

Special Issue

Advances in Industrial Wastewater Treatment and Reclamation

Message from the Guest Editors

Nowadays, in most industries, the majority of water consumed is disposed of as industrial wastewater (IWW). Generally, the characteristics of IWW contain numerous inorganic and organic pollutants. It is, therefore, often inadequate to rely solely on biological treatment technologies for meeting stringent discharge standards of treated IWW. There are also alternative methods for treating recalcitrant organics, including advanced oxidation processes (AOPs) and separation processes. However, AOPs usually consume a large amount of energy and chemicals.

Thus, this special issue will focus on the novel technologies and integrated processes for IWW treatment towards resource reclamation. Research papers and reviews, not limited to, are welcome in the following areas:

- Industrial wastewater treatment systems
- Innovative and integrated technologies for IWW treatment
- Resource recovery and water reuse from IWW
- Advanced strategies for IWW management
- Proven case studies for treatment and reclamation of IWW
- Environmental and human health effects of IWW and their mitigation
- Bio-processes to produce platform chemicals from wastes
- Life-cycle assessment

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