

Accepted Manuscript

A Self-Sustaining High-Strength Wastewater Treatment System using Solar-Bio-Hybrid Power Generation

Mauricio Bustamante, Wei Liao

PII: S0960-8524(17)30335-8
DOI: <http://dx.doi.org/10.1016/j.biortech.2017.03.065>
Reference: BITE 17769

To appear in: *Bioresource Technology*

Received Date: 15 December 2016
Revised Date: 6 March 2017
Accepted Date: 8 March 2017



Please cite this article as: Bustamante, M., Liao, W., A Self-Sustaining High-Strength Wastewater Treatment System using Solar-Bio-Hybrid Power Generation, *Bioresource Technology* (2017), doi: <http://dx.doi.org/10.1016/j.biortech.2017.03.065>

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 Self-Sustaining High-Strength Wastewater Treatment System using Solar-Bio-Hybrid Power Generation

Mauricio Bustamante^{1,2}, Wei Liao^{1*}

1. Anaerobic Digestion Research and Education Center, Biosystems and Agricultural Engineering, Michigan State University, East Lansing, MI, U.S.A.
2. School of Biosystems Engineering, University of Costa Rica, San Jose, Costa Rica

*: Corresponding author:

Dr. Wei Liao

Department of Biosystems & Agricultural Engineering

Michigan State University

524 S. Shaw Ln. Room 202

East Lansing, MI 48824-1323

Tel: 517-432-7205

Fax: 517-432-2892

E-mail: liaow@msu.edu

Abstract

This study focuses on system analysis of a self-sustaining high-strength wastewater treatment concept combining solar technologies, anaerobic digestion, and aerobic treatment to reclaim water. A solar bio-hybrid power generation unit was adopted to power the wastewater

Download English Version:

<https://daneshyari.com/en/article/4997316>

Download Persian Version:

<https://daneshyari.com/article/4997316>

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