

Special Issue

Soil Security of Peatland Ecosystems: Risk Assessment, Pollution Prevention and Restoration

Message from the Guest Editors

Peatlands with their provided ecosystem services, which can be considered both unique and various, are among the most significant ecosystems. Without the natural support of regulation services and the consideration of the global role of carbon accumulation, humans have utilized peatlands for economic uses such as agriculture, forestry, horticulture, and energy generation, among other uses. These applications can cause major ecosystem disturbances, which occur at a different magnitude from that of human activities and the local conditions. Therefore, to enable sustainable biomass usage and perform a successful risk assessment of peatlands, a deep understanding of their restoration functionality is essential.

The goal of this Special Issue is to collect papers (original research articles and review papers) that give insights into peatland ecosystems, their sustainable usage, and their role in carbon cycling, as well as those that study restoration technologies and provide a risk assessment of potential influences and anthropogenic activities.

We look forward to receiving your original research articles and reviews.

Guest Editors

Dr. Oskars Purmalis

Department of Environmental Science, University of Latvia, Riga, Latvia

Dr. Marios Drosos

Department of Agricultural, Forest, Food and Environmental Sciences, University of Basilicata, 85100 Potenza, Italy

Deadline for manuscript submissions

closed (1 October 2025)



Land

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.9



mdpi.com/si/187382

Land
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
land@mdpi.com

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





Land

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.9



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



About the Journal

Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant Impact Factor, and has a goal to become the best journal in land in the coming years.

Editor-in-Chief

Prof. Dr. Christine Fürst
Department Sustainable Landscape Development, Institute for
Geosciences and Geography, University of Halle, Halle, Germany

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SSCI (Web of Science), GEOBASE, PubAg, AGRIS, GeoRef, RePEc, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Nature and Landscape Conservation)