



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

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Message from the Guest Editors

Dear Colleagues,

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.

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