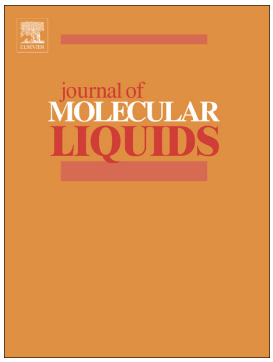
Accepted Manuscript



A review on halloysite-based adsorbents to remove pollutants in water and wastewater

Ioannis Anastopoulos, Alok Mittal, Muhammad Usman, Jyoti Mittal, Guanghui Yu, Avelino Núñez-Delgado, Michael Kornaros

PII: S0167-7322(18)33598-0
DOI: doi:10.1016/j.molliq.2018.08.104
Reference: MOLLIQ 9549

To appear in: *Journal of Molecular Liquids*

Received date: 12 July 2018
Revised date: 10 August 2018
Accepted date: 18 August 2018

Please cite this article as: Ioannis Anastopoulos, Alok Mittal, Muhammad Usman, Jyoti Mittal, Guanghui Yu, Avelino Núñez-Delgado, Michael Kornaros , A review on halloysite-based adsorbents to remove pollutants in water and wastewater. Molliq (2018), doi:10.1016/j.molliq.2018.08.104

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

A review on halloysite-based adsorbents to remove pollutants in water and wastewater

Ioannis Anastopoulos[a,1], Alok Mittal[b,2], Muhammad Usman[c,d,3], Jyoti Mittal[b,4], Guanghui Yu[e,5], Avelino Núñez-Delgado[f,6], Michael Kornaros[a,g 7]

[a]Laboratory of Biochemical Engineering & Environmental Technology (LBEET), Department of Chemical Engineering, University of Patras, 26504 Patras, Greece

[b] Department of Chemistry, Maulana Azad National Institute of Technology, Bhopal 462 003, India

[c]Environmental Mineralogy, Center for Applied Geosciences, University of Tubingen, 72074 Tubingen, Germany

[d]Institute of Soil and Environmental Sciences, University of Agriculture, Faisalabad 38040, Pakistan

[e]Institute of Surface-Earth System Science, Tianjin University, Tianjin 300072, China

[f] Dept. Soil Sci. and Agric. Chem., Engineering Polytech. School, Univ. Santiago de Compostela, 27002 Lugo, Spain

[g] INVALOR: Research Infrastructure for Waste Valorization and Sustainable Management, 1 Karatheodori Str., University Campus, 26504, Patras, Greece

1 Corresponding author: E-mail: anastopoulos_ioannis@windowslive.com

2 Corresponding author: E-mail:aljymittal@gmail.com

3 Corresponding author: E-mail:muhammad.usman@uaf.edu.pk

4 Corresponding author: E-mail: jyalmittal@yahoo.co.in

5 Corresponding author: E-mail:yuguanghui@njau.edu.cn

6 Corresponding author: E-mail: avelino.nunez@usc.es

7 Corresponding author: E-mail: kornaros@chemeng.upatras.gr

Download English Version:

https://daneshyari.com/en/article/11006573

Download Persian Version:

https://daneshyari.com/article/11006573

Daneshyari.com