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Sensors and Biosensors Application for Food Industries

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Message from the Guest Editors

Sensors are widely used in industrial processes mainly due to the wide range available on the market, their robustness, low costs for both purchase and maintenance and their small size. Many sensors are used as actuators in the production chain and for the control of product quality and compliance, often online, or at the end of production and during the marketing cycle. Such controls, especially as far as the verification of quality is concerned, require high accuracy, precision, selectivity and sensitivity, so that sensors often cannot compete with other analytical techniques. Accordingly, researcher in the sector have been putting a lot of efforts to improve these figures of merit; in particular, in the case of selectivity, the best strategy is coupling the device with a biological system to obtain biosensors.

Based on these consideration, the present special issue welcomes contributions describing sensors and biosensors application for food industries, both in terms of methodological or instrumental developments and of application to specific food-related context.



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Special Issue



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Message from the Editor-in-Chief

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