# Special Issue

# Cutting-Edge Process Strategies for Eliminating Pharmaceutical Pollutants: Mechanistic Insights into Adsorption and Photoelectrocatalysis

## Message from the Guest Editors

Pharmaceutical pollutants have emerged as major environmental concerns due to their persistence, bioactivity, and potential toxicity. Antibiotics, analgesics, hormones, and psychiatric drugs are frequently detected in water bodies, posing threats to ecosystems and human health. Advanced remediation technologies, including photocatalysis, electrocatalysis, and photoelectrocatalysis, are necessary for eliminating pharmaceutical residues that conventional wastewater treatment plants cannot effectively remove. We invite contributions that cover a wide range of topics, including, but not limited to, the following:

- Novel adsorbent and photocatalyst materials for pharmaceutical pollutant removal;
- Synergistic effects between adsorption and photocatalysis;
- Kinetic and thermodynamic studies of pharmaceutical pollutant removal;
- Exploring the degradation and adsorption mechanisms of pharmaceutical contaminants;
- Sustainable and cost-effective approaches for environmental applications.

## Guest Editors

Dr. Abdelaziz Imgharn

Dr. Brahim Akhsassi

Dr. Redouane Haounati

## Deadline for manuscript submissions

30 December 2025

**Processes**

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/243157

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

mdpi.com/journal/processes

# Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/journal/processes

# About the Journal

## Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

## Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

## 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), Ei Compendex, Inspec, AGRIS, and other databases.

**Journal Rank:**

CiteScore - Q2 (Chemical Engineering (miscellaneous))