Special Issue

ICP-MS-Based Characterization and Quantification of Nano- and Microstructures

Message from the Guest Editor

This Special Issue is open to original research articles and reviews focused on, but not limited to, current developments, fundamental studies, metrological advances, and applications covering all areas of research associated with the use of ICP-MS for the characterization and quantification of nano- and microstructures (e.g., fundamental, theoretical, and measurement sciences; materials sciences; metrology; analytical and bioanalytical applications; environmental sciences; separation sciences; single-particle and single-cell ICP-MS; mass cytometry; micro- and nanoplastics; natural nanoparticles and colloids; health and biosciences; toxicology and ecotoxicology; nano- and microstructure exposure, risk assessment, and release from consumer products; etc.)

Guest Editor

Dr. Antonio R. Montoro Bustos

Inorganic Chemical Metrology Group, Material Measurement Laboratory, Chemical Sciences Division, National Institute of Standards and Technology, Gaithersburg, MD 20899, USA

Deadline for manuscript submissions

closed (15 October 2023)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/139753

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

mdpi.com/journal/nanomaterials

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/journal/nanomaterials

MDPI

About the Journal

Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
School of Geography, Earth and Environmental Science, University of Birmingham, Birmingham B15 2TT, UK

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, PMC, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q1 (General Chemical Engineering)