



Advances in Functional Nanocomposites for Environmental Applications

Guest Editors:

Dr. Timur Sh. Atabaev

timur.atabaev@nu.edu.kz

Dr. Anara Molkenova

anara.molkenova@pusan.ac.kr

Dr. Kuanysh Zhussupbekov

zhussupk@tcd.ie

Dr. Ainur Zhussupbekova

zhussupa@tcd.ie

Deadline for manuscript
submissions:

25 February 2022

Message from the Guest Editors

Dear Colleagues,

Environment protection for current and future generations is a pivotal task that requires enormous scientific effort. Impressive progress in the development of functional nanocomposites enables their utilization as selective and sensitive sensors for the detection of toxic ions and dangerous pollutants. Moreover, porous and/or functionalized nanocomposites can be used to resolve some water, air, and soil contamination issues. For example, these nanocomposites can act as effective absorbents, adsorbents, nanosensors, catalysts, and antimicrobial agents depending on their structure and physicochemical properties.

This Special Issue is focused on recent advances in the preparation of functional nanocomposites (organic, inorganic, or hybrid) suitable for environmental applications. We are warmly inviting you to submit your recent research findings focused on, but not limited to, the detection, removal, conversion and/or degradation of toxic ions and dangerous pollutants...





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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.

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](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and many [other databases](#).

Journal Rank: [JCR](#) - Q2 (*Environmental Sciences*) / [CiteScore](#) - Q1 (*Geography, Planning and Development*)

Contact Us

Sustainability
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[@Sus_MDPI](https://twitter.com/Sus_MDPI)