Special Issue

Land Degradation and Management Strategies: Contributing to Sustainable Agriculture

Message from the Guest Editors

Land provides essential goods (e.g., food, feed, fuel) and services (e.g., carbon sequestration, soil conservation, climate regulation) for socio-ecological systems. However, one third of global ice-free land is degraded to varying degrees due to unsustainable land use, climate change, and extreme weather. Especially for agricultural land, 30% of cropland and 50% of grassland have experienced unprecedented degradation, such as soil erosion, salinization, pollution, productivity decline, and coverage reduction, becoming one of the major threats to food security, biodiversity conservation, economic development, social equity, and sustainable development goals. Thus, this Special Issue looks forward to receiving your original research articles and reviews focused on the following issues: (1) novel methods for assessing agricultural land-use-induced land degradation, (2) land degradation dynamics and their natural-anthropogenic driving mechanisms, (3) multidimensional impacts of land degradation and their trade-offs and synergies, and (4) sustainable agricultural management strategies for future challenges in soil and water conservation and eco-security.

Guest Editors

Prof. Dr. Changhe Lü

Key Laboratory of Land Surface Pattern and Simulation, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing 100101, China

Dr. Yaqun Liu

Key Laboratory of Regional Sustainable Development Modeling, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing 100101, China

Deadline for manuscript submissions

15 August 2025

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/si/195239

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

mdpi.com/journal/agronomy

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/journal/agronomy

MDPI

About the Journal

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. *Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

Prof. Dr. Leslie A. Weston
Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)