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## Adsorption of Copper and Cadmium Ions by Activated Carbon From Rice Hulls

Murat TEKER, Mustafa İMAMOĞLU  
Sakarya University, Department of  
Chemistry

54100 Serdivan, Sakarya-TURKEY  
Ömer SALTABAŞ

Yıldız Technical University, Department of  
Chemistry,  
80270, Şişli, İstanbul-TURKEY

 [Keywords](#)  
 [Authors](#)



[chem@tubitak.gov.tr](mailto:chem@tubitak.gov.tr)

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**Abstract:** The removal of copper (II) and cadmium (II) ions from aqueous solutions, by adsorption on activated carbon prepared from rice hulls (ACRH), was investigated depending on pH, activated carbon dosage, contact time, initial metal concentration and solution temperature. The optimum values of pH, ACRH dosage and contact time were determined to be 5-8, 0.5 g ACRH/25 mL solution and 60 minutes respectively for the adsorption of Cu (II) ions and 5-8, 1.5 g ACRH/25 mL solution and 60 minutes for the adsorption of Cd (II) ions. From the initial concentrations, the constants for the Freundlich and Langmuir isotherm were