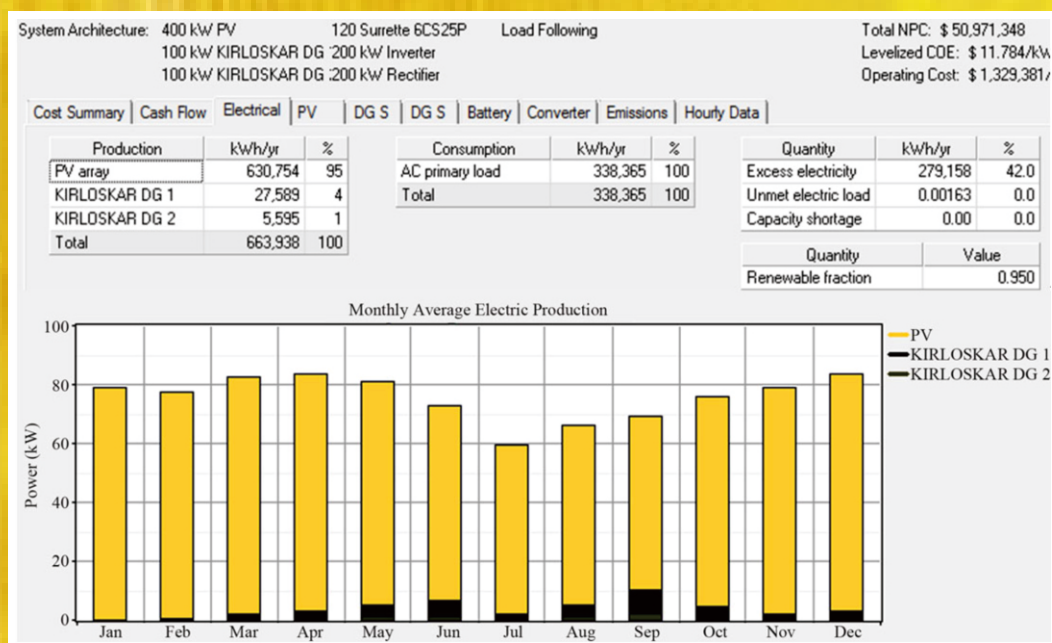




# Low Carbon Economy



ISSN: 2158-7000



# Journal Editorial Board

ISSN: 2158-7000 (Print) ISSN: 2158-7019 (Online)

<http://www.scirp.org/journal/lce>

---

## Editor-in-Chief

**Prof. Angel Irabien** University of Cantabria, Spain

## Editorial Board

<b>Dr. Wojciech M. Budzianowski</b>	Wroclaw University of Technology, Poland
<b>Dr. Guoqian Chen</b>	Peking University, China
<b>Dr. Julien Chevallier</b>	Paris Dauphine University, France
<b>Dr. Michael Dale</b>	Stanford University, USA
<b>Dr. Athanasios Dagoumas</b>	University of Cambridge, UK
<b>Dr. Michael Dale</b>	Stanford University, USA
<b>Dr. Joshua S. Fu</b>	University of Tennessee, USA
<b>Dr. Yosef Jabareen</b>	Technion – Israel Institute of Technology, Israel
<b>Dr. Won-Joon Kim</b>	Korea Advanced Institute of Science and Technology, Korea (South)
<b>Dr. Shun-Chung Lee</b>	National Cheng Kung University, Chinese Taipei
<b>Dr. Junfeng Liu</b>	Princeton University, USA
<b>Prof. Hans Schnitzer</b>	Graz University of Technology, Austria
<b>Prof. Yundong Wang</b>	Tsinghua University, China
<b>Prof. Yiming Wei</b>	Beijing Institute of Technology, China
<b>Dr. Harold L. Wilhite</b>	University of Oslo, Norway
<b>Dr. Tamim Younos</b>	The Cabell Brand Center for Global Poverty and Resource Sustainability Studies, USA

## TABLE OF CONTENTS

**Volume 3    Number 3**

**September 2012**

**International Technology Spillover, Energy Consumption and CO<sub>2</sub> Emissions in China**

R. H. Lei, Y. B. Zhang, S. C. Wei.....49

**Dieselization and Road Transport CO<sub>2</sub> Emissions: Evidence from Europe**

A. C. Marques, J. A. Fuinhas, B. M. Gonçalves.....54

**Adaptive Co-Channel Interference Suppression Technique for Multiuser MIMO**

**Feasibility Study of 1 MW Standalone Hybrid Energy System: For Technical Institutes**

P. Nema, S. Dutta.....63

---

The figure on the front cover is from the article published in *Low Carbon Economy*, 2012, Vol. 3, No. 3, pp. 63-68 by Pragma Nema and Sayan Dutta.

# **Low Carbon Economy**

## **Journal Information**

### **SUBSCRIPTIONS**

*Low Carbon Economy* (Online at Scientific Research Publishing, [www.SciRP.org](http://www.SciRP.org)) is published quarterly by Scientific Research Publishing, Inc., USA.

#### **Subscription rates:**

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: [sub@scirp.org](mailto:sub@scirp.org)

### **SERVICES**

#### **Advertisements**

Advertisement Sales Department, E-mail: [service@scirp.org](mailto:service@scirp.org)

#### **Reprints (minimum quantity 100 copies)**

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: [sub@scirp.org](mailto:sub@scirp.org)

### **COPYRIGHT**

Copyright©2012 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

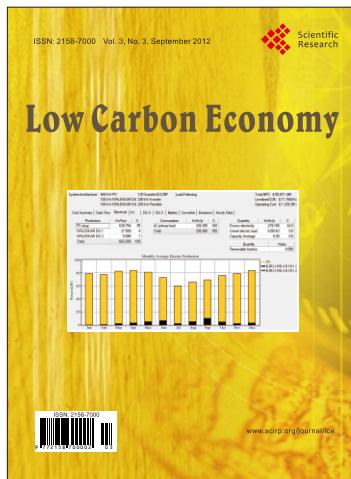
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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: [lce@scirp.org](mailto:lce@scirp.org)



# Low Carbon Economy

ISSN: 2158-7000 (Print) ISSN: 2158-7019 (Online)

<http://www.scirp.org/journal/lce>

**Low Carbon Economy (LCE)** is a peer reviewed international journal dedicated to the latest advancement of low carbon economy. The goal of this journal is to keep a record of the state-of-the-art research and to promote study, research and improvement within its various specialties.

## Editor-in-Chief

**Prof. Angel Irabien**

University of Cantabria, Spain

## Editorial Board

Dr. Wojciech M. Budzianowski  
Dr. Guoqian Chen  
Dr. Julien Chevallier  
Dr. Athanasios Dagoumas  
Dr. Michael Dale  
Dr. Joshua S. Fu

Dr. Yosef Jabareen  
Dr. Won-Joon Kim  
Dr. Shun-Chung Lee  
Dr. Junfeng Liu  
Prof. Hans Schnitzer  
Prof. Yundong Wang

Prof. Yiming Wei  
Dr. Harold L. Wilhite  
Dr. Tamim Younos

## Subject Coverage

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:

- Avoiding Dangerous Climate Change
- Carbon Financing and Markets
- Carbon Neutrality
- Carbon Process Management
- Carbon Taxation
- Clean Development Mechanism, Joint Implementation
- Climate Change
- Coal Phase Out
- Corporate Low Carbon Strategies
- Ecological Consumer Behaviour
- Ecological Reforms
- Electric Vehicle
- Emission Standard
- Emissions Trading
- Energy Consumption
- Energy Management
- Energy Neutral Design
- Energy Policy
- Energy Production
- Environmental and Clean Technologies
- Environmental Economics
- Fossil Fuels Resources and Consumption, Markets and Policies
- Green Economy and Sustainable Development
- Industrial Revolution
- Low Carbon Building
- Low Carbon Communities
- Low Carbon Diet
- Low Carbon Emission
- Low Carbon Fuel Standard
- Low Carbon Public Policies at Different Scales, from Local to International
- Mobile Emission Reduction Credit (MERC)
- Petroleum Phase Out
- Renewable-Energy Economy
- Renewable Heat
- Sustainable Development
- Vegetable Oil Economy
- World Energy Resources and Consumption

LCE publishes different types of papers: applied research articles are original academic contributions analysing a specific topic or issue and discussing the policy implications; case-studies discuss an in-depth investigation of a firm(s) or country(ies) initiative; surveys, which present the state-of-the-art of the literature on a specific topic or issue; short position papers, which are mostly related to very specific policy issues. we also publish Special Issues on specific topics.

## Notes for Intending Authors

Your paper should not have been previously published or be currently under consideration for publication any place else. Submit your paper electronically through the LCE online system. All papers are subject to peer review. After your paper has been accepted, you must sign a copyright transfer agreement with LCE. Papers accepted for publication will be available free online. A fee will be charged to cover the publication cost. Manuscripts must be written in English.

## Website and E-Mail

<http://www.scirp.org/journal/lce>

E-mail: [lce@scirp.org](mailto:lce@scirp.org)