An Evaluation of Fish Scales as Potential Adsorbents: pH and Concentration Effect

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ABSTRACT
Experimental investigations on removal of lead contamination from polluted water by adsorption technique using local fish scales i.e. Tilapia and Merah (Oreochromos and Lutjanus). The fish scales adsorbent equilibrated nearly approaching 100% of Pb uptake over the range of concentrations and pH studied. Unexpectedly, the performance of fish scales as an adsorbent is better as compared to commercially available activated carbon.

KEYWORDS: Activated Carbon, Adsorbent, Adsorption Carbon, Fish Scales

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