



Nanomaterials for Electrocatalytic Applications

Guest Editor:

Dr. Paolo Bertoncello

Systems and Process Engineering
Centre, College of Engineering,
Swansea University, Bay Campus,
Crymlyn Burrows, Swansea SA1
8EN, UK

Deadline for manuscript
submissions:

30 June 2024

Message from the Guest Editor

Dear Colleagues,

Electrocatalysis is the branch of science that investigates the chemical reactions occurring at the surface of various nanomaterials from metal and metal oxide nanoparticles, to other nanomaterials with applications ranging from reactions of interest in energy (hydrogen oxidation, oxygen reduction reactions) but also in analytical chemistry, for example, sensors for the detection of analytes of clinical relevance. This Special Issue aims at collecting reviews and recent works on the most recent development in electrocatalysis studies applied to energy and sensing applications.

Dr. Paolo Bertoncello

Guest Editor





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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](https://twitter.com/X@Molecules_MDPI)