## Removal of Uranium in Water System by Chitosan Beads

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The take-up effects of chitosan beads on uranium is compared through two systems(static system and flow system).

In the static system, the test water is confined in a vessel and some amount of beads and AC are cast into it in order to take up uranium for a certain time. And then the remained uranium in water is determined.

In the flow system, a certain amount of beads and the same amount of active carbon are packed in columns independently and test water is forced to pass through the columns so that beads or active carbon take up uranium and the remained uranium in effluent is determined.

This study suggests strongly that the chitosan beads are very useful to purification of water particularly underground water or natural water contaminated with radioactive substances.