

Special Issue

Carbon Cycling and Carbon Sequestration in Wetlands

Message from the Guest Editors

Wetlands are the largest carbon pools available and play a vital role in global carbon cycling and carbon sequestration, making them crucial for climate mitigation. This Special Issue aims to reflect on state-of-the-art studies that focus on carbon cycling and carbon sequestration potential in terrestrial and tidal wetland ecosystems. In doing so, experts from different fields will be brought together, including soil scientists, biologists, geologists, hydrologists, social and economic scientists, and others. The submission of manuscripts that link the following themes will be welcome:

- Carbon cycle process and environmental impacts;
- Carbon sequestration mechanisms in terrestrial and coastal ecosystems;
- The estimation of carbon sequestration potential;
- Technologies enhancing carbon sequestration and carbon sink;
- The economic and social values of carbon sequestration.

Guest Editors

Prof. Dr. Ligang Xu

Dr. Xiaobing Chen

Dr. Junxiang Cheng

Dr. Jiaxing Xu

Deadline for manuscript submissions

21 July 2026



Land

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.9



mdpi.com/si/241916

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)