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Crystalline Nanocellulose

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Deadline for manuscript submissions:
closed (25 February 2022)

Message from the Guest Editors

Dear Colleagues,

cellulose nanocrystals are promising materials that have potential application in several fields of activity. The great problem of environmental pollution tasks the scientific community with the development of new materials with low environmental impact that exhibit effective properties. Thanks to the possibility of chemical functionalization, cellulose nanoparticles can be an effective substrate for the synthesis of new functional nanostructured materials for a diverse range of applications.

Some of the topics to be covered by this Special Issue may include, but are not limited to:

- Types of nanocrystalline cellulose.
- Nanocrystalline cellulose functionalization.
- Characterization of cellulose nanocrystals.
- Utilization of cellulose nanocrystals in pharmaceutical.
- Application of cellulose nanocrystals in paper industry.
- CNC treatments for cultural heritage materials.
- Nanocellulose-based composites.
- Sequestration of organic and inorganic contaminants from water.

Prof. Dr. Claudia Graiff
Dr. Marianna Potenza
Guest Editors

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Editor-in-Chief

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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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