



Advances in Composite Insulating Materials

Guest Editor:

Prof. Dr. Pengfei Fang

Key Laboratory of Artificial Micro- and Nano-Structures of Ministry of Education, Department of Physics, Wuhan University, Wuhan 430072, China

Deadline for manuscript submissions:
closed (20 August 2023)

Message from the Guest Editor

Dear Colleagues,

In the past two decades, the field of composite insulating materials has significantly developed through many valuable discoveries and improvements. This includes the improvement of their electrical, thermal and mechanical properties, expanding their application and indicating the possibility of electrical equipments' further advancement.

This Special Issue will offer an overview of the latest developments in the field of composite insulating materials. The articles presented in this Special Issue will cover various topics, including, but not limited to: high-temperature vulcanized silicone rubber (HTV), room-temperature vulcanized silicone rubber (RTV), epoxy composite insulating materials, polymer composite insulating coatings, fiber-reinforced insulating material, polyolefin composite insulating material, polymer nanocomposite insulating material and so on. Papers may also consider the design, characterization, properties and applications of advanced composite insulating materials.





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 - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
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)