Special Issue

Nanomaterials for Environmental and Biological Monitoring

Message from the Guest Editor

Dear Colleague, Over the past decades, advances in nanotechnology have been achieved through the synthesis and/or production of new and improved nanomaterials (NMs: e.g., imprinted polymers (IPs), metal–organic frameworks (MOFs), carbon nanotubes (CNTs), quantum dots (QDs), metal oxides (MOs), and their diverse derivatives). These NMs have been applied extensively to develop various sensing tools and devices in various fields due to their numerous favorable properties in terms of porosity, surface area, pore volume, receptor sites, thermal and chemical stability, selectivity, low toxicity, luminescence, and chemical functionality. The introduction of these advanced functional NMs has contributed greatly to the progress of NM-based sensing technology to resolve the limitations that conventional methods suffer from. In light of this advancement in NM-based sensing technology, this Special Issue is proposed to invite researchers who have been involved in the development and application of sensing techniques to detect various targets (metals, organics, and biological targets) in diverse environmental or biological media.

Guest Editor

Prof. Dr. Ki-Hyun Kim

Department of Civil & Environmental Engineering, Hanyang University, 222 Wangsimni-Ro, Seoul 04763, Republic of Korea

Deadline for manuscript submissions

closed (31 October 2021)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/36182

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

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/sensors

MDPI

About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, 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), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)