

## Special Issue

# Fiber Plants: Genetics and Genomics, Molecular Mechanisms and Potential Applications—Novel Materials, Functional Foods and Beyond

### Message from the Guest Editors

This Special Issue seeks to foster interdisciplinary collaboration and promote the latest advances in fiber plant research. We invite original research articles, reviews, and short communications covering, but not limited to, the following topics:

- Genetics and Genomics: Genome sequencing, pan-genomics, comparative genomics, and multi-omics approaches in fiber plants;
- Molecular Mechanisms: Gene regulatory networks, metabolic pathways, and molecular controls of fiber development, lipid biosynthesis, and secondary metabolite production;
- Breeding Innovations: Applications of genome editing, molecular breeding, and precision agriculture to improve fiber quality, yield, and stress resilience;
- Novel Applications: Development of sustainable biomaterials, functional foods enriched with bioactive fatty acids, and plant-based medicinal products derived from fiber crops;
- Environmental and Industrial Impacts: The role of fiber plants in sustainable agriculture, bioeconomy, and future industrial applications.

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### Guest Editors

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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