## Accepted Manuscript

Study on ammonium and organics removal combined with electricity generation in a continuous flow microbial fuel cell

Shuxin Liu, Lan Li, Huiqiang Li, Hui Wang, Ping Yang

PII: S0960-8524(17)31184-7

DOI: http://dx.doi.org/10.1016/j.biortech.2017.07.071

Reference: BITE 18491

To appear in: Bioresource Technology

Received Date: 14 April 2017 Revised Date: 12 July 2017 Accepted Date: 13 July 2017



Please cite this article as: Liu, S., Li, L., Li, H., Wang, H., Yang, P., Study on ammonium and organics removal combined with electricity generation in a continuous flow microbial fuel cell, *Bioresource Technology* (2017), doi: http://dx.doi.org/10.1016/j.biortech.2017.07.071

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**

Study on ammonium and organics removal combined with electricity generation in

a continuous flow microbial fuel cell

Shuxin Liu, Lan Li, Huiqiang Li, Hui Wang, Ping Yang\*`

College of Architecture and Environment, Sichuan University, Chengdu, 610065,

China

**Abbreviations:** AFB, anaerobic fluidized bed; COD, chemical oxygen demand; PEM, proton exchange membrane; TN, total nitrogen; DO, dissolve oxygen; SND, simultaneous nitrification and denitrification; HRT, hydraulic retention time;  $S_1$ , sample 1;  $S_2$ , sample 2; VFAs, volatile fatty acids.

\* Corresponding author.

Tel.: +86 18982194508 (China)

E-mail address: m18602804508@163.com (Ping Yang)

Address: College of Architecture and Environment, Sichuan University, Chengdu,

610065, China

## Download English Version:

## https://daneshyari.com/en/article/4996925

Download Persian Version:

https://daneshyari.com/article/4996925

<u>Daneshyari.com</u>