

Removal of Arsenic from Aqueous Solution using Activated Carbon Prepared from Pecan Shells

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Purpose of Study

The activated carbons prepared from pecan shells can be used to remove arsenic from water. Arsenic in aqueous systems poses a serious threat to public health. It finds its way to underground water through erosion of rocks, dissolution of minerals and ores.

Study Underway

The researcher will prepare 1-2 kg of activated carbons from pecan shells and study the adsorption capability of the carbon in aqueous arsenic systems. The cost and efficiency of the entire process will be compared to existing arsenic removal systems.

Benefits

If the technique employed in this study does remove arsenic from groundwater, it will provide a less expensive process than the currently used technologies.



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