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Optical Fiber Biosensors

Guest Editors:

Dr. Mikhael Bechelany

European Institute of Membranes
(IEM), University of Montpellier,
34090 Montpellier, France

Prof. Dr. Malgorzata Szczerska

Department of Metrology and
Optoelectronics, Faculty of
Electronics, Telecommunications
and Informatics, Gdańsk
University of Technology,
Gdańsk, Poland

Deadline for manuscript
submissions:
closed (31 October 2020)

Message from the Guest Editors

Dear Colleagues,

Fiber optic sensors are gaining more and more popularity in sensing in the field of life sciences. Combining high measurement resolution with broad measurement ranges, these sensors can accurately measure several physical quantities. Moreover, the use of reflective transducers is possible, limiting their intrusiveness to the environment in which they operate. Finally, as they use standard, inexpensive optical components, their cost can be kept low.

Moreover, the evolution of other fields of science and technology influences fiber-optic biosensors, providing many opportunities for their further development. A good example can be the combining of innovative materials with fiber-optic technology, which can allow the construction of new fiber-optic biosensors with enhanced properties.

The aim of this Special Issue is to collect and highlight the latest advances in fiber-optic biosensing. Original research papers that focus on the design and experimental verification of fiber-optic biosensors, as well as papers that focus on their testing for biomedical and clinical applications are welcome.

For more information, please visit: mdpi.com/si/27689.



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Special Issue



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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

Message from the Editor-in-Chief

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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