



Smart Materials: Next Generation in Science and Technology

Guest Editors:

Dr. Peng Liu

School of Civil Engineering,
Central South University,
Changsha 410075, China

Dr. Lingkun Chen

School of Civil Engineering,
Yangzhou University, Yangzhou
225127, China

Dr. Xu Dongyu

Shandong Provincial Key
Laboratory of Construction
Materials Preparation and
Measurement, University of
Jinan, Jinan 250022, Shandong,
China

Deadline for manuscript
submissions:

closed (10 November 2023)

Message from the Guest Editors

Dear Colleagues,

Recent years have witnessed fascinating developments in various fields of materials science and the step-by-step transformation of scientific progress into novel technologies, which as a rule not only exhibit a substantially enhanced performance but are also friendly toward human health and the environment.

This Special Issue should help to overcome these problems. It provides an opportunity to create a compendium of novel methods, which will not only boost further scientific progress but also provide restorers and artists with a useful literary overview.

I cordially invite you to submit your contribution to this issue, whose topics include but are not limited to the following:

- Smart material development and application;
- Smart materials utilized as sensors and actuators with applications at any scale;
- Sensor and sensor networks for smart materials and structure applications;
- Energy harvesting systems including modeling, applications, and implementation issues;
- Structural health monitoring with applications to ground vehicles, aircraft, and civil infrastructure.



mdpi.com/si/94335

Dr. Peng Liu
Dr. Lingkun Chen
Dr. Xu Dongyu
Guest Editors

Special Issue



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)