



materials



an Open Access Journal by MDPI

Cellulose Nanofibers: Fabrication and Application

Guest Editors:

Prof. Dr. Quim Tarrés Farrés

Department of Chemical
Engineering, University of Girona,
17071 Girona, Spain

Dr. Marc Delgado-Aguilar

LEPAMAP Group, Department of
Chemical Engineering, University
of Girona, 17071 Girona, Spain

Deadline for manuscript
submissions:

closed (31 October 2021)

Message from the Guest Editors

The Special Issue, “Cellulose Nanofibers: Fabrication and Application”, will address advances in nanocellulose production using different methodologies, their optimization, and the development of cellulose nanofibers applications. Original papers are solicited on all types of cellulose nanofiber production methods and their optimization, including TEMPO-mediated oxidation, enzymatic hydrolysis, mechanical refining, acid hydrolysis, and carboxymethylation. Of particular interest are recent developments in applications of cellulose nanofibers including aerogels, nanopapers, and hydrogels. Articles and reviews dealing with potential applications in diverse sectors such as biomedicine, environmental science, paper and board production, electronics, and plastic composites, among others, are very welcome.



mdpi.com/si/41972

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)