

## Special Issue

# Biosensors for the Bacteria Diagnostic Platform: Design, Development, and Application

### Message from the Guest Editors

Foodborne bacteria could cause fever, headache, vomiting and diarrhea, etc., even resulting in death. According to the World Health Organization, diagnostic approaches will be more attractive with these advancements, including affordable, sensitive, specific, user-friendly, robust, rapid, equipment-free, and deliverable to end-users (ASSURED). However, traditional bacterial detection assays such as culture, polymerase chain reaction, and enzyme-linked immunosorbent assay are unable to satisfy the ASSURED requirements. It is necessary to develop novel biosensors for the screening of foodborne bacteria.

This Special Issue will collect reviews or research papers about biosensors and POCT devices for bacteria detection. The scope includes but is not limited to the following:

1. Design of advanced methods for bacteria detection;
2. Design and development of advanced bacteria diagnostic systems;
3. Application of computer technology in bacteria detection;
4. Novel sensing elements;
5. Signal amplification strategies;
6. Microfluidic devices for bacteria detection;
7. Nanotechnology for bacteria detection;
8. Biological materials for bacteria detection.

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### Guest Editors

Dr. Wuzhen Qi

Dr. Lingyan Zheng

Dr. Cong Wang

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### Deadline for manuscript submissions

closed (27 August 2023)



## Life

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### Editor-in-Chief

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