Special Issue

Development of Methods for Urban Ecosystem Carbon Budgeting and Its Contribution to Urban Sustainability

Message from the Guest Editors

The stocks of organic carbon in trees, and especially in soils are important not only in mitigating climate change by sequestering atmospheric CO2, but also in supporting and delivering multiple additional benefits to urban sustainability and human well-being. For this Special Issue, we invite research contributions and syntheses that evaluate and improve methods, develop new perspectives and approaches, and provide new data that address knowledge gaps to improve the quantification and evaluation of the present and future potential contributions of carbon storage in urban ecosystems for urban sustainability. We particularly welcome submissions that further the understanding of regional to global scale contributions of urban areas to ecosystem carbon stocks and sequestration; effects of sealing and capping; characterization and source apportionment of soil carbon pools laterally and vertically in soil profiles; and use of high spatial resolution remote sensed data and ground-based surveys to determine ecosystem carbon stocks in vegetation and soils.

Guest Editors

Prof. Dr. Jonathan R. Leake

Department of Animal & Plant Sciences, The University of Sheffield, Sheffield S10 2TN, UK

Dr. Jill Edmondson

Department of Animal & Plant Sciences, The University of Sheffield, Sheffield S10 2TN, UK

Deadline for manuscript submissions

closed (31 March 2022)



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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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