

Journal of Sustainable Bioenergy Systems



Journal Editorial Board

ISSN Print: 2165-400X ISSN Online: 2165-4018 http://www.scirp.org/journal/jsbs

Editor-in-Chief

Dr. Lijun Wang North Carolina Agricultural and Technical State University, USA

Editorial Board

Prof. Kalyan Annamalai	Texas A&M University, USA	
Dr. Yasar Demirel	University of Nebraska Lincoln, USA	
Prof. Zhen Fang	Chinese Academy of Sciences, China	
Dr. Gal Hochman	Rutgers, The State University of New Jersey, USA	
Dr. A. K. M. Aminul Islam	Bangabandhu Sheikh Mujibur Rahman Agricultural	
	University, Bangladesh	
Dr. Mingjie Jin	Michigan State University, USA	
Dr. Arjun KC	Ministry of Energy, Government of Alberta, Canada	
Prof. Ramesh Chander Kuhad	University of Delhi South Campus, India	
Dr. Ajay Kumar	Oklahoma State University, USA	
Dr. Matthew Langholtz	Oak Ridge National Laboratory, USA	
Dr. Hanwu Lei	Washington State University, USA	
Dr. Krishna Gopal Mandal	Indian Council of Agricultural Research, India	
Dr. Andrea Monti	University of Bologna, Italy	
Dr. Ganti S. Murthy	Oregon State University, USA	
Dr. Anastasia Zabaniotou	Aristotle University of Thessaloniki, Greece	
Dr. Jun Zhang	Department of Industrial and Manufacturing Engineering North	
	Dakota State University, USA	
Dr. Bingyu Zhao	Virginia Polytechnic Institute and State University, USA	



Table of Contents

Volume 4	Number 3	September 2014
Numerical Ar	nalysis on Wood Pyrolysis in Pre-Vacuum Chamber	
Hiroki Homr	na, Hiroomi Homma and Muhammad Idris	
•	of Stem Damage and Carbohydrate Composition in the Stem Juice bet nd Sweet Sorghum Harvested before and after Late Fall Frost	ween
•	M. Cole, B. Tonnis, D. Pinnow, Z. G. Xin, J. Davis, YC. Hung,	
J. M. Yu, G. /	A. Pederson, G. Eggleston	161
The Propertie	es and Suitability of Various Biomass/Coal Blends for Co-Gasification I	Purposes
S. Gaqa, S. N	Mamphweli, D. Katwire, E. Meyer	
•	ain Length of Saturated Fatty Acids during geneously Catalyzed Deoxygenation	
S. Mohite, U	J. Armbruster, M. Richter, A. Martin	
Can Biochar (Couple with Algae to Deal with Desertification?	
X. Meng, W	/. Yuan	194

Journal of Sustainable Bioenergy Systems (JSBS)

Journal Information

SUBSCRIPTIONS

The *Journal of Sustainable Bioenergy Systems* (Online at Scientific Research Publishing, <u>www.SciRP.org</u>) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 per issue. To subscribe, please contact Journals Subscriptions Department, E-mail: <u>sub@scirp.org</u>

SERVICES

Advertisements Advertisement Sales Department, E-mail: <u>service@scirp.org</u>

Reprints (minimum quantity 100 copies) Reprints Co-ordinator, Scientific Research Publishing, Inc., USA. E-mail: <u>sub@scirp.org</u>

COPYRIGHT

COPYRIGHT AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:

Copyright © 2014 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY). http://creativecommons.org/licenses/by/4.0/

COPYRIGHT FOR INDIVIDUAL PAPERS OF THE JOURNAL:

Copyright © 2014 by author(s) and Scientific Research Publishing Inc.

REUSE RIGHTS FOR INDIVIDUAL PAPERS:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

DISCLAIMER OF LIABILITY

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact: E-mail: jsbs@scirp.org





<u>Call for Papers</u>

Journal of Sustainable Bioenergy Systems

ISSN Print: 2165-400X ISSN Online: 2165-4018 http://www.scirp.org/journal/jsbs

Journal of Sustainable Bioenergy Systems (JSBS) is an international journal dedicated to the latest advancement of Sustainable Bioenergy Systems. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of Sustainable Bioenergy Systems. All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

- Genetic engineering for the development of energy crops
- Modern computational tools for the bioenergy production systems
- Novel breeding and cropping technologies for the production of energy crops
- Sustainable availability and supply logistics of organic residues
- Sustainable bioenergy processing technologies
- Sustainable biomass production and supply logistics of energy crops
- Sustainable biorefinery systems

We are also interested in: 1) Short Reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book Reviews—Comments and critiques.

Website and E-Mail

http://www.scirp.org/journal/jsbs

E-mail: jsbs@scirp.org

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

rt and D.

Advances in

dvances in Biologica

Entomolog

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost

Engineering

Guaranteed targeted, multidisciplinary audience



Website: http://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org