

Special Issue

The New Immunosensors and Chemosensors

Message from the Guest Editors

Immunosensors utilize an antibody layer as a molecular recognition layer to measure signals produced upon analyte binding, using various methods including electrochemical, optical, thermal, piezoelectrical, magnetic techniques. In addition to antibodies, other bioreceptors such as enzymes, aptamers, DNA, and RNA are broadly incorporated in the molecular recognition layer of biosensors. These immunosensors and chemosensors are utilized in various applications including medical diagnosis, drug discovery, environmental monitoring, and prosthetic devices. This Special Issue will focus on recent developments of immunosensors and chemosensors. **Keywords:** Immunosensor; Chemosensor; Immunoassay; Immunoanalysis; Immunoaffinity layer; Antibody immobilization; Antigen immobilization; Protein immobilization Orientation control; Bioreceptor; Antibody; Aptamer; Affibody; Nanobody; Disease marker; Enzyme-linked immunosorbent assay (ELISA); Medical diagnosis Autoantibody detection; Protein detection; Cancer diagnosis

Guest Editors

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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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