



plants



an Open Access Journal by MDPI

Grassland Ecosystems and Their Management

Guest Editor:

Prof. Dr. Xiangyang Hou

Key Laboratory of Efficient Forage Production Mode, Ministry of Agriculture and Rural Affairs, Shanxi Agricultural University, Taigu 030801, China

Deadline for manuscript submissions:

closed (31 December 2023)

Message from the Guest Editor

Dear Colleagues,

Grasslands play indispensable roles in ensuring the production of livestock husbandry, curbing climate change, maintaining biodiversity, conserving water resources, and promoting the Sustainable Development Goals. However, most grassland ecosystems are distributed in arid areas with low precipitation and enhanced human management, making them fragile and vulnerable to climate change. Therefore, it is of great practical and historical significance to restore and manage grassland ecosystems in adaptive and sustainable ways.

The establishment of artificial grasslands has been an effective strategy to ensure the balance of forage supplies and to make up for the low productivity in natural grasslands. This Special Issue focuses on a systematic and holistic investigation of artificial grassland studies with respect to theory, method, and application. It fits well into the enduring research scopes of ecology, botany, and microbiology, and the emerging scopes of grassland science. Contributions by experts in the field in the form of research papers or critical reviews are welcome.

Prof. Dr. Xiangyang Hou

Guest Editor



mdpi.com/si/168921

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Contact Us

Plants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/plants
plants@mdpi.com
[X@Plants_MDPI](https://twitter.com/Plants_MDPI)