



Biosensing Technologies for Detecting Food Contaminants

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Message from the Guest Editor

Dear Colleagues,

Applications of biosensing technologies in food safety are attracting more attention. Food contaminants are any harmful substances unintentionally added to food, which may be chemicals from natural sources, environmental pollution, or formed during food processing. Biosensor methods detect a specific trace analyte within a food matrix. Rapid, cost-effective, and portable biosensors can be extensively applied; however, there are still numerous challenges to be overcome. Rapid biosensor methods such as enzyme-linked immunosorbent assay (ELISA), immunochromatographic strip (ICS), aptamer, and lab-on-a-chip methods for detecting natural toxins, mycotoxins, marine biotoxins, antibiotic residues, plant toxins, pesticide, veterinary drug residues, artificial additives, and processing contaminant-acrylamide in the food chain are welcome. The main topic is related but not limited to:

- monoclonal antibody
- ELISA
- immunochromatographic strips
- biosensors
- gold nanoparticles
- aptamer
- mycotoxin
- marine biotoxins
- antibiotic
- veterinary drugs





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Message from the Editor-in-Chief

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