



an Open Access Journal by MDPI

# Insights into Agronomic Practices for a Sustainable Exploitation of Bioenergy Perennial Grasses

Guest Editors:

**Dr. Danilo Scordia** University of Catania

#### Prof. Dr. Giorgio Testa

Department of Agriculture, Food and Environment (Di3A), University of Catania, Catania, Italy

Deadline for manuscript submissions: closed (25 October 2021)

## **Message from the Guest Editors**

Bioenergy perennial grasses have been recommended as crops resilient to various abiotic stresses, with quality traits suitable to a wide spectrum of bioconversion routes. Most of them are still undomesticated plants with great potential for agronomic trait improvements. Therefore, the optimization of agronomic practices or innovative cropping systems to improve the overall sustainability of the production chain is still required. This Special Issue focuses on agronomic practices to improve bioenergy perennial grass outputs under varying stress conditions, breeding, physiology, crop modeling, and bioconversions to overcome the main drawbacks for sustainable raw material exploitation in view of a circular economy and to deliver ecosystem services. All types of articles, such as original research, opinions, and reviews, are welcome. Replicated experiments, whether in open field or in controlled environments, should be performed at least twice (at least two years or two locations) to account for environmental variation and/or genotype × environment interactions









an Open Access Journal by MDPI

# **Editor-in-Chief**

#### Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

## 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.

## **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

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

Journal Rank: JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Agronomy and Crop Science)

## **Contact Us**

*Agronomy* Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/agronomy agronomy@mdpi.com X@Agronomy\_Mdpi