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Type: POSTER

Treatment of low level radioactive waste containing ^{134}Cs radionuclide using modified natural clay

Safe treatment of radioactive waste containing Cs-134 is the aim of this work, it includes;

1. Introduction
2. Experimental
 - 2.1. Preparation of sorbent material
 - 2.2. Characterization of the prepared material
 - 2.3. Sorption experiments
 - 2.3.1. Effect of pH on the treatment process
 - 2.3.2. Effect of contact time and concentration
3. Results and Discussions
 - 3.1. Characterization of the prepared material
 - 3.2. Effect of pH on the treatment process
 - 3.3. Effect of contact time at different concentrations
 - 3.4. Equilibrium isotherm
 - 3.5. Comparison of sorption capacity of cesium onto different materials
4. Conclusion

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