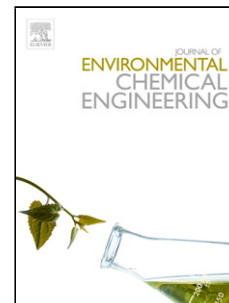


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Phenol Removal from Wastewater using Waste Products

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Abstract:

Phenols are very dangerous contaminants found in wastewater. Discharge of these compounds without treatment is highly serious risks to living organisms. The present study offers new effective immobilized peroxidase for phenol removal from wastewater. Nano peroxidase particles were prepared through immobilization of peroxidase enzyme extracted from onion dry scales (one of the wastes in food industry) on Silica nano particles prepared from rice straw (one of the most spread agriculture wastes). Immobilization improved the physiochemical properties of the

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