Special Issue

From Cellulose to Ceramics

Message from the Guest Editors

Cellulose is the most abundant organic compound on Earth. It can be found in plants and trees and represents a very interesting source of carbon. It is more and more used to generate new materials for countless applications. In parallel, as green chemistry is a key and essential strategy in synthesis today, using bioresources to obtain, among other things, technical ceramics is more and more studied. This Special Issue, “From Cellulose to Ceramics”, covers the synthesis, characterization, and applications of cellulose-based ceramic materials. Monoliths, composites, porous, fibrous materials, etc., associated with various shaping, are considered in a broad scope, mainly in the field of ceramics. Lignocellulosic-based materials are also part of this Special Issue, as they represent a highly rich renewable resource for the synthesis of ceramics.

Guest Editors

Dr. Romain Lucas

Institute of Research for Ceramics (IRCER), University of Limoges, UMR 7315, F-87068 Limoges, France

Prof. Dr. Sylvie Foucaud

Institute of Research for Ceramics (IRCER), Universite de Limoges, Limoges, France

Deadline for manuscript submissions

closed (20 September 2025)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/210925

Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

MDPI

About the Journal

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.

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

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 and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)