



*sensors*



an Open Access Journal by MDPI

## Soft Composite-Based Sensors

Guest Editors:

**Prof. Dr. Sung Hoon Kang**

Department of Materials Science  
and Engineering, Korea  
Advanced Institute of Science  
and Technology (KAIST), Daejeon  
34141, Republic of Korea

**Dr. Zhiyong Xia**

Applied Physics Laboratory,  
Johns Hopkins University,  
Baltimore, MD, USA

Deadline for manuscript  
submissions:

**closed (28 February 2022)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue invites the submission of both original research articles and reviews related to soft materials/composites for sensing and detection applications. Soft materials/composites are attractive for various sensing applications due to a number of advantages, including tunability, sensitivity, stretchability/flexibility, ease of fabrication, various form factors, and low cost, to name a few. These materials can be tuned to sense various stimuli, including pressure, mechanical strain, temperature, acoustic wave, and humidity. Moreover, recent developments in advanced fabrication approaches, including 3D printing and having arrays of sensors, have opened up new opportunities for detecting the direction of the signal so that we can identify the source of the signal. This Special Issue is open to contributions ranging from novel material synthesis, device design, fabrications, testing, and evaluation, as well as innovative applications of sensors, including but not limited to health or environmental monitoring, soft robotics, and multifunctional sensors.

*Sung Hoon Kang*

*Zhiyong Xia*

*Guest Editors*



[mdpi.com/si/52014](https://mdpi.com/si/52014)

**Special** Issue



*sensors*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Vittorio M. N. Passaro**

Department of Electrical and  
Information Engineering,  
Politecnico di Bari, Via Orabona  
4, 70126 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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

## Contact Us

---

*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)