Removal of Chromium Ions (III) from aqueous systems by cellolignine Sorbent

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Our research deals with the use of residual cellolignine (residual product from wood industry sorbent) as sorbent in removal of some heavy metal ions such as Cr3+. The cellolignine – heavy metal ion sorption system is described using Langmuir and Freundlich isotherm models. In order to process data it is necessary statistically design by linear regression.The experimental results allow concluding that cellolignine materials can be used into the depollution technologies, wastewater treatment for recycling or irrigation demand.