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Title: Effectiveness of Sorbents for Reducing the Content of Nickel Cations in Water

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The presence of heavy metals in waters is a relatively frequent manifestation of their pollution. The big danger with these metal elements is the fact that they are already highly toxic at very low concentrations. The use of ion exchange and sorption is one of the possible methods of the removing metals from water. Considering the economic aspects of such a process, the possibilities of using easily available natural materials, including zeolites are being sought. Zeolites belong to hydrated aluminosilicates with a regular tetrahedral structure. The aim of the work was to study and compare the sorption properties of natural and synthetic zeolite. The experiments were related to the reduction of the content of nickel cations from model aqueous solutions.

Pandová Iveta: Effectiveness of Sorbents for Reducing the Content of Nickel Cations in Water, Advance in Thermal Processes and Energy Transformation, Volume 5, No.4, (2022), pp. 55-59, ISSN 2585-9102. <https://doi.org/10.54570/atpet2022/05/04/0055> **FULL TEXT**

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