Special Issue

Conducting Polymers in Composites: Synthesis, Characterization and Applications

Message from the Guest Editor

This Special Issue, "Conducting polymers in Composites: Synthesis, Characterization, and Applications" will address advances in smart materials science, including manufacturing, characterization, technology developments in applications such as medical devices, soft robotics, smart textiles, biotechnology, bioelectronics, microfabrication, sensors, and energy storage. There is currently an urgent demand for next-generation technologies, i.e., for high functionalized small devices with low energy use. Of special interest to this issue are works addressing the basic nature of materials in ground research mechanisms and advanced process technologies. Original papers and reviews are solicited on all types of conducting polymers in composites in blends and grafting or interpenetration networks that contain smart applications and address actuators, sensors, and supercapacitors. New ideas of combinations in materials science and other areas of biotechnology, the medical field, and soft robotics are very welcome.

Guest Editor

Dr. Rudolf Kiefer

Conducting Polymers in Composites and Applications Research Group, Faculty of Applied Sciences, Ton Duc Thang University, Ho Chi Minh City 700000, Vietnam

Deadline for manuscript submissions

closed (20 April 2022)



an Open Access Journal by MDPI

Impact Factor 3.2 CiteScore 6.4 Indexed in PubMed



mdpi.com/si/89914

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

mdpi.com/journal/

materials





an Open Access Journal by MDPI

Impact Factor 3.2 CiteScore 6.4 Indexed in PubMed



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)