

# Accepted Manuscript

Short communication

Efficient recovery of nitrate and phosphate from wastewater by an amine-grafted adsorbent for cyanobacterial biomass production

Jungmin Kim, Min-Jin Hwang, Sang-Jun Lee, Won Noh, Jung Min Kwon, Jin Soo Choi, Chang-Min Kang

PII: S0960-8524(16)30031-1

DOI: <http://dx.doi.org/10.1016/j.biortech.2016.01.055>

Reference: BITE 15966

To appear in: *Bioresource Technology*

Received Date: 14 December 2015

Revised Date: 13 January 2016

Accepted Date: 14 January 2016

Please cite this article as: Kim, J., Hwang, M-J., Lee, S-J., Noh, W., Kwon, J.M., Choi, J.S., Kang, C-M., Efficient recovery of nitrate and phosphate from wastewater by an amine-grafted adsorbent for cyanobacterial biomass production, *Bioresource Technology* (2016), doi: <http://dx.doi.org/10.1016/j.biortech.2016.01.055>

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.



**Efficient recovery of nitrate and phosphate from wastewater by an amine-grafted adsorbent for cyanobacterial biomass production**

Jungmin Kim<sup>a, b</sup>, Min-Jin Hwang<sup>a</sup>, Sang-Jun Lee<sup>a</sup>, Won Noh<sup>a</sup>, Jung Min Kwon<sup>c</sup>, Jin Soo Choi<sup>a</sup> and Chang-Min Kang<sup>a, \*</sup>

<sup>a</sup>Future Environmental Research Center, Korea Institute of Toxicology, Jinju, 52834, Republic of Korea

<sup>b</sup>Human and Environmental Toxicology Program, Korea University of Science and Technology, Daejeon, 34113, Republic of Korea

<sup>c</sup>HK Biotech. Co., Ltd, Jinju, 52840, Republic of Korea

**\*Corresponding author:**

Chang-Min Kang, Tel.: +82-55-750-3700; Fax: +82-55-750-3709.

E-mail: cmkang@kitox.re.kr

Download English Version:

<https://daneshyari.com/en/article/679286>

Download Persian Version:

<https://daneshyari.com/article/679286>

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