

## Special Issue

# Grass Traits for Ecosystem Service and Sustainability

### Message from the Guest Editor

Grasslands cover around 70% of the global agricultural land, of which temperate grasslands, both natural and from anthropogenic origins, are a major part. Their management in ways that are economically, environmentally, and culturally sustainable faces various and frequently conflicting external pressures that threaten their perpetuity. Perennial grasslands provide a habitat for vast and diverse biotic communities, shape much of our landscape, support fragile rural communities, and aid tourism, amenity, and leisure in many countries. Plant breeding, leading to the introduction of synthetic grass varieties, not only encompass traditional forage production for livestock agriculture but also to achieve further positive impacts in terms of the ecosystem service and economic and cultural sustainability. This Special Issue reviews some of the most important advances in grass trait selections for use in ecosystem service and the opportunities to acquire the range of benefits certain grass communities may provide to seek win-win scenarios and to note the various challenges that grasslands must resist in order to persist and achieve their full potential.

---

### Guest Editor

Prof. Em. Mike Humphreys

Institute of Biological, Environmental and Rural Sciences, Aberystwyth University, Aberystwyth, Wales, SY23 3EE, UK

---

### Deadline for manuscript submissions

closed (30 April 2021)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/23174](https://mdpi.com/si/23174)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)



## About the Journal

### Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

---

### Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario  
Institute of Technology, Oshawa, ON L1G 0C5, Canada

---

### Author Benefits

#### Open Access:

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

#### High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1  
(Geography, Planning and Development)