

Special Issue

New Advances and Applications in Biosensors for Biomolecules and Biochemicals

Message from the Guest Editors

Biosensors have garnered considerable attention in recent years, both in academia and industry. One of the main applications for biosensors is the detection of biomolecules or biochemicals that are early indicators of diseases or other biological hazards. Biosensors can also be used in diverse applications such as environmental monitoring, food safety, defense, drug discovery, and implantable devices, to name a few. Because of this wide range of applications, biosensing technologies have become ubiquitous and are not confined to a specific niche. Our Special Issue aims to showcase the latest research in biosensor techniques based on the principles of electrochemistry, optical, piezoelectric, thermal, chemical, etc. This Special Issue will also cover sensor modification techniques based on biomolecules such as enzymes, antibodies, nucleic acids, and other affinity molecules. Finally, this Special Issue will allow researchers in the community to share their work on biosensor fabrication, in vitro and in vivo application, and biosensor instrumentation that encompass the detection of a variety of target biomolecules and biochemicals.

Guest Editors

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Message from the Editor-in-Chief

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