

## 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

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### Deadline for manuscript submissions

closed (20 June 2025)



**Sustainability**

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### Editor-in-Chief

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