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Climate Mitigation Potential of Urban Ecological Restoration

Guest Editors:

Dr. Yongze Song

School of Design and the Built Environment, Curtin University,
Kent Street, Bentley, WA 6102,
Australia

Dr. Zihao Zheng

School of Geography and Remote Sensing, Guangzhou University, Guangzhou 510006, China

Deadline for manuscript submissions:

closed (25 April 2025)

Message from the Guest Editors

Dear Colleagues,

Although globally concerted ecological restoration initiatives have made a substantial contribution to the global response to climate change, an ongoing debate persists concerning the efficacy of reforestation and the optimal locations for tree planting. The potential for urban climate mitigation within these ecological restoration endeavors remains largely unexplored. Our primary objective is to present a collection of papers showcasing the recent advances in quantifying the urban climate mitigation potential of global ecological restoration projects, offer fresh perspectives on the identification of strategic afforestation sites and provide strong evidence of the significant climate mitigation potential of ecological restoration projects. Furthermore, it will delve into the impact of ecological restoration efforts on the achievement of SDGs for urban areas, while highlighting the formidable challenges of balancing urban climate mitigation with sustainable urban development. The central aim is to advocate to policymakers for including urban areas in the planning of ecological restoration initiatives when developing or revising relevant legislation.



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Prof. Dr. Christine Fürst

Department Sustainable
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Institute for Geosciences and
Geography, University of Halle,
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Message from the Editor-in-Chief

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Land Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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