



sensors



an Open Access Journal by MDPI

Advanced Sensors and Sensing Materials-Selected Papers from Advanced Materials World Congress, 23-26 August Stockholm, Sweden

Guest Editor:

Dr. Ashutosh Tiwari

Director, Institute of Advanced Materials, Secretary-General, International Association of Advanced Materials, Teknikringen 4A, 583 30 Linköping, Sweden

Deadline for manuscript submissions:

closed (31 October 2015)

Message from the Guest Editor

Dear Colleagues,

An emphasis on detection techniques requires the use of advanced materials and new methods. The purpose and appeal of these detection techniques is derived from organic spin crossover, inorganic, and composite materials, which could be unique for sensor fabrication. The influence of a material's length, composition, and conformation structure on a material's properties, and the possibilities of adjusting sensing properties by doping or adding the side-groups, indicate the starting point of multifarious sensing. The role of inter-molecular interactions, polymer and ordered phase formation, as well as behavior under pressure, and under magnetic and electric fields, are also important factors to be considered in the processing of ultra-sensing materials. Topics for this Special Issue include:

Advanced Sensors and Sensing Materials based on/for nanomaterials and nanotechnology; biomaterials and biodevices; optical, electronic, magnetic, structural, computational, composite, ceramic, construction, and engineering materials; environmental and green materials.

Dr. Ashutosh Tiwari
Guest Editors



mdpi.com/si/4450

Special Issue



sensors



an Open Access Journal by MDPI

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

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.

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 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)