

Special Issue

Resilient Land Systems in the Face of Increasing Disaster Risks

Message from the Guest Editors

The rising frequency and severity of natural disasters such as floods, landslides, wildfires, and droughts are placing unprecedented stress on land systems across the globe. Developing resilient land systems is essential to safeguard ecosystems, infrastructure, and human livelihoods. In this context, Geographic Information Systems (GIS), Remote Sensing, and Machine Learning (ML) have emerged as critical tools to monitor land dynamics, evaluate vulnerability, and provide predictive insights that inform disaster preparedness and sustainable management strategies.

This Special Issue seeks to highlight recent advances in geospatial technologies and data-driven approaches that strengthen resilience. We invite contributions that integrate GIS, Remote Sensing, and ML to explore innovative methodologies, interdisciplinary applications, and practical solutions for disaster risk reduction. By bringing together original research and review articles, this Special Issue will serve as a platform for advancing scientific understanding and informing policies on resilient land systems in diverse geographic and socio-economic contexts.

Guest Editors

Dr. Dorcas Idowu

Department of Geology and Geological Engineering, Colorado School of Mines, Golden, CO 80401, USA

Dr. Wendy Zhou

Department of Geology and Geological Engineering, Colorado School of Mines, Golden, CO 80401, USA

Deadline for manuscript submissions

31 May 2026



Land

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.9



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

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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. I strongly recommend *Land* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

Prof. Dr. Christine Fürst

Department Sustainable Landscape Development, Institute for
Geosciences and Geography, University of Halle, Halle, Germany

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