



genes



an Open Access Journal by MDPI

Genetics of Fiber Crops

Guest Editors:

Prof. Dr. Liwu Zhang

College of Agriculture, Fujian
Agriculture and Forestry
University, Fuzhou 350002, China

Prof. Dr. Haseena Khan

Department of Biochemistry and
Molecular Biology, University of
Dhaka, Dhaka 1215, Bangladesh

Dr. Gea Guerriero

Environmental Research and
Innovation (ERIN) Department,
Luxembourg Institute of Science
and Technology (LIST), L-4940
Hautcharage, Luxembourg

Deadline for manuscript
submissions:

closed (20 October 2022)

Message from the Guest Editors

Fiber crops mainly include cotton, jute, flax, ramie, hemp, kenaf, sisal, and so on. With the integration of next-generation high throughput techniques for sequencing in life science in recent decades, the application of forward or reverse genetics including QTL mapping and cloning, genomics, marker-aided selection, gene editing, and others have been accomplished. Reference genomes for major fiber crops were released, which helped scientists to explore function genomics, genomic resequencing, and identification of genes linked with desired agronomic traits, and molecular markers such as SNPs, and InDels. Accordingly, marker-centered breeding techniques have been established in fiber crops. Novel technologies remarkably GAB (genome aided breeding) and gene-editing techniques such as with CRISPR Cas9 have been established. A single plant genomics has shown disadvantages of not providing a compressive genetic diversity within a species, hence the adoption of pangenomics, which represent a repertoire diversity of a species or family. And future studies in fiber crops will integrate pangenomes for genomic selection.



mdpi.com/si/103250

Special Issue



genes



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The
University of Alabama at
Birmingham, 1825 University
Blvd, SHEL 814, Birmingham, AL
35294-2182, USA

Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

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), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank: JCR - Q2 (Genetics and Heredity) / CiteScore - Q2 (Genetics (clinical))

Contact Us

Genes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](https://twitter.com/Genes_MDPI)