



The New Immunosensors and Chemosensors

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Deadline for manuscript
submissions:

closed (30 November 2022)

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





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Message from the Editor-in-Chief

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Journal Rank: JCR - Q2 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

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