

Special Issue

Genetic Studies on Cotton Stress Resistance, Quality Traits, and Drought Response Mechanisms

Message from the Guest Editors

The growth and development of cotton are significantly affected by extreme climate change and uneven precipitation distribution. Cotton adapts and responds to environmental changes and extreme weather by adjusting its physiological activities and ecological characteristics. Understanding how cotton responds to short- and long-term environmental changes can enhance our in-depth understanding of the mechanisms of plant stress response. The superior characteristics of cotton are enhanced by using techniques such as genome-wide association analysis, multi-omics analysis, molecular marker-assisted selection, genome editing, and transgenic technology. In addition, this field is dedicated to revealing the complex mechanisms that control the growth and development of cotton, as well as identifying genes that are crucial to key traits, such as plant morphology, yield, and cotton quality. Submissions that address these or related topics are welcome.

Guest Editors

Dr. Xueyuan Li

Dr. Juyun Zheng

Prof. Dr. Jie Sun

Dr. Fenglei Sun

Deadline for manuscript submissions

20 January 2026

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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?

Editor-in-Chief

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