



*sensors*



an Open Access Journal by MDPI

## Biomedical Infrared Imaging: From Sensors to Applications

Guest Editors:

**Prof. Dr. Arcangelo Merla**

Department of Engineering and  
Geology, University of G.  
d'Annunzio Chieti and Pescara,  
65127 Pescara, Italy

**Dr. Antonio Maria Chiarelli**

Infrared Imaging Lab, ITAB  
Institute for Advanced  
Biomedical Technologies,  
Department of Neuroscience,  
Imaging and Clinical Sciences,  
University of Chieti-Pescara,  
66100 Chieti, Italy

Deadline for manuscript  
submissions:

**closed (30 November 2018)**

### Message from the Guest Editors

Dear Colleagues,

Technological advancement of infrared sensors is particularly important for biomedical research. This Special Issue aims to create a sharing opportunity between experts on infrared sensors development and scientists that apply such technology within the biomedical field through software, experimental procedures, or novel applications. Different innovative detectors, sensitive to different ranges of the infrared spectrum (from near- to far- infrared; e.g., Silicon Photomultipliers, Bolometers, Quantum Well Detectors, etc.), and application that relies on such sensors, with emphasis on, but not only, wireless or portable technologies, are suitable topics. Original papers that describe new research or innovative biomedical application are welcome. We look forward to, and welcome, your participation in this Special Issue.

Prof. Dr. Arcangelo Merla  
Dr. Antonio Maria Chiarelli  
*Guest Editors*



[mdpi.com/si/12562](https://mdpi.com/si/12562)

**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](#)