

## Accepted Manuscript

Effects of superabsorbent polymers on the abundances of antibiotic resistance genes, mobile genetic elements, and the bacterial community during swine manure composting

Aiyun Guo, Jie Gu, Xiaojuan Wang, Ranran Zhang, Yanan Yin, Wei Sun, Xiaxia Tuo, Li Zhang

PII: S0960-8524(17)31321-4  
DOI: <http://dx.doi.org/10.1016/j.biortech.2017.08.016>  
Reference: BITE 18625

To appear in: *Bioresource Technology*

Received Date: 26 June 2017  
Revised Date: 29 July 2017  
Accepted Date: 4 August 2017

Please cite this article as: Guo, A., Gu, J., Wang, X., Zhang, R., Yin, Y., Sun, W., Tuo, X., Zhang, L., Effects of superabsorbent polymers on the abundances of antibiotic resistance genes, mobile genetic elements, and the bacterial community during swine manure composting, *Bioresource Technology* (2017), doi: <http://dx.doi.org/10.1016/j.biortech.2017.08.016>

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.



**Title Page****Title:**

Effects of superabsorbent polymers on the abundances of antibiotic resistance genes, mobile genetic elements, and the bacterial community during swine manure composting

**Authors:**

Aiyun Guo<sup>1</sup>, Jie Gu<sup>1,2\*</sup>, Xiaojuan Wang<sup>1</sup>, Ranran Zhang<sup>1</sup>, Yanan Yin<sup>1</sup>, Wei Sun<sup>1</sup>, Xiaxia Tuo<sup>1</sup>, and Li Zhang<sup>1</sup>

**Affiliations and addresses:**

1. College of Natural Resources and Environment, Northwest A&F University, Yangling, Shaanxi 712100, China
2. Research Center of Recycle Agricultural Engineering and Technology of Shaanxi Province, Northwest A&F University, Yangling, Shaanxi 712100, China

**Corresponding Author:** Jie Gu

Email: gujie205@sina.com

Tel: 86-029-87081265

Fax: 86-029-87081265

Address: College of Natural Resources and Environment, Northwest A&F University, Yangling, Shaanxi 712100, China

Download English Version:

<https://daneshyari.com/en/article/4996603>

Download Persian Version:

<https://daneshyari.com/article/4996603>

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