



*land*



an Open Access Journal by MDPI

## Potential for Nature-Based Solutions in Urban Green Infrastructure

Guest Editor:

**Prof. Dr. Petra Schneider**

Department of Water,  
Environment, Civil Engineering,  
and Safety, Magdeburg-Stendal  
University of Applied Sciences,  
Breitscheidstr. 2, D-39114  
Magdeburg, Germany

Deadline for manuscript  
submissions:

**closed (31 December 2023)**

### 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.



[mdpi.com/si/157625](https://mdpi.com/si/157625)

# Special Issue



*land*



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Christine Fürst

Institute for Geosciences and  
Geography, Department  
Sustainable Landscape  
Development, University of Halle,  
Von-Seckendorff-Platz 4, 06120  
Halle, Germany

## Message from the Editor-in-Chief

*Land* is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant impact factor, and has a goal to become the best journal in land in the coming years. I strongly recommend *Land* for your best research publications for a fast dissemination of your research.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SSCI (Web of Science), PubAg, AGRIS, GeoRef, RePEc, and other databases.

**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Nature and Landscape Conservation)

## Contact Us

---

*Land* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/land  
land@mdpi.com  
X@Land\_MDPI