

## Special Issue

# Plasmonic Optical Fiber Sensors: Technology and Applications

### Message from the Guest Editors

PFOSs are promising and powerful optical chemical and biochemical detection techniques, allowing the monitoring of label-free biomolecular interactions in real time due to the technology's fast response, high sensitivity, and ability to achieve ultra-low limits of detection. Different materials and alloys have also been investigated for plasmonic effect enhancement along with new interrogation techniques dedicated to increasing resolution and sensitivity. As the application fields of PFOS technology have grown enormously, this Special Issue is devoted to the most recent developments in the area, including sensing fundamentals, design, coating materials, innovative interrogation techniques and data processing, and practical implementation (e.g., biomedical applications, environmental evaluation, and food analysis). For more details, please visit [here](#).

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### Guest Editors

Dr. Cátia Leitão

Prof. Dr. Nunzio Cennamo

Dr. Daniele Tosi

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### Deadline for manuscript submissions

closed (25 November 2023)



## Sensors

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

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### 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.

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### 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

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