

## Special Issue

# Preparation, Properties, and Applications of Functional Cellulose Composites

### Message from the Guest Editors

Cellulose, the most abundant biopolymer, is increasingly pivotal in sustainability and green chemistry, offering a renewable and biodegradable alternative to fossil-based polymers. Functional cellulose composites leverage these inherent benefits by incorporating advanced additives, unlocking specialized applications across automotive, packaging, cosmetics, electronics, and biomedicine.

This Special Issue will highlight recent advances in the functionalization of cellulosic composites, including fibers, filaments, bicomponent materials, nonwovens, and membranes. We invite contributions spanning chemical and physical modifications aimed at engineering cellulose-based materials with tailored and enhanced properties. Submissions may include research articles, reviews, and communications focused on novel functionalization approaches, analytical methodologies for property characterization, as well as pathways for translating laboratory innovations into commercially viable, value-added products.

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### Guest Editors

Dr. Frank Wendler

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### Deadline for manuscript submissions

31 August 2026



## Molecules

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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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