



an Open Access Journal by MDPI

Nanoarchitectonics: A New Paradigm for Materials Science with Nanotechnology

Guest Editors:

Prof. Dr. Katsuhiko Ariga

Research Center for Materials
Nanoarchitectonics, National
Institute for Materials Science
(NIMS), 1-1, Namiki, Tsukuba
305-0044, Ibaraki, Japan

Dr. Rawil Fakhruллин

1. Institute of Fundamental
Medicine and Biology, Kazan
Federal University, Kremlyurami
18, 420008 Kazan, Russia
2. Department of Ichthyology and
Hydrobiology, Biological
Institute, National Research
Tomsk State University, 634050
Tomsk, Russia

Deadline for manuscript
submissions:
closed (30 October 2021)

Message from the Guest Editors

To meet social demands in contemporary social communities, including the production of goods, environmental protection and remediation, energy creation and storage, integrated information conversion, and biological and biomedical treatments require both (i) synthesis of functional materials by organic chemistry, inorganic chemistry, materials science, and supramolecular chemistry and (ii) precise fabrications by micro- and nanotechnology. So far, these efforts have been made rather separately. In order to promote science and technology with the combined efforts of these scientific and technological fields, a new paradigm to assemble these interdisciplinary fields is necessary. This can be satisfied with an emerging research concept, nanoarchitectonics. The nanoarchitectonics concept couples nanotechnology with various research fields, including materials science, supramolecular chemistry, and bio-related sciences, to logically create functional materials from nanoscale units.

For more information, please click the link:

https://www.mdpi.com/journal/materials/special_issues/nanoarchitectonics

Prof. Katsuhiko Ariga
Guest Editor



[mdpi.com/si/29462](https://www.mdpi.com/si/29462)

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)