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Surface Plasmon Resonance (SPR)-Based Sensors and Their Biological Applications

Guest Editors:

Dr. Victoria Shpacovitch

Biomedical Research
Department, Bioresponsive
Materials Working Group, Leibniz
Institute for Analytical Sciences,
ISAS e.V., Bunsen-Kirchhoff-
Straße 11, 44139 Dortmund,
Germany

Dr. Roland Hergenröder

Leibniz-Institut für Analytische
Wissenschaften - ISAS - e.V.,
44139 Dortmund, Germany

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Message from the Guest Editors

Dear Colleagues,

Surface plasmon resonance (SPR)-based sensors are the subject of a growing scientific and practical interest mainly due to their high sensitivity and versatility, as well as their ability to perform the label-free detection of bio-particles or bio-molecules. These traits make SPR-based sensors ideal platforms for the development of diverse chemical and biological assays. Nowadays, SPR-based sensors are widely used in different research and practical fields, such as pharmacology, biomedical science, environmental monitoring, food science, and others. In future, the integration of SPR-based sensing platforms in small research groups or in point of care clinical units will require the development of miniaturized, user-friendly, and low-cost instruments. Thus, this Special Issue is planned to highlight not only the newest scientific developments in biomedical applications of SPR-based sensors, but also to indicate novel trends in the development and engineering of SPR sensing platforms.



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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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