Special Issue

Functional Materials for Energy Storage, Conversion and Environmental Sustainability

Message from the Guest Editors

In the past, the CEAM (Clean Energy and Advanced Materials) Symposium has been held alternately in Australia, Korea, and China. The symposium acts as a platform for researchers, engineers, academics, and industrial professionals from universities and industries, providing opportunities for the attendees to exchange ideas, share information, and establish a research and development network to promote technology transfer for clean energy and advanced materials. The CEAM2025 Symposium will be held from 28th to 30th November 2025 in Melbourne, Australia, and will be hosted by Monash University and Pusan National University. This Special Issue, which is affiliated with CEAM2025 but is open to all contributors, focuses on functional materials for energy storage, conversion, and environmental sustainability. We invite high-quality original research and reviews addressing (but not limited to) the following:

- Advanced materials for batteries, supercapacitors, and fuel cells.
- Catalytic and photocatalytic materials for energy conversion.
- Sustainable materials for carbon capture and environmental remediation.
- Novel synthesis and characterization of energy-related functional materials.

Guest Editors

Prof. Dr. Jianglong Yu

Prof. Dr. Sankar Bhattacharya

Prof. Dr. Chung-Hwan Jeon

Deadline for manuscript submissions

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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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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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