

Special Issue

Symmetry in Biosensors

Message from the Guest Editor

We are pleased to announce a new Special Issue collection of the journal *Symmetry* entitled “Symmetry in Biosensors”. Significant progress has been achieved in the field of bio-photoelectric sensing with the development of a sophisticated sensing platform that utilizes microsensors. This area of research focuses on exploring novel biosensing techniques designed for early disease detection, ensuring food safety, and monitoring environmental conditions. A notable breakthrough includes the development of a rapid liquid biopsy method that simplifies the processes of biomarker separation, enrichment, and identification in trace samples, reducing the procedure to just two minutes. The remarkable sensitivity of these detection capabilities has drastically improved the precision and effectiveness of cancer diagnostics and food safety evaluations. This Special Issue aims to investigate how symmetry principles can enhance the sensitivity, accuracy, and reliability of biosensors in detecting biomarkers, particularly in the realms of cancer diagnostics and food safety...

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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