

Special Issue

Advanced Materials and Processes for Wastewater Treatment

Message from the Guest Editor

The energy and chemical industry is the foundation and pillar of social development, mainly including coal chemical industry, petrochemical industry, natural gas industry, etc. The advanced treatment and recycling of the high-salt organic wastewater generated in the production process are important factors limiting the sustainable development of the energy and chemical industry. This Special Issue is dedicated to the dissemination of high-quality papers that develop novel materials and treatment processes for the removal of inorganic ions and organics from high-salt organic wastewater, as well as new insights into the principles of pollutant transfer and transformation. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: -sustainable advanced functional materials; -wastewater treatment; -high-salt organic industrial wastewater; -inorganic ion separation and recovery; -organic pollutant control I look forward to receiving your contributions.

Guest Editor

Dr. Lu Xu

School of Human Settlements and Civil Engineering, Xi'an Jiaotong University, Xi'an 710049, China

Deadline for manuscript submissions

closed (20 June 2025)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 8.9



mdpi.com/si/211724

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

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 8.9



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)