Short Communication

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Highly efficient one-step advanced treatment of biologically pretreated coking wastewater by an integration of coagulation and adsorption process

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Highlights

- The integrated process was tested for advanced coking wastewater treatment.
- Maximum COD and cyanide removals were 85.3% and 99.4%, respectively.
- This novel integrated process produced low-toxicity effluent.
- Bench, pilot, and industrial-scale tests proved the feasibility of this process.

Abstract

A novel integrated process of coagulation and adsorption was proposed for the advanced treatment of biologically pretreated coking wastewater. Results of laboratory, pilot, and industrial-scale experiments indicated that this one-step novel process can remove biorefractory pollutants, achieving the maximum chemical

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