

Special Issue

Circular Materials

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.

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

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

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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

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