

## Special Issue

# Progress in FRET-Based Biosensors

### Message from the Guest Editor

Over the years, Förster resonance energy transfer (FRET) has emerged as a powerful technique for elucidating the intricate mechanisms underlying cellular processes in live cells and organisms with spatio-temporal precision. This versatile technique is highly effective for detecting a wide range of analytes. As a result, FRET-based biosensing has garnered significant interest in the fields of biomedical and life sciences. For this Special Issue, we invite original research manuscripts focused on the following: 1. the design and development of novel FRET-based biosensors; 2. the application of FRET-based biosensors in diagnostics; 3. the real-time monitoring of cellular dynamics using FRET sensors; 4. multiplexed imaging with FRET-based biosensors. Additionally, review articles covering progress in FRET-based biosensors over the past decade, particularly those categorically addressing the detection of analytes such as ions, small molecules and metabolites, proteins, lipids and enzymes, are highly encouraged.

### Guest Editor

Dr. Ananya Rakshit

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### Deadline for manuscript submissions

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## Biosensors

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## About the Journal

### Message from the Editor-in-Chief

*Biosensors* is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. 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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