

Special Issue

Advances in Urban Spatial Planning and Carbon Emission

Message from the Guest Editors

Carbon dioxide represents the largest amount of greenhouse gases and has the greatest impact on the environment. Fundamentally, carbon dioxide is a byproduct of economic activity. Urban spatial planning is an efficient way to reduce urban carbon emissions and realize carbon neutrality. This Special Issue seeks to publish papers (original research and reviews) that report associations and findings on how the urban spatial pattern has influenced carbon emission and how to build a low-carbon city by urban spatial planning. In addition, papers on how to monitor and calculate urban carbon emissions by remote sensing, the Internet of Things, and simulation and analysis of urban carbon emission by Artificial Intelligence and Geographic Information System technology are welcomed. Potential topics include, but are not limited to: Urban planning for carbon neutrality; Transportation and energy consumption; Urban carbon emission monitoring and calculation; Simulation and analysis of urban carbon dynamics; Carbon sources and carbon sinks in urban and rural areas; Policies and optimization path of carbon neutrality; Green building and low-carbon city; Land use/cover change and carbon emission.

Guest Editors

Prof. Dr. Qianxin Wang

Prof. Dr. Xiaoping Liu

Prof. Dr. Honghui Zhang

Dr. Guohua Hu

Deadline for manuscript submissions

closed (7 April 2023)



International Journal of Environmental Research and Public Health

an Open Access Journal
by MDPI

CiteScore 8.5
Indexed in PubMed



mdpi.com/si/101936

*International Journal of
Environmental Research and
Public Health*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijerph@mdpi.com

[mdpi.com/journal/
ijerph](https://mdpi.com/journal/ijerph)





International Journal of Environmental Research and Public Health

an Open Access Journal
by MDPI

CiteScore 8.5
Indexed in PubMed



[mdpi.com/journal/
ijerph](https://mdpi.com/journal/ijerph)



About the Journal

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.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Paul R. Ward

School of Society and Culture, Adelaide University, Adelaide 5001,
Australia

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Public Health, Environmental and Occupational Health)