Special Issue

Coenological Investigations of Grassland Ecosystems

Message from the Guest Editors

Grasslands are among the most vital ecological systems on Earth. They not only support both plant and animal biodiversity but also provide critical ecosystem services, including hay production, grazing, erosion control, pollination, recreation, aesthetics, and carbon sequestration. Among the various factors affecting grasslands, climate change is one of the primary drivers of ecosystem transformation. Due to continuous utilization, the vegetation of grasslands has undergone structural changes, with plant communities shifting and potentially degrading. In this context, this Special Issue focuses on the following key research topics, including phytosociological studies of grassland species composition, the relationships between species diversity and biomass, and grassland management, particularly mowing and grazing. We also invite submissions exploring the interactions between pasture type, habitat conditions, and grazing intensity, along with other aspects of grassland ecology. To halt biodiversity loss, it is crucial to establish a global inventory and database of grassland ecosystems, along with the identification, conservation, and restoration of key areas.

Guest Editors

Dr. Károly Penksza

Department of Botany, Institute of Agronomy, Hungarian University of Agriculture and Life Science, 2100 Gödöllő, Hungary

Dr. Szilárd Szentes

Animal Breeding, Nutrition and Laboratory Animal Science Department, University of Veterinary Medicine Budapest, 1078 Budapest, Hungary

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

mdpi.com/journal/plants

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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.

Editor-in-Chief

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

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