

Accepted Manuscript

A comparative study of composting the solid fraction of dairy manure with or without bulking material: performance and microbial community dynamics

Xiao-Zhong Zhong, Shi-Chun Ma, Shi-Peng Wang, Ting-Ting Wang, Zhao-Yong Sun, Yue-Qin Tang, Yu Deng, Kenji Kida

PII: S0960-8524(17)31681-4

DOI: <https://doi.org/10.1016/j.biortech.2017.09.116>

Reference: BITE 18944

To appear in: *Bioresource Technology*

Received Date: 6 July 2017

Revised Date: 10 September 2017

Accepted Date: 15 September 2017

Please cite this article as: Zhong, X-Z., Ma, S-C., Wang, S-P., Wang, T-T., Sun, Z-Y., Tang, Y-Q., Deng, Y., Kida, K., A comparative study of composting the solid fraction of dairy manure with or without bulking material: performance and microbial community dynamics, *Bioresource Technology* (2017), doi: <https://doi.org/10.1016/j.biortech.2017.09.116>

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.



A comparative study of composting the solid fraction of dairy manure with or without bulking material: performance and microbial community dynamics

Authors: Xiao-Zhong Zhong^{1,#}, Shi-Chun Ma^{2,3,#}, Shi-Peng Wang¹, Ting-Ting Wang,
Zhao-Yong Sun^{1,*}, Yue-Qin Tang¹, Yu Deng^{2,3}, Kenji Kida¹

¹ College of Architecture and Environment, Sichuan University, No.24 South Section 1,
First Ring Road, Chengdu, 610065, China

² Biogas Institute of Ministry of Agriculture, Ministry of Agriculture, No.13 Section 4,
Renmin Road South, Chengdu, 610041, China

³ Key Laboratory of Development and Application of Rural Renewable Energy,
Ministry of Agriculture, No.13 Section 4, Renmin Road South, Chengdu, 610041, China

[#]These authors contributed equally to this work.

*Corresponding author:

Zhao-Yong Sun

Tel: +86-28-8599-0936

Fax: +86-28-8599-0936

E-mail: szy@scu.edu.cn

Download English Version:

<https://daneshyari.com/en/article/7069577>

Download Persian Version:

<https://daneshyari.com/article/7069577>

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