



an Open Access Journal by MDPI

Metal-Based Nanocomposite: Synthesis and Applications

Guest Editor:

Prof. Dr. Nasser S. Awwad

Research Center for Advanced
Materials Science (RCAMS), King
Khalid University, Abha, Saudi
Arabia

Deadline for manuscript
submissions:

closed (31 October 2022)

Message from the Guest Editor

Dear Colleagues,

The important topics to be covered in this Special Issue:

1. Graphene-based metal and metal oxide nanocomposites;
2. Carbon nanotube–metal-oxide nanocomposites;
3. Metal-oxide-based nanocomposites applications for photocatalysis;
4. Metal oxide nanomaterials and solid conductors for sensor applications;
5. Metal oxide nanocomposites and its thermal property analysis;
6. Semiconducting metal oxides for photocatalytic applications;
7. Applications of metal oxide-based nanocomposites;
8. Metal oxide-based nanocomposites applications for photoluminescence and adsorption.

Prof. Dr. Nasser S. Awwad

Guest Editor



mdpi.com/si/114397

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](#)