Special Issue

Fire Safe, Sustainable and Smart Polymer-Based Materials: Frontiers in Science and Technology

Message from the Guest Editors

Interest in smart multifunctional nanocomposites has been steadily increasing over the past decades. The number of corresponding multifunctional materials increases with the ongoing development, and so do the fire safety concerns associated with their wide applications. In addition, rising environmental concerns and the depletion of petrochemical resources have resulted in an increased interest in bio-renewable polymer-based environmentally friendly materials. The field of safe, sustainable and smart materials (3S materials), with all its traditionalism and multidisciplinarity, has profited from the corresponding development. However, the specific features of this field have led to a considerable scattering of the literary sources and a lack of mutual information between all the relevant subjects. This Special Issue will help to overcome these problems and provide an excellent opportunity for publishing the latest advances in the relevant research fields. Full papers, review articles, and communications are all welcome.

Guest Editors

Prof. Dr. De-Yi Wang

Head of High Performance Polymer Nanocomposites Group, IMDEA Materials Institute, C/Eric Kandel, 2, 28906 Getafe, Madrid, Spain

Dr. Guangzhong Yin

Escuela Politécnica Superior, Universidad Francisco de Vitoria, Ctra. Pozuelo-Majadahonda Km 1,800, 28223 Pozuelo de Alarcón, Spain

Deadline for manuscript submissions

closed (20 March 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/94821

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

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)