Topical Collection

Design, Processing, and Characterization of Functional, Smart and Sustainable Materials: Recent Advances

Message from the Collection Editor

This Topical Collection is intended to pull together the various advances and technologies in the multidisciplinary areas of design, synthesis, and characterization of functional materials, with sustainability in focus. Original research articles, case studies, technical reports, short communications, and reviews covering all different aspects of functional materials, including inorganic and organic, hybrid and composites, nanomaterials and polymers, soft matter and interfaces, are all welcome. The covered topics include, but are not limited to, the following:

- Civil infrastructure materials (e.g., bio-inspired concretes, smart concretes, and safe-healing concretes);
- Electronic and photovoltaics, and thermoelectric, optical, and magnetic materials (including sensors, dielectrics, pyroelectrics, piezoelectrics, and ferroelectrics);
- Biomaterials, nanomaterials, and polymers (e.g., polymers for controlled drug delivery);
- Carbon-based nanosorbents (e.g., carbon nanotubes (CNTs) and graphene);
- Ceramics, microporous, hybrids, and composite materials (including zeolite- and metal oxide-based adsorbents, and nanohybrid membranes);
- Materials for space technology, etc.

Collection Editor

Dr. Monday U. Okoronkwo

Department of Chemical and Biochemical Engineering, Missouri University of Science and Technology, Rolla, MO 65409, USA



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/28228

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

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

