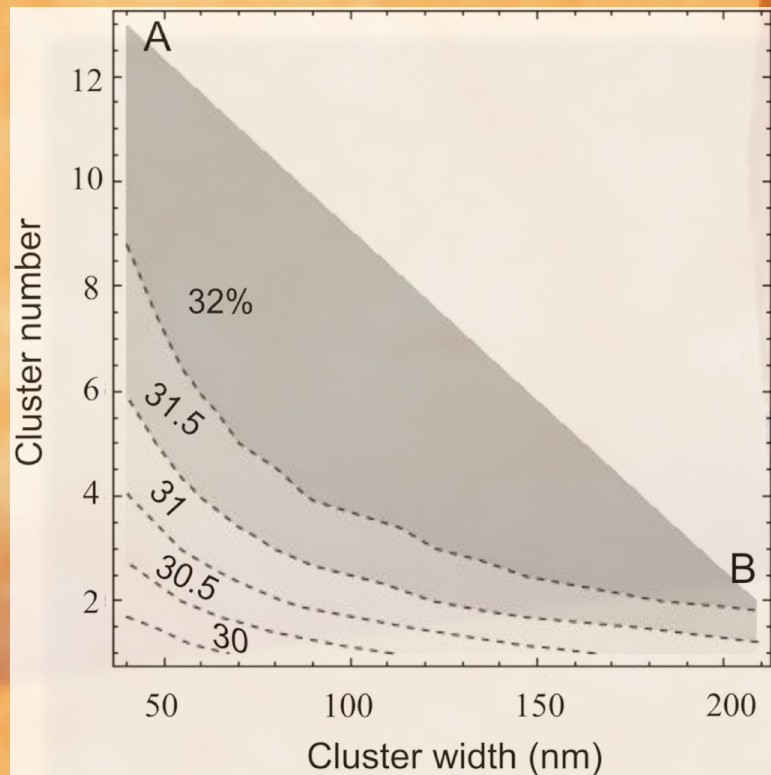




Natural Resources



Journal Editorial Board

ISSN: 2158-706X (Print) ISSN: 2158-7086 (Online)
<http://www.scirp.org/journal/nr>

Editor-in-Chief

Prof. Alevtina Smirnova Eastern Connecticut State University, USA

Editorial Board

Dr. Jan Franklin Adamowski McGill University, Canada
Prof. Rubén Ortega Álvarez North American Bird Conservation Initiative-Mexico
(NABCI-Mexico), Mexico
Prof. Mirta Ines Aranguren Universidad Nacional de Mar del Plata, Argentina
Prof. Hefa Cheng Chinese Academy of Sciences, China
Dr. Joaquín Goyret Lund University, Sweden
Prof. Mohammad N. A. Hawlader International Islamic University Malaysia, Malaysia
Prof. Ke Chung Kim Pennsylvania State University, USA
Prof. Qi Li National Institute of Advanced Industrial Science
and Technology, Japan
Dr. Baosheng Liang Chevron Energy Technology Company, USA
Dr. Inmaculada Martínez-Zarzoso University Jaume I, Germany
Dr. Sunil Nautiyal Institute for Social and Economic Change, India
Dr. Antonio Nieto The Pennsylvania State University, USA
Dr. Krishna P. Paudel Louisiana State University, USA
Prof. Pei-Yuan Qian Hong Kong University of Science and Technology, China
Dr. Mujib ur Rehman Institute of Development Studies (IDS), Canada
Prof. Santosh Kumar Sarkar University of Calcutta, India
Prof. Miklas Scholz The University of Salford, UK
Dr. Wattasit Siriwong Chulalongkorn University, Thailand
Prof. Yzel Rondon Suárez State University of Mato Grosso do Sul, Brazil
Dr. Wenjie Sun University of Arizona, USA
Dr. Ierotheos Zacharias University of Ioannina, Greece
Prof. Xinrong Zhang Peking University, China
Dr. Hongying Zhao DBR Technology Center, Schlumberger, Canada
Dr. Julian Youxiang Zuo DBR Technology Center, Schlumberger, Canada

TABLE OF CONTENTS

Volume 4 Number 3

July 2013

Biological Activity of *Spartium junceum* L. (Fabaceae) Aromatic Water

T. Cerchiara, G. Blaiotta, V. S. Straface, E. Belsito, A. Liguori, B. Luppi, F. Bigucci, G. Chidichimo.....229

Modeling Multiple Quantum Well and Superlattice Solar Cells

C. I. Cabrera, J. C. Rimada, M. Courel, L. Hernandez, J. P. Connolly, A. Enciso, D. A. Contreras-Solorio.....235

The Effects of Microwave Pretreatment of Dairy Manure on Methane Production

I. Chan, A. Srinivasan, P. H. Liao, K. V. Lo, D. S. Mavinic, J. Atwater, J. R. Thompson.....246

Nature-Resource Potential of the Carpathian Region of Ukraine and Specificities of Its Use by Farming Enterprises

V. Rudenko, M. Zayachyk, M. Palamaryuk.....257

Photovoltaic Prickle Pear Harvesting Tool

F. Hahn.....263

Climate Change, Adaptive Strategies and Rural Livelihoods in Semiarid Tanzania

R. Y. M. Kangalawe, J. G. Lyimo.....266

Estimation of Diffuse Solar Radiation in Area between 5°N and 10°N of Cameroon

T. Lealea, R. Tchinda.....279

Water Desalination Using a Humidification-Dehumidification Technique—A Detailed Review

A. E. Kabeel, M. H. Hamed, Z. M. Omara, S. W. Sharshir.....286

The figure on the front cover is from the article published in Natural Resources, 2013, Vol. 4, No. 3, pp. 235-245 by Carlos I. Cabrera, *et al.*

Natural Resources (NR)

Journal Information

SUBSCRIPTIONS

Natural Resources (Online at Scientific Research Publishing, www.SciRP.org) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$59 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

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

E-mail: sub@scirp.org

COPYRIGHT

Copyright©2013 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.

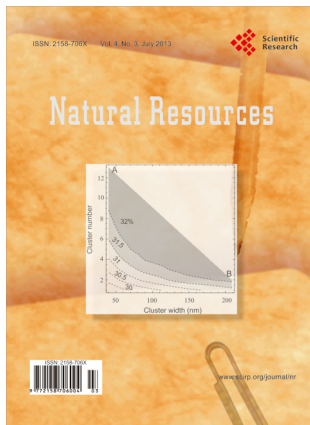
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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: nr@scirp.org



Natural Resources

ISSN 2158-706X (Print) ISSN 2158-7086 (Online)

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

Natural Resources (NR) is an international journal dedicated to the latest advancement of natural resources throughout the world. The goal of this journal is to provide a platform for scientists, students, academics and engineers all over the world to promote, share, and discuss various new issues and developments in different areas of natural resources.

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:

- Agricultural Resources
- Anthropological Resources
- Aquatic Resource Science
- Biological Control
- Biological Resources
- Chemical Prospects (Natural Chemical Resources)
- Chinese Medicine Resources
- Climate Resources
- Depletion of Natural Resources
- Earth's Natural Resources
- Ecological Interactions and Ecosystem Balance (Pollination, Herbivory, Parasitism)
- Exotic Species
- Forest Resources
- Land Natural Resources
- Marine Resources
- Poor and Abound in Natural Resources
- Renewable and Non-Renewable Natural Resources
- Resource Allocation
- Resource Economics
- Resource Security
- Resource Strategy
- Resource Survey
- Resources Exploit
- Resources Policies
- Resources Science
- Resources Trading
- Save Natural Resources
- Sustainable Utilization and Conservation of Ecosystem Services
- Tax on Natural Resources
- Undeveloped Natural Resources
- Water Natural Resources
- Water Resources Protection
- Others

We are also interested in: 1) Short Reports—2 to 5 pages where the paper is intended to present either an original idea with theoretical treatment or preliminary data and results; 2) Book Reviews—Comments and critiques of recently published books in agricultural sciences.

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 NR online system. All papers are subject to peer review. After your paper has been accepted, you must sign a copyright transfer agreement with NR. 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/nr>

E-mail: nr@scirp.org