

Special Issue

Nanomaterials for Sensing and Imaging Applications

Message from the Guest Editor

The Special Issue is dedicated to the synthesis, characterization, and applications of nanomaterials for sensing and imaging. Recently, the development of nanomaterials with specific functionalization and the possible nanostructurization of materials—with dimensions smaller than ever before—have enabled huge developments in the sensing of different hazardous analytes, from organic to inorganic. The working principles are based on a change in specific properties of the nanomaterials—such as the color, resistivity, optical absorption, or fluorescence—when in presence of contaminants. From another perspective, since many nanomaterials are characterized by strong photoluminescence and photostability and, in addition, possess good biocompatibility, they can be used for biosensing, biological labeling, and bioimaging, with very good results.

Guest Editor

Dr. Paolo Proposito

Department of Industrial Engineering, University of Rome Tor Vergata,
Via Cracovia n.50, 00133 Roma, Italy

Deadline for manuscript submissions

closed (28 February 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/26307

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

mdpi.com/journal/

[appls](https://appls.mdpi.com)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)