

## Special Issue

# Recent Advances in Optical Sensors

### Message from the Guest Editors

Optical sensors, which use light to detect changes in the environment or in objects, have undergone a remarkable evolution thanks to innovations in materials, manufacturing technologies and signal processing. This has made it possible to improve the accuracy, sensitivity and selectivity of measurements, opening up new possibilities in fields such as health, safety, environmental monitoring and automation.

The main objective of this Special Issue is to bring together original contributions presenting recent developments in the design, fabrication and application of optical sensors. Submitted papers are expected to address key aspects, such as new sensing principles, improvements in sensor configurations, advances in photonics-based technologies and integrated optics, as well as innovative approaches to sensing under extreme conditions. Authors are invited to present experimental, theoretical or simulation studies, with a focus on the practical applicability of optical sensors and the impact they may have on future technologies.

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### Guest Editors

**Dr. Oscar E. Bonilla Manrique**

Electronics Technology Department, Carlos III University of Madrid,  
28911 Leganés, Spain

**Dr. Pedro Martín-Mateos**

Electronics Technology Department, Carlos III University of Madrid,  
28911 Leganés, Spain

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### Deadline for manuscript submissions

20 December 2025



## Applied Sciences

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*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

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