

## Aptamer Technologies

Guest Editors:

**Dr. Mark Platt**

Department of Chemistry,  
Loughborough University,  
Loughborough LE11 3TU, UK

**Dr. Sourav Ghosh**

Loughborough University,  
Loughborough, Loughborough  
LE11 3TU, UK

**Dr. David Bunka**

Aptamer Group Ltd, Suite 2.80 –  
2.87, Bio Centre, Innovation Way,  
Heslington, York, UK

Deadline for manuscript  
submissions:

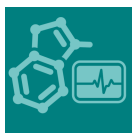
**closed (30 September 2018)**

### Message from the Guest Editors

The continued advancement of aptamer-based technologies, and the pursuits of industry and academia to deliver new aptamers more easily, and with enhanced properties, has enriched a range of applications, such as therapeutics, bioimaging, and environmental purification and monitoring. One such area that continues to grow is that of aptamer-based sensors.

The term aptamer encompasses DNA, RNA and peptide oligomers, each subset with its own unique set of chemical properties, stabilities, and applications. In this Special Issue, we want to highlight the recent and exciting developments in the field of aptamer research. The emphasis will be on the ways that these technologies have enabled new measurements, chemical processes, and methodologies. Examples of topics will include biosensors, security, food safety, antimicrobial resistance, flow technologies, such as lateral flow and functionalized flow reactors, point of care diagnostics, and more fundamental research into the rapid identification and modification of peptides with additional properties, such as DNazymes or enhanced affinity, to name a few.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Nicole Jaffrezic-Renault**

Institute of Analytical Sciences,  
UMR CNRS 5280, Department  
LSA, 5 Rue de La Doua, 69100  
Villeurbanne, France

## Message from the Editor-in-Chief

*Chemosensors* is an international, scientific, open access journal on the science and technology of chemical sensors published by MDPI. All articles are released on the internet immediately following acceptance. The journal publishes reviews, regular research papers, and communications. The scope of Chemosensors includes:

New chemical sensors design

Electrochemical devices, potentiometric sensor, redox electrode

Optical chemical sensors

Analytical methods

Environmental monitoring

Gas detectors

electronic nose, etc.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), and [other databases](#).

**Journal Rank:** JCR - Q1 (*Instruments & Instrumentation*) / CiteScore - Q2 (*Analytical Chemistry*)

## Contact Us

*Chemosensors* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/chemosensors](http://mdpi.com/journal/chemosensors)  
[chemosensors@mdpi.com](mailto:chemosensors@mdpi.com)  
[X@chemosens\\_MDPI](https://twitter.com/chemosens_MDPI)