

Special Issue

Recent Advances in Coagulant Technologies and Applications for Wastewater Treatment

Message from the Guest Editors

Water—the cradle of life—now faces unprecedented pressures from rapid industrialization, urbanization, and climate change. As a cornerstone of modern wastewater treatment, coagulation technologies must evolve beyond conventional approaches to meet the rising demands for water quality, sustainability, and cost-effectiveness. This Special Issue seeks to compile high-quality contributions that address recent progress and emerging trends in the field. We invite original research articles, comprehensive reviews, and case studies covering, but not limited to, the following topics:

- Design and Characterization of Novel Coagulants
- Mechanisms and Kinetics of Coagulation–Flocculation
- Process Optimization and Scale-Up
- Coupling with Advanced Technologies
- Environmental and Economic Assessments
- Industrial and Municipal Applications

Through this Special Issue, we aim to provide a platform for researchers, engineers, and practitioners to disseminate recent scientific achievements and to foster the development of more sustainable, efficient, and adaptable wastewater treatment systems.

Guest Editors

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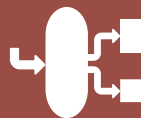
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