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Recent Advances in Metals Removal/Recovery from Industrial Wastes

Guest Editor:

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Message from the Guest Editor

Heavy metals are raw materials employed in numerous industrial processes. Their demand in the modern world is increasing exponentially owing to their extensive use in electronics and other manufactured products. However, heavy metals are one of the major pollutants in the industrial waste waters. Therefore, metal removal from wastewater and metal recovery from readily available products are important and timely concern. Various methods have been developed to achieve heavy metal removal from wastewater, such as ion exchange, reverse osmosis, chemical precipitation, solvent extraction, and membrane processes. However, these methods are expensive, tedious, and cause secondary pollution, which limits their industrial application. Many scientific studies have been conducted for the recovery of metals from wastes including sludges, slags, fly ashes, shales, spent catalysts, and spent liquors; industrial-scale treatments units have also been developed recently.

We kindly invite researchers worldwide to showcase their research results (in forms of research article, reviews, and comments) on this topic.

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Message from the Editor-in-Chief

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