# **Special Issue**

## Biochar Based Sustainable Sensing Platforms

## Message from the Guest Editors

Biochar is a porous, carbonaceous material produced by the solvent-free pyrolysis of biomasses and it is rapidly emerging as an alternative to traditional synthetic carbon nanostructures to manufacture greener, sustainable, carbon-based materials to be used in diverse application fields. Its exploitation in sensing platforms has constantly grown in the last ten years, due to its favorable analytical performances, which were reported as comparable to those of the best traditional carbon-based materials. The fabrication and tailoring processes are constantly tuned and optimized, taking advantage of different chemical treatments and decoration procedures with metal/metal oxide nanoparticles and enzymes, aiming at further enhancing its selectivity and sensitivity. This Special Issue aims at collecting novel studies deepening our current knowledge on biochar-derived sensing materials. We chiefly encourage the submission of original research papers and short communications.

### **Guest Editors**

Prof. Damiano Monticelli

Dr. Gilberto Binda

Dr. Davide Spanu

Deadline for manuscript submissions closed (10 April 2023)



## Chemosensors

an Open Access Journal by MDPI

Impact Factor 3.7 CiteScore 7.3



mdpi.com/si/82593

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



chemosensors



## 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).