Special Issue

Environmental Functional Materials for Pollutant Separation and Remediation

Message from the Guest Editors

Due to the rapid development of technology and society, an abundance of new challenges are being faced in polluted water treatment processes, such as emerging pollutants (pharmaceuticals and personal care products (PPCPs), fluorochemicals, micro-nano plastics, etc.), complex components, and extreme environments (high-salinity), etc. Fortunately, the development of novel environmental functional materials for adsorption, coagulation, advanced oxidation, photo-catalysis, electrocatalysis, piezoelectric catalysis, membrane filtration, and bio-treatment technologies supply the potential methods to solve these challenges. Certainly, the modification of the corresponding treatment devices related to these novel functional materials will further accelerate problem solving. Consequently, this topic is established to comprehensively collect the latest studies about the modification and application of functional materials and their related devices for treatment of polluted or wastewater. In this way, the main and potential prospective design perspectives and modification methods for new and efficient wastewater treatment technology may be collated and shared.

Guest Editors

Dr. Kunlun Yang

Prof. Dr. Jian Mei

Dr. Feilong Zhang

Dr. Jingzhen Zhang

Deadline for manuscript submissions

10 July 2026

Separations

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 6.4

mdpi.com/si/259072

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 6.4

mdpi.com/journal/separations

MDPI

About the Journal

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.

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.

Journal Rank:

CiteScore - Q2 (Analytical Chemistry)

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).