

## Special Issue

# Novel Concepts in Aptamer Selection, Modification and Integration into Sensing Platforms

### Message from the Guest Editors

You are kindly invited to submit original research and review articles to this new Special Issue dedicated to the most recent developments in the field of aptamers and aptasensors. This Special Issue aims to gather the latest advances in aptamer selection techniques and the rational or semirational introduction of modifications to improve their affinity and specificity and enhance their performance. It also aims to showcase novel applications of aptamers alone or in combination with nanomaterials in fields where they are already traditionally deployed (environmental and food monitoring), but also in emerging ones such as medical diagnostics and therapeutics, with a special emphasis on their employment in complex matrices with minimal sample preparation. It is my hope that this Special Issue will provide a forum for the exchange of groundbreaking ideas on aptamers and their applications and will inspire the scientific community to further investigate aptamer structure, rational design, and integration into biosensing platforms.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 January 2022)



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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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