Special Issue

Genetics of Fiber Crops

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.

Guest Editors

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Deadline for manuscript submissions

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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?

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