



Application of Mass Spectrometry Technology in Geochemistry

Guest Editor:

Dr. Nico Ueberschaar

Mass Spectrometry Platform,
Friedrich Schiller University Jena,
07743 Jena, Germany

Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editor

Dear Colleagues,

The *Separations* journal is currently launching a Special Issue with the title “Application of Mass Spectrometry Technology in Geochemistry”.

Research papers targeting geochemistry involving mass spectrometry have historically mainly focused on element chemistry or allied methods. Since hyphenated analytical mass spectrometry such as GC-(HR)MS or (U)HPLC-(HR)MS has become the standard method in all kinds of -omics, these techniques are still underrepresented in geochemistry and related processes.

This Special Issue aims to stress the significance of LC-MS, GC-MS, and related methods in the field of geochemistry. This Special Issue thus invites contributions such as original research articles, case studies or reviews on the current advances of applying metabolomics methods to geochemistry. Fundamental works dealing with the whole analytical process from sample preparation to data analysis are welcome, as well as applied research presenting novel analytical strategies, method development, and validation, including special applications such as (bio)-geochemical transformations.

Dr. Nico Ueberschaar
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Frank L. Dorman

Department of Chemistry,
Dartmouth College, Hanover, NH
03755, USA

Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Chromatography*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Author Benefits

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

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

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 13.6 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2023).

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/separations
separations@mdpi.com
[X@Sep_MDPI](#)