

## Special Issue

# Recent Advances in Optical Sensor Design and Applications

### Message from the Guest Editors

This special Issue is intended for the presentation of new ideas and experimental results in the field of design, measurement techniques, and applications of optical sensors. Additionally, it is intended to provide a multidisciplinary forum where researchers can present their recent advances in the aforementioned fields. Topics include, but are not limited to, the following domains:

- All-fiber sensors.
- Laser-based sensors.
- Sensors based on interferometric systems.
- Optical biological sensors.
- Optical chemical sensors.
- Use of machine learning on sensor data.
- Use of artificial intelligence on sensor data.
- Multiparametric optical sensors.
- Special applications of optical sensors.

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### Guest Editors

Prof. Dr. Ana Dinora Guzman-Chavez  
Prof. Dr. Everardo Vargas-Rodriguez  
Dr. Qun Han

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### Deadline for manuscript submissions

closed (20 May 2025)



## Applied Sciences

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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  
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