



Bioenergy Crops: Current Status and Future Prospects

Guest Editors:

Dr. Nicolai David Jablonowski

Forschungszentrum Jülich,
Institute of Bio- and Geosciences,
IBG-2: Plant Sciences, 52425
Jülich, Germany

Dr. Silvia Diane Schrey

Forschungszentrum Jülich,
Institute of Bio- and Geosciences,
IBG-2: Plant Sciences, Jülich,
Germany

Deadline for manuscript
submissions:

closed (31 July 2020)

Message from the Guest Editors

Dear Colleagues,

Traditional energy crop cultivation needs to be adapted to alternative plant resources and cropping systems. The production of plant biomass for energy generation has to be sustainable, cost-effective and environmentally friendly in order to facilitate the shift from a fossil-based to a bio-based economy.

Many energy crops have been intensively investigated while others still have unleashed potential. This also implies the utilization of e.g. marginal soils. Improving the conditions of such soils by incorporating biogenic residues, enriching the substrate with organic carbon and plant nutrients allows the subsequent cultivation of crops in a sustainable manner. Also the establishment and presence of a potentially plant promoting soil microflora may be pivotal for a successful energy crop cultivation.

Finally, to get a better estimate of the footprint of plant biomass production regarding its overall impact from cultivation to product, value chain analysis, socio-economic and life cycle assessments are crucial for a better estimate of its sustainability compared with fossil resources.

Dr. Nicolai David Jablonowski

Dr. Silvia Diane Schrey

Guest Editors





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