



## Urban Green and Blue Infrastructure in the View of Global Warming

Guest Editors:

**Prof. Dr. Manfred Koehler**

Department of Landscape  
Architecture, University of  
Applied Sciences, Brodaer Str. 2,  
17033 Neubrandenburg,  
Germany

**Daniel Kaiser**

Lehr- und Versuchsanstalt für  
Gartenbau und Arboristik e.V.,  
14979 Großbeeren, Germany

Deadline for manuscript  
submissions:

**closed (20 July 2022)**

### Message from the Guest Editors

Global warming and urban heat islands are key challenges today. In recent decades, a number of research studies have guided the way to bring evaporative urban surfaces back into cities. Solutions can be found in “blue–green infrastructure”, which refers to infrastructure that incorporates vegetation on the surfaces of buildings and within the surrounding cityscape.

Evapotranspiration has massive cooling capacity without producing waste heat. This ecological benefit can also be an economic success in cities by reducing the need for investment in typical centralized grey infrastructure. In addition, blue–green infrastructure can transform the cityscape to create green and livable cities with higher biodiversity.

This cross-disciplinary initiative requires the cooperation of urban planners in combination with civil engineers, plant science specialists, and others. From research to action, to achieve cooler and more sustainable cities. You are invited to contribute to this thematic publication to present current knowledge from your research. Evaluations of city case studies or administrative programs are also welcome.





*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