## Accepted Manuscript

Microchannel-embedded Metal-Carbon-Polymer Nanocomposite as a Novel Support for Chitosan for Efficient Removal of Hexavalent Chromium from Water under Dynamic Conditions

Prateek Khare, Ashish Yadav, Janakranjan Ramkumar, Nishith Verma

PII: S1385-8947(16)30150-4

DOI: http://dx.doi.org/10.1016/j.cej.2016.02.049

Reference: CEJ 14782

To appear in: Chemical Engineering Journal

Received Date: 16 December 2015 Revised Date: 14 February 2016 Accepted Date: 15 February 2016



Please cite this article as: P. Khare, A. Yadav, J. Ramkumar, N. Verma, Microchannel-embedded Metal-Carbon-Polymer Nanocomposite as a Novel Support for Chitosan for Efficient Removal of Hexavalent Chromium from Water under Dynamic Conditions, *Chemical Engineering Journal* (2016), doi: http://dx.doi.org/10.1016/j.cej. 2016.02.049

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.

## **ACCEPTED MANUSCRIPT**

Microchannel-embedded Metal-Carbon-Polymer Nanocomposite as a Novel Support for Chitosan for Efficient Removal of Hexavalent Chromium from Water under Dynamic Conditions

Prateek Khare<sup>1</sup>, Ashish Yadav<sup>1</sup>, Janakranjan Ramkumar<sup>2</sup>, Nishith Verma<sup>1,3</sup>

<sup>1</sup>Department of Chemical Engineering, Indian Institute of Technology Kanpur, India 208016

<sup>2</sup>Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur, India 208016

<sup>3</sup>Center for Environmental Science and Engineering, Indian Institute of Technology Kanpur, Kanpur, India 208016

\* Corresponding author: Prof. NishithVerma

Telephone: (91)-512-2596352/7704

Fax: (91) (512) 2590104

E-mail address: <a href="mailto:vermanishith@gmail.com">vermanishith@gmail.com</a>; <a href="mailto:nishith@iitk.ac.in">nishith@iitk.ac.in</a>

## Download English Version:

## https://daneshyari.com/en/article/6581942

Download Persian Version:

 $\underline{https://daneshyari.com/article/6581942}$ 

Daneshyari.com