



## Novel Optical Biosensing Technology

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Deadline for manuscript  
submissions:

**closed (31 August 2024)**

### Message from the Guest Editors

Recently, rapid advancements have been observed in optical biosensing technology in various areas, including disease diagnosis, agriculture, food safety, and environmental monitoring. Optical biosensing detection, molecular diagnostics, wearable sensors, digital health, and artificial intelligence strategies, especially integration with nanomaterials and functional nucleic acids (e.g., aptamers, DNAzymes, etc.), have shown lower detection costs and times, higher sensitivity and specificity, and more distinguished compatibility to portable platforms. Notably, as an emerging field, the clustered regularly interspaced short palindromic repeats (CRISPR)-based technique has become an immensely effective tool in rapid biosensing.

Therefore, this Special Issue aims to bring together original research and review articles regarding recent advances, technologies, solutions, applications, and new challenges in the field of novel optical biosensing technology.





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## Message from the Editor-in-Chief

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