Nanomaterials to Monitor and Improve Environmental Quality

Guest Editor:

Prof. Dr. Ashok Vaseashta

1. International Clean Water Institute, Manassas, VA 20110, USA
2. Biomedical Engineering and Nano Technologies Institute, Riga Technical University, LV-1048 Riga, Latvia
3. Ghitu Institute of Electronics Engineering and Nanotechnologies, MD 2028 Chisinau, Moldova

Deadline for manuscript submissions:
closed (20 November 2022)

Message from the Guest Editor

This Special Issue entitled "Nanomaterials to Monitor and Improve Environmental Quality" is to form a repository of current and diverse research investigating the various aspects of nanomaterial-based sensors/detector, devices and systems to monitor and mitigate contaminants to improve environmental aspects and enhance safety and sustainability, by soliciting comprehensive reviews and articles of original research and emerging innovations. Topics of interest include:

1. Nanomaterial-based sensors/detectors for environmental pollution interrogation with high specificity, selectivity and sensitivity;
2. Nanomaterial-based environmental contamination mitigation strategies. Articles dealing with microplastics and returned pharmaceutics in water are of particular interest;
3. Nanomaterials for sensing, detection and remediation of new and emerging contaminants;
4. Integration of nanomaterials in internet of (every) thing, IoT devices;
5. Nexus of technologies, foresight tools and multi-criteria decisions support analysis and risk assessment to understand and bridge knowledge gaps.

Special Issue

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), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us