



an Open Access Journal by MDPI

# Photosynthetic Performance and Water-Use-Efficiency in Grasses

Guest Editors:Message from the Guest EditorsDr. Samuel TaylorDear Colleagues,

Grasses are remarkable for their diverse photosynthetic **Dr. Meisha Holloway-Phillips** systems, morphology, and ecological strategies. They are Dr. Andrew Merchant also central to global agriculture. The agronomy of grass crops sustains our populations and plays a key role in Dr. Gemma Molero global change linked with agricultural production. Challenges to food security are driving rapid innovation in agriculture, and understanding impacts of photosynthesis Deadline for manuscript and water use on crop performance is central to improving submissions: sustainability and productivity in agricultural systems that closed (30 September 2020) rely on grasses.

> We seek critical insights into how photosynthetic performance and the efficiency of water use impact grass agronomy. Reviews, experiments and/or modelling studies may quantitatively assess the impacts of physiology, allocation, and/or phenology, at tissue, organ, plant, canopy, and/or crop levels. Contexts may include domestication and selection histories, genetic variation, novel crop improvement strategies, interspecific comparisons, and cropping systems.

Dr. Samuel Taylor Dr. Meisha Holloway-Phillips Dr. Andrew Merchant Dr. Gemma Molero *Guest Editors* 





mdpi.com/si/28768





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