

Special Issue

Transforming Diagnostics with Immunosensors: From Design to Real-World Applications

Message from the Guest Editors

Immunosensing technologies and biosensors are transforming conventional diagnostic approaches in various domains, including healthcare, food safety, and environmental monitoring. This study area emphasizes sophisticated immunosensing techniques and their applications for the accurate and swift detection of target analytes. This Special Issue will focus on the advancement of biosensors including improved sensitivity and selectivity, incorporating novel materials such as nanoparticles, quantum dots, and sophisticated polymers for signal enhancement and durability. Contributions that demonstrate sensors with commercialization potential, such as portable devices for disease diagnostics or environmental monitoring, are especially encouraged. Highlighted subjects encompass innovative bioreceptor designs, advanced transduction techniques, and the utilization of immunosensors for the detection of pathogens, disease biomarkers, and environmental pollutants. We invite articles that advance immunosensing technology, providing novel insights and practical applications in diagnostics and other fields.

Guest Editors

Dr. Ashutosh Kumar

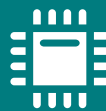
Department of Electrical Engineering, University of Notre Dame, Notre Dame, IN 46637, USA

Dr. Apurba Paul

Department of Electrical Engineering, University of Notre Dame, Notre Dame, IN 46637, USA

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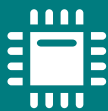


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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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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.

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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