

Isotherm Study for Phenol Removal onto GAC

Authors : Lallan Singh Yadav, Bijay Kumar Mishra, Manoj Kumar Mahapatra, Arvind Kumar

Abstract : Adsorption data for phenol removal onto granular activated carbon were fitted to Langmuir and Freundlich isotherms. The adsorption capacity of phenol was estimated to be 16.12 mg/g at initial pH=5.7. The thermodynamics of adsorption process has also been determined in the present work.

Keywords : adsorption, phenol, granular activated carbon, bioinformatics, biomedicine

Conference Title : ICBB 2014 : International Conference on Bioinformatics and Biomedicine

Conference Location : Istanbul, Turkey

Conference Dates : May 21-22, 2015