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CADMIUM IONS ADSORPTION BEHAVIOR ONTO SHELLFISH FOSSIL

Atsuko Fukuyama, Zhanglian XU, Masaaki Kuzuhara, Susumu Yonezawa and Teruo Hori
University of Fukui, Japan

As a result of having examined cadmium ion adsorption using a shellfish fossil for the purpose of removing metal in the soil and metal ions, Ability for remarkable adsorption was recognized about a shellfish fossil. The similar findings are reported in the naturally derived inorganic matters such as oyster shell. However, there is hardly a study example about the detailed behavior of the ability for high adsorption. In this study, we made the adsorption isotherm from a water solution of cadmium about two kinds of shellfish fossils for the purpose of clarifying this. We make the mechanics of sorption of the shellfish fossil clear more and will study the practical development of this adsorption materials in future.

Biography

Dr Atsuko Fukuyama has completed her PhD in Environmental science by department of Earth and Environmental Sciences Graduate School of Natural Science and Technology Kanazawa University. She has worked as cooperation researcher of the oil contaminated soil by bioremediation at Kanazawa University. She has published more than 27 papers in journals and conference, and am working as a visiting associate professor at University of Fukui. The Society Prize, the Japanese Society of Geo-Pollution Science, Medical Geology and Urban Geology (2017).

atsukof@u-fukui.ac.jp