

Special Issue

Nature-Based Solutions to Reduce the Flood Risk in Cities and Peri-Urban Areas

Message from the Guest Editors

This special issue aims to publish high-quality research papers on the interdisciplinary field of nature-based solutions to mitigate flood risk and provide sustainable water treatment solutions in cities and peri-urban areas. Climate change is causing an increased number of climate extreme consequences such as sudden floods and increased droughts. Both of these can result in significant problems in water security, as sudden floods can create significant pollution while droughts will reduce the availability of fresh water. This special issue seeks contributions spanning a broad range of nature-based solutions for water retention and flood control solutions related to, but not limited to:

- Wetland systems
- Integrated constructed wetlands
- Biofilters for storm water management
- Water absorbing geocomposites
- Green roofs and green walls
- Hybrid solutions and bioreactors
- Microbial electrosynthesis cells and microbial fuel cells
- Bioswales
- Buffer strips and filter strips
- Permeable layers including pavements
- Sustainable flood retention basins
- Bioretention systems
- Rainwater harvesting and raingardens

Thank you for your contribution.

Guest Editors

Assoc. Prof. Kuno Kasak

Department of Geography, University of Tartu, Tartu, Estonia

Prof. Ülo Mander

Department of Geography, Institute of Ecology and Earth Sciences, University of Tartu, Tartu, Estonia

Prof. Dr. Miklas Scholz

Division of Water Resources Engineering, Faculty of Engineering, Lund University, 22100 Lund, Sweden

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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