



The Application of ICP Spectroscopy in the Environment Research

Guest Editors:

Dr. Chris Douvris

Department of Biological & Chemical Sciences, Theobald-434, New York Institute of Technology, 500 Northern Boulevard, PO Box 8000, Old Westbury, NY 11568-8000, USA

Dr. Derek Bussan

Department of Chemistry, Eastern Kentucky University, Richmond, KY, USA

Deadline for manuscript submissions:

closed (31 December 2021)

Message from the Guest Editors

Dear Colleague,

In the last 15 years, ICP-OES and ICP-MS have become the methods of choice for determination of most of the elements in the periodic table at $\mu\text{g/L}$ to ng/L levels. An area of application for ICP spectroscopy that usually attracts widespread interest is the area of environmental studies, as the monitoring of the various elemental concentrations concerns not only the scientific community and but also the general public. The analysis of a variety of samples is continuously being reported that includes soils, sediments, water samples, grains, fish, and various other forms of aquatic life. Heavy metals and elements of acute toxicity are being analyzed using the powerful multi-element capability with flexibility of the methods. In view of the above, this Special Issue of Separations intends to feature scientific reports from a wide range of environmentally related research that employs ICP-OES and ICP-MS as an analytical tool.

Prof. Chris Douvris
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, *Separations*, 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 16 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).

Contact Us

Separations Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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