

Special Issue

Biodiversity in Terrestrial Ecosystems

Message from the Guest Editor

This Special Issue is focused on biodiversity in terrestrial ecosystems. Biodiversity is pivotal for ecosystem health and sustainability, and supports most of our development, from raw materials to food production.

However, terrestrial ecosystems are under unprecedented stress, posed by habitat loss, fragmentation, and land-use changes due to anthropogenic disturbance and climate change.

Previous research indicates that terrestrial ecosystems are highly sensitive to temperature change and suggests that, without major reductions in greenhouse gas emissions to the atmosphere, terrestrial ecosystems worldwide are at risk of major transformations. This can lead to knock-on effects for local, regional, and global biogeochemical cycles. The lack of data on species-rich organisms remains a major problem in addressing the challenge of global biodiversity loss. Fortunately, environmental DNA and metabarcoding are important tools used for cross-taxon biodiversity monitoring, aiding the understanding of species ecological roles and the mechanisms through which they influence ecosystem functions.

Guest Editor

Dr. Susana Santos

Department of Agroecology, Aarhus University, Slagelse, Denmark

Deadline for manuscript submissions

closed (31 May 2022)



Sustainability

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Impact Factor 3.3
CiteScore 7.7



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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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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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