

## Special Issue

# Advances in Crystalline Nanocellulose and Its Derivatives for Sustainable Functional Materials

### Message from the Guest Editors

This Special Issue of *Crystals* focuses on the structural, functional, and application-oriented aspects of crystalline nanocellulose and its derivatives, a range of bio-based, renewable nanomaterials with remarkable mechanical properties, high aspect ratio, surface modifiability, and inherent crystallinity.

We invite contributions that explore the design, engineering, and utilization of crystalline nanocellulose and its derivatives in functional materials, green composites, membranes, packaging, energy devices, biomedical systems, catalysis, and beyond. Submissions that highlight structure–property relationships, processing methods, valorization of biomass, and recycling or end-of-life strategies are especially welcome.

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### Guest Editors

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### Deadline for manuscript submissions

10 September 2026



## Crystals

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## About the Journal

### Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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### Editor-in-Chief

Prof. Dr. Alessandra Toncelli  
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