## **Special Issue**

## Design, Synthesis and Application of Cellulose Materials

## Message from the Guest Editors

In the context of growing environmental concerns and the quest for sustainable materials, cellulose, as the most abundant natural polymer, is gaining increased attention. Derived from renewable sources like plants, it offers biodegradability and eco-friendliness. This Special Issue aims to showcase the latest research in designing cellulose-based materials, including altering their molecular structures and architectures. It encompasses novel synthesis techniques, from chemical modifications to innovative processing methods. Additionally, we aim to explore the diverse applications of these materials. By presenting cuttingedge findings, this Special Issue will not only summarize the current state of cellulose material science but also inspire further exploration, fostering the development of sustainable alternatives and pushing the boundaries of this dynamic research area. Original research articles and reviews are welcome to be submitted. Research areas may include, but are not limited to, the following: energy storage, flexible electronics and sensors, catalysis, biomedical uses, food and agriculture, environmental and sustainable materials, and composite reinforcement.

#### **Guest Editors**

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### Deadline for manuscript submissions

30 September 2025



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## Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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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