Special Issue

Determination of Trace Elements by Optical Emission Spectrometry

Message from the Guest Editors

No one needs to be convinced of the necessity of monitoring for environmental contamination with heavy metals, food/drug quality control, and trace analysis of many other types of samples. One of the most commonly used methods for these purposes is optical emission spectrometry (OES), and it is hard to overestimate its role in the determination of trace elements. An excitation source that holds a dominant position in OES is inductively coupled plasma (ICP): however, many alternative emission sources have been developed over the last two decades. This Special Issue aims to present the latest developments in the field of trace analysis by optical emission spectrometry. I would like to invite researchers dealing with uncommercial excitation sources as well as with the innovative application of commercially available instruments.

Guest Editors

Dr. Piotr Jamroz

Faculty of Chemistry, Division of Analytical Chemistry and Chemical Metallurgy, Wroclaw University of Science and Technology, Department of Chemistry, Wroclaw, Poland

Dr. Krzysztof Gręda

Division of Analytical Chemistry and Chemical Metallurgy, Faculty of Chemistry, Wroclaw University of Science and Technology, Wybrzeze Stanislawa Wyspianskiego 27, 50-370 Wroclaw, Poland

Deadline for manuscript submissions

closed (31 May 2021)



Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



mdpi.com/si/66496

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

mdpi.com/journal/ molecules





Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



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.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

