



Green Nanotechnology: The Latest Innovations, Knowledge Gaps, and Future Perspectives

Guest Editors:

Dr. Roberto Martins

CESAM—Centre for Environmental and Marine Studies and Department of Biology, University of Aveiro, 3810-193 Aveiro, Portugal

Dr. Olga Barbara Kaczerewska

CICECO-Aveiro Institute of Materials and Department of Materials and Ceramic Engineering, University of Aveiro, 3810-193 Aveiro, Portugal

Deadline for manuscript submissions:

closed (31 January 2021)

Message from the Guest Editors

Dear Colleagues,

Nanotechnology is a key enabling technology bringing together chemists, biologists, physicians, and materials science engineers, among others. Not surprisingly, the use of nanostructured materials has been raising health and environmental safety concerns favoring the expansion of a sub-field dedicated to green and safe-by-design solutions. Green nanotechnology aims at developing solutions that minimize environmental and human health risks of nanomaterials during their lifetime through the replacement of toxic products or current processes through suitable eco-friendly alternatives. This Special Issue seeks innovative applications, products, technologies or processes beyond the state-of-the-art in any scientific green nanotechnology-related field as well as considerations in terms of future perspectives and identification of gap knowledges. Research on sustainable production of nanomaterials, novel safer-by-design technologies or (eco)toxicological assessment of novel nanomaterials is also welcome.

Dr. Roberto Martins

Dr. Olga Barbara Kaczerewska

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

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

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.

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, Embase, CAPlus / SciFinder, and other databases.

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

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)