

Special Issue

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

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.

Guest Editor

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Deadline for manuscript submissions

closed (20 September 2022)



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About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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Prof. Dr. Les Copeland

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