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New Researches in Food Allergen Detection

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Message from the Guest Editors

Dear Colleagues,

Currently, food allergies are an important health concern worldwide. The presence of undeclared allergenic ingredients or the presence of traces of allergens due to contamination during food processing poses a great health risk to sensitized individuals. Therefore, reliable analytical methods are required to detect and identify allergenic ingredients in food products. Enzyme-linked immunosorbent assay (ELISA) is the most used and common method to detect small amounts of proteins from specific foods and it is possible to find several ELISA kits, as well as other commercial immunoassays (i.e. lateral flow), in the market. In the last years, DNA-based methodologies have been proposed as an specific, sensitive and reliable alternative to ELISA, as Real Time PCR, microarrays and also DNA biosensors. The present issue gives an updated overview of the applications of new research in DNA and proteins-based methodologies for the detection of allergens.

Dr. Rosario Linacero
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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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