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## Plasmonic Optical Fiber Sensors: Technology and Applications

Guest Editors:

**Dr. Cátia Leitão**

**Prof. Dr. Nunzio Cennamo**

**Dr. Daniele Tosi**

Deadline for manuscript  
submissions:  
**closed (25 November 2023)**

### Message from the Guest Editors

Dear Colleagues,

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](#).

Dr. Cátia Leitão  
Prof. Dr. Nunzio Cennamo  
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*Guest Editors*



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# Special Issue



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## Message from the Editor-in-Chief

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