

Accepted Manuscript

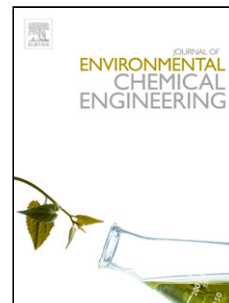
Title: Magnetic activated carbon loaded with tungsten oxide nanoparticles for aluminum removal from waters

Authors: Tawfik A. Saleh, Mustafa Tuzen, Ahmet Sari

PII: S2213-3437(17)30229-4

DOI: <http://dx.doi.org/doi:10.1016/j.jece.2017.05.038>

Reference: JECE 1641



To appear in:

Received date: 23-1-2017

Revised date: 24-5-2017

Accepted date: 25-5-2017

Please cite this article as: Tawfik A.Saleh, Mustafa Tuzen, Ahmet Sari, Magnetic activated carbon loaded with tungsten oxide nanoparticles for aluminum removal from waters, Journal of Environmental Chemical Engineering <http://dx.doi.org/10.1016/j.jece.2017.05.038>

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Magnetic activated carbon loaded with tungsten oxide nanoparticles for aluminum removal from waters

Tawfik A. Saleh ^{a*}, Mustafa Tuzen ^{b,c}, Ahmet Sari ^{d,e}

^aDepartment of Chemistry, King Fahd University of Petroleum and Mineral, Dhahran, 31261, Saudi Arabia

^bGaziosmanpasa University, Faculty of Science and Arts, Chemistry Department, 60250 Tokat, Turkey

^cKing Fahd University of Petroleum and Minerals, Research Institute, Center for Environment and Water, Dhahran, 31261 Saudi Arabia

^dDepartment of Metallurgical and Material Engineering, Karadeniz Technical University, 61080, Trabzon, Turkey

^eKing Fahd University of Petroleum and Minerals, Centers of Research Excellence, Renewable Energy Research Institute, Dhahran, 31261 Saudi Arabia

**Corresponding author*

E-mail address: tawfik@kfupm.edu.sa ; tawfikas@hotmail.com

Home Page: <http://faculty.kfupm.edu.sa/CHEM/tawfik/>

Highlights

- Magnetic activated carbon was modified by tungsten oxide nanoparticles
- The composite showed high efficiency for aluminum sorption from aqueous solution
- The composite showed thermal stability, excellent recovery and reusability

Abstract

Magnetic activated carbon/tungsten nanocomposite (AC/Fe/W) was prepared as an environmentally friendly cost-effective adsorbent. Its chemical, morphological, thermal degradation and surface properties were characterized by Fourier transform infrared

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