# Special Issue

# Pollutant Removal and Nutrient/Energy Recovery from Wastewater

## Message from the Guest Editor

The focus of our Special Issue is to highlight cutting-edge research and developments in the field of environmental science, particularly concerning the latest methodologies and technologies employed in the adsorption and degradation of pollutants from wastewater, as well as the separation of nutrients and recovery of energy during wastewater treatment to reduce carbon emission and energy costs for a more sustainable water treatment industry. We welcome original research articles that address, but are not limited to, the following topics: The adsorptive, oxidative, reductive and membrane-separative removal of pollutants from wastewater; The separation and collection of nutrients from wastewater effluents; The recovery of high-value chemicals from wastewater effluents; The transformation of pollutants in wastewater into nutrients or useful chemicals; The production of energy during wastewater purification. Your contributions will undoubtedly enrich the scientific community's understanding and pave the way for innovative solutions to these pressing environmental challenges.

## Guest Editor

Dr. Hongwei Sun

Key Laboratory of Pesticide & Chemical Biology of Ministry of Education, Engineering Research Center of Photoenergy Utilization for Pollution Control and Carbon Reduction of Ministry of Education, College of Chemistry, Central China Normal University, Wuhan 430079, China

## Deadline for manuscript submissions

closed (31 August 2024)

**Separations**

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.5

mdpi.com/si/201854

*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

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.

**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.