agriculture

an Open Access Journal by MDPI

IMPACT FACTOR 3.3

CITESCORE 4.9

Genomics, Genetic/Cell Engineering and Breeding Biotechnology of Fiber Crops

Guest Editor:

Prof. Dr. Fanchang Zeng
State Key Laboratory of Crop Biology, College of Agronomy, Shandong Agricultural University, Tai'an 271018, China

Deadline for manuscript submissions:
closed (20 September 2022)

Message from the Guest Editor

Fiber crops play a significant role in the revolution of modern bio-based textiles products eventually replacing much of the petrochemical industry. Molecular genetics and functional genomics are leading the way to improving breeding efficiency by understanding the crops genome and gene regulation, and applying this information to the identification of markers, favorable genes alleles, or metabolic processes. Moreover, advances in modern biotechnology have resulted in the development of powerful techniques that have greatly promoted crop improvement. More advanced biotechnologies include gene editing, cell engineering, and asexual breeding. A crop breeding revolution will be taking place with generation of biotech products for fiber crop improvement on more complex traits, such as quality, drought, salinity, or fertilizer use.

We welcome submissions of original research papers, reviews, and methods, including, but not limited to: significant progress on structural and functional genomics, genetics, and the application of modern breeding biotechnologies in fiber crops. This collection of articles will provide the knowledge base and new solutions for fiber crops improvement.

agriculture

IMPACT FACTOR 3.3

CITESCORE 4.9

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

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, RePEc, and other databases.
Journal Rank: JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)

Contact Us

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

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

mdpi.com/journal/agriculture
agriculture@mdpi.com
𝕏@AgricultureMdpi