

Special Issue

Food Safety and Quality Monitoring

Message from the Guest Editors

The biosensors industry is now worth billions of US dollars, with applications mostly in the biomedical field. There is still a great demand for portable, user-friendly, rapid and highly robust methods to monitor food quality and safety throughout the food production chain. The use of biosensors as emerging technologies could revolutionize the study and detection of foodborne pathogens, toxins, allergens, contaminants, and biomarkers for food quality and safety. The development of biosensors will further serve the food industry, agricultural sector, regulatory community, and public health. A biosensor is defined as a device that recognizes biological or chemical species via interaction with a biological agent or biomaterial and then transduces this interaction into a measurable signal. This Special Issue aims to promote recent and significant advances in the field of biosensing and its applications to food safety, food quality, and food processing, as well as agriculture systems. We would like to invite you to participate in this Special Issue by submitting either an original research paper or a review article on biosensors for food safety and quality monitoring.

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About the Journal

Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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