

Potential for Nature-Based Solutions in Urban Green Infrastructure

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Message from the Guest Editor

Dear Colleagues,

Ecological engineering, as the synthesis of ecology and engineering, deals with the sustainable design and operation of ecosystems heavily influenced by humans and uses nature-based solutions (nbS) to do so. The overarching engineering–ecological goal is to ensure sustainability in order to allow designed ecosystems to function permanently for the benefit of society and ecology. This Special Issue, on the one hand, uses findings from ecology and ecosystem research, material cycle management in the system with small material losses, the lowest possible proportion of technical energy, as well as the effective use of energy and materials. On the other hand we aim to outline the characteristics of these technologies, including multifunctional use, the integration of different spatial levels and the creation of both networks and decentralized, redundant decision-making structures, while at the same time using the best possible ecological construction methods and treatment processes.

This Special Issue deals with the potential for nbS in urban green infrastructure at all levels.



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Message from the Editor-in-Chief

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