Challenges include adequately addressing the spatially-varied and episodic land development within a watershed that create non-stationary in the geomorphic dominant discharge, civil infrastructure that constrain natural floodplain inundation and planform migration, fragmented drainage networks that reduce ecological connectivity and aquatic biota recolonization potential, and community differences in social views of natural resources that vary local objectives and priorities.

This special issue of IJERPH aims to highlight advances in urban stream restoration practices, more appropriately termed rehabilitation, revitalization, or enhancement, that account for the unique challenges in urban riverine environments, including topics associated with pre- and post-project monitoring and assessment, planning, and project design and implementation/construction.

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Guest Editor





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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