

Accepted Manuscript

Title: Adsorption of *p*-Cresol on Al₂O₃ coated multi-walled carbon nanotubes: Response surface methodology and isotherm study

Authors: Jalil Jaafari, Mohammad Ghanbari Ghozikali, Ali Azari, Mohammad Bagher Delkhosh, Allah Bakhsh Javid, Ali Akbar Mohammadi, Shilpi Agarwal, Vinod Kumar Gupta, Mika Sillanpää, Alexey G. Tkachev, Alexander E. Burakov



PII: S1226-086X(17)30467-7
DOI: <http://dx.doi.org/10.1016/j.jiec.2017.08.048>
Reference: JIEC 3597

To appear in:

Received date: 21-6-2017
Revised date: 24-7-2017
Accepted date: 26-8-2017

Please cite this article as: {<http://dx.doi.org/>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Adsorption of p-Cresol on Al₂O₃ coated Multi-walled carbon nanotubes: Response surface methodology and isotherm study

Jalil Jaafari^{1,2}, Mohammad Ghanbari Ghosikali³, Ali Azari⁴, Mohammad Bagher Delkhosh⁵, Allah Bakhsh Javid⁶, Ali Akbar mohammadi^{*7}, Shilpi Agarwal⁸, Vinod Kumar Gupta^{**8}, Mika Sillanpää^{9,10}, Alexey G. Tkachev¹¹ and Dr. Alexander E. Burakov¹¹

¹School of Health, Guilan University of Medical Sciences, Rasht, Iran

²Department of Environmental Health, School of Public Health, Tehran University of Medical Sciences, Tehran, Iran

³Department of Environmental Health, School of Public Health, Tabriz University of Medical Sciences, Tabriz, Iran

⁴Research Center for Environmental Determinants of Health, Kermanshah University of Medical Sciences, Kermanshah, Iran

⁵Department of Occupational Health Engineering, Neyshabur University of Medical Sciences, Neyshabur, Iran

⁶School of Public Health, Shahroud University of Medical Sciences, Shahroud, Iran

⁷Department of Environmental Health Engineering, Neyshabur University of Medical Sciences, Neyshabur, Iran

⁸Department of Applied Chemistry, University of Johannesburg, Johannesburg, South Africa

⁹ Laboratory of Green Chemistry, School of Engineering Science, Lappeenranta University of Technology, Sammonkatu 12, FI-50130, Mikkeli, Finland

¹⁰Department of Civil and Environmental Engineering, Florida International University, 10555, West Flagler Street, Miami, Florida 33174, USA

¹¹Tambov State Technical University, address: 106, Sovetskaya Str., Tambov, 392000, Russia

Jalil Jaafari: Environmental Health Engineering, Tehran University of Medical Sciences, Tehran, Iran, Email: Jalil.Jaafari@yahoo.com, Tel: +98 21 21 88 95 49 14, Fax: +98 21 2166 46 2

Download English Version:

<https://daneshyari.com/en/article/6667282>

Download Persian Version:

<https://daneshyari.com/article/6667282>

[Daneshyari.com](https://daneshyari.com)