Special Issue

Adsorption Methods for Environmental Purification

Message from the Guest Editors

This Special Issue is dedicated to exploring recent advances in adsorption technologies for environmental purification. It aims to gather cutting-edge research on the development and optimization of adsorbent materials, including natural, synthetic, and nanostructured materials, as well as innovative adsorption processes and systems. Key objectives of this Special Issue include the following:

- Investigating novel adsorbents with enhanced capacity, selectivity, and regeneration properties;
- Exploring the application of adsorption for the removal of a wide range of contaminants from air, water, and soil;
- Advancing the understanding of adsorption mechanisms and kinetics;
- Highlighting the role of adsorption in integrated water and waste management systems;
- Promoting sustainability through the development of eco-friendly and low-cost adsorbents, such as agricultural waste-based materials or bioadsorbents.

We welcome original research articles, reviews, and case studies that address these topics, contributing to both the fundamental understanding and practical applications of adsorption in environmental purification.

Guest Editors

Prof. Dr. Souad El Hajjaji

Laboratory of Spectroscopy, Molecular Modelling, Materials, Nanomaterials, Water and Environment, Environmental Materials Team, Department of Chemistry, Faculty of Sciences, Mohammed V University in Rabat, Av. Ibn Battouta, Rabat B.P. 1014, Morocco

Prof. Dr. Najoua Labjar

Laboratory of Spectroscopy, Molecular Modelling, Materials, Nanomaterials, Water and Environment, Environmental Materials Team, ENSAM, Mohammed V University in Rabat, Avenue des Forces Armées Royales, Rabat B.P. 6207, Morocco

Deadline for manuscript submissions

10 February 2026



Separations

an Open Access Journal by MDPI

Impact Factor 2.7 CiteScore 4.5



mdpi.com/si/220760

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

mdpi.com/journal/

separations





Separations

an Open Access Journal by MDPI

Impact Factor 2.7 CiteScore 4.5



separations



About the Journal

Message from the Editor-in-Chief

Separations offers the scientific community a highquality, open-access journal option with rapid time-topublication without any sacrifice of a rigorous peerreview 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.

Editor-in-Chief

Prof. Dr. Frank L. Dorman Department of Chemistry, Dartmouth College, Hanover, NH 03755, USA

Author Benefits

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 16.3 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).

Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.