

## Special Issue

# Nanostructured Electrochemical Sensors for Food Safety and Quality Control

### Message from the Guest Editors

Foodborne-related diseases caused by additives and contaminants represent a significant challenge for food processing industries. Electrochemistry offers simple and robust analytical tools with several advantages over conventional methods. The development of a wide range of nanomaterials has opened the horizon for their applicability in the design of electrochemical sensing devices in different areas, food safety and quality control being one of them. Nanomaterial-based electrochemical sensors have garnered enormous attention due to their high sensitivity and selectivity, simple preparation, low-cost, real time monitoring, miniaturisation, and portability, among others.

The aim of this Special Issue is to provide the latest findings in this research field, namely development of innovative nanostructured electrochemical devices, their preparation, optimisation, characterisation and application to food and beverages safety and quality control. We invite original research papers and comprehensive reviews covering any experimental and computational approaches related to the abovementioned topics. Dr. Mariana Emilia Ghica

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### Guest Editors

Dr. Mariana Ghica

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### Deadline for manuscript submissions

closed (31 January 2023)



## Molecules

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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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