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Biosensing Systems for Allergen and Allergy Testing

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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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Special Issue



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Message from the Editor-in-Chief

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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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