



Plant Biomass Production and Utilization

Guest Editor:

Prof. Dr. Ralf Pude

Institute of Crop Science and
Resource Conservation (INRES),
University of Bonn, 53359
Rheinbach, Germany

Deadline for manuscript
submissions:

20 July 2024

Message from the Guest Editor

Dear Colleagues,

Due to rising energy prices observed worldwide, biomass plants will play an even greater role as energy crops or as a raw material substitute for petroleum-based products in the future. In addition to the possibility of reducing fossil CO₂ emissions or encapsulating CO₂ in long-lasting biobased products, other sustainability goals must also be considered. In this context, it is advisable to approach the topic from the perspective of the plant as well as the product by the most interdisciplinary means possible. It is very difficult to overcome this challenge, because farmers only cultivate biomass plants when their sales are assured. Due to the limited amount of arable land available, environmentally and site-appropriate cultivation, must be carefully considered. In this respect, innovative approaches such as the cascade use of valuable raw material plants, in which energy use only represents the very end of the utilisation cascade, could also offer potential solutions.

The aim of this Special Issue is to identify such alternative, transdisciplinary approaches aiming to enable the innovative and sustainable cultivation of biomass plants in the future.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Peter Langridge

School of Agriculture, Food and
Wine, University of Adelaide,
Urrbrae, SA 5064, 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 (*Agronomy*) / CiteScore - Q1 (*Agronomy and Crop Science*)

Contact Us

Agronomy Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agronomy
agronomy@mdpi.com
[X@Agronomy_Mdpi](https://twitter.com/Agronomy_Mdpi)