



sensors



an Open Access Journal by MDPI

Low-Cost Optical Sensors

Guest Editor:

Dr. Carlos Angulo Barrios

Department of Photonics and
Bioengineering, CEMDATIC, ETSI
Telecomunicación, Universidad
Politécnica de Madrid, Ciudad
Universitaria s/n, 28040 Madrid,
Spain

Deadline for manuscript
submissions:

closed (25 September 2023)

Message from the Guest Editor

Dear Colleagues,

Optical sensors are a broad class of devices based on the use of light to detect variations in physical or chemical magnitudes. The multiple properties of light, high availability of optical components and systems, and abundance of optical responsive and sensitive materials have allowed optical sensors to be applied to a huge number of applications.

This Special Issue focuses on low-cost optical sensors, that is, optical sensors based on simple configurations that can be implemented by using cost-effective materials and fabrication processes. Cost-saving and simplicity requirements may limit the performance of specific aspects of these devices as compared with expensive and complex optical sensors; however, this apparent drawback can be overcome by superior affordability and competitiveness in low- and moderate-demand applications.

For more details, please visit [here](https://www.mdpi.com/si/106572).



[mdpi.com/si/106572](https://www.mdpi.com/si/106572)

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 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us

Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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