Special Issue

Photosynthetic Performance and Water-Use-Efficiency in Grasses

Message from the Guest Editors

Grasses are remarkable for their diverse photosynthetic systems, morphology, and ecological strategies. They are also central to global agriculture. The agronomy of grass crops sustains our populations and plays a key role in global change linked with agricultural production. Challenges to food security are driving rapid innovation in agriculture, and understanding impacts of photosynthesis and water use on crop performance is central to improving sustainability and productivity in agricultural systems that 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.

Guest Editors

Dr. Samuel Taylor

Dr. Meisha Holloway-Phillips

Dr. Andrew Merchant

Dr. Gemma Molero

Deadline for manuscript submissions

closed (30 September 2020)

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/si/28768

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

mdpi.com/journal/agronomy

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/journal/agronomy

MDPI

About the Journal

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.

Editor-in-Chief

Prof. Dr. Leslie A. Weston
Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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 other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)