



Genetics and Management of Perennial Forage Crops

Guest Editor:

Dr. Susanne Barth

Crop Research Centre Oak Park,
Teagasc, R93 XE12 Carlow,
Ireland

Deadline for manuscript
submissions:

closed (30 April 2019)

Message from the Guest Editor

Dear Colleague,

Perennial grasslands as a global resource contain a huge range of species, which require adaptation to various challenging environmental and biotic factors. Perennial grasslands serve important ecosystems functions amongst providing species rich habitats and contributing positively to soil carbon balance. Grasslands can be improved by management and breeding better adapted, resistant and higher yielding varieties. Several grassland species are undomesticated and used as ecotypes without further improvement. Breeding programmes are lagging behind due to the huge range of species to be improved, challenging outsets like allogamy and if pollinators are required, a lack of genomic resources for many species. Suitable grassland management protocols need development in a changing climate and under changing use. We invite articles on defining traits for forage improvement, including complex genetic traits, forage genetic resources, the development of genomic resources and their application in molecular breeding, breeding strategies for grassland species, novel and improved forage management strategies and alternative uses of forage species.

Susanne Barth
Guest Editor





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 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