Special Issue

Quantitative Sensing in the Microspace

Message from the Guest Editors

Advances in microfluidics are revolutionizing life sciences and (bio)chemistry. Microfluidics enable environmental control in miniaturized reaction spaces and can be used for massively parallelized or accelerated analyses. Nonetheless, the application of microfluidics is often limited by analytical capabilities for detecting and quantifying analytes with the necessary sensitivity, specificity, and selectivity. Novel and innovative in situ approaches for the multimodal sensing of biological and chemical processes in the microspace are now emerging to keep pace with the rapid developments in microfluidics.

The Special Issue aims to collect recent findings and advances in the quantitative sensing of analytes in microfluidic reaction environments. Researchers are invited to contribute research and review articles, as well as short communications, encompassing the broad range of disciplines from life sciences to chemistry. For more information, please check out here.

Guest Editors

Dr. Christian Dusny

Department Solar Materials, Helmholtz Centre for Environmental Research (UFZ), Permoser Str. 15, D-04318 Leipzig, Germany

Prof. Dr. Alexander Grünberger

Faculty of Technology, Bielefeld University, 33615 Bielefeld, Germany

Deadline for manuscript submissions

closed (25 April 2022)



Chemosensors

an Open Access Journal by MDPI

Impact Factor 3.7 CiteScore 7.3



mdpi.com/si/63140

Chemosensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
chemosensors@mdpi.com

mdpi.com/journal/chemosensors





Chemosensors

an Open Access Journal by MDPI

Impact Factor 3.7 CiteScore 7.3



About the Journal

Message from the Editorial Board

Chemosensors continues to grow as a forum for all manners of sensing that encompass chemistry.

Chemosensors is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

Editors-in-Chief

Prof. Dr. Jin-Ming Lin

Beijing Key Laboratory of Microanalytical Methods and Instrumentation, Department of Chemistry, Tsinghua University, Beijing 100084, China

Prof. Dr. Nicole Jaffrezic-Renault

Institute of UTINAM, University of Franche-Comté, UMR-CNRS 6213, 16 Gray Road, 25030 Besançon, France

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Engineering Village and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Physical and Theoretical Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).

