



Circular Materials

Guest Editors:

Prof. Dr. Vincent Verney

Institut de Chimie de Clermont
Ferrand, Université Blaise Pascal,
Ecole Nationale Supérieure de
Chimie, CNRS UMR6296, 63170
Aubière, France

Dr. Qian Zhou

Center of Expertise Biobased
Economy, ATGM, Avans
University of Applied Sciences,
Breda, The Netherlands

Deadline for manuscript
submissions:
closed (31 January 2022)

Message from the Guest Editors

Materials are designed and processed using primary resources and different transformation processes. These processes can be physical, chemical, mechanical, or a combination of all these. This is true for all classes of materials (metals, plastics, ceramics and glasses, composites, etc.). Energy is consumed, and releases to the environment may occur during these steps.

Materials must fulfil different specifications, each corresponding to application requirements. During their service life they must keep the level of the required properties as constant as possible. After use and age, they become wastes, which may be converted into new resources if recycling processes are involved.

Thus, materials must now also fulfil circularity requirements. This means that they must be designed to be sustainable from the cradle to the grave. Resources saving, reducing, reuse, and recycling must become prerequisites for materials' circularity. This Special Issue is open to all contributions bringing innovations and new concepts in these fields.





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)