

Special Issue

Biosensing Systems for Allergen and Allergy Testing

Message from the Guest Editors

The numbers of publications related to the detection of food, environmental and drug allergens and allergies in humans and pets have increased rapidly, which implies that analytical tools are playing an important role in this area of knowledge. With the rapid development of molecular diagnostics, biosensing techniques integrated with new materials and devices have shown great potential for in vitro allergy testing. Biosensing systems and biosensors are analytical devices that use a biological recognition element (e.g., enzyme, antibody, nucleic acids, and aptamer) for the specific detection of target analytes in biological samples and a system to transduce the biorecognition into a measurable signal. This Special Issue will provide a platform and opportunity to promote cooperation, information, dissemination and exchange between researchers and industry based on novel biosensing technologies for allergen and allergy testing.

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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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