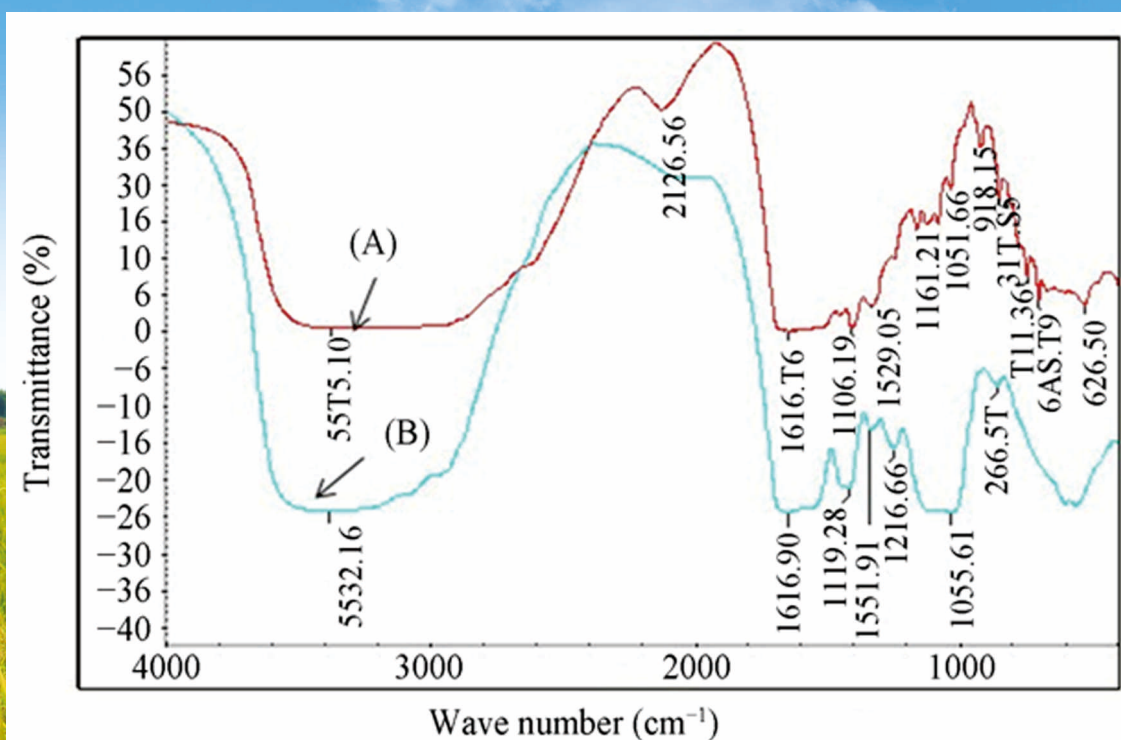
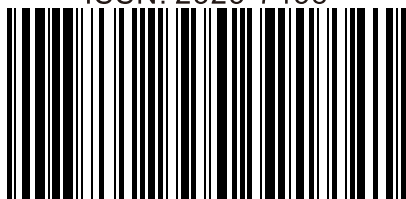




# Journal of Agricultural Chemistry and Environment



ISSN: 2325-7458



977232574580301B

# **2014 Agricultural Science and Food Engineering Conference (ASFE 2014)**

## **Technical Program Committee**

---

**Prof. Kadarkarai Murugan**

Bharathiar University, India

**Prof. Jagat R. Kanwar**

Deakin University, Australia

**Dr. Daniel Cozzolino**

The University of Adelaide, Australia

**Dr. Uma Devi Palanisamy**

Monash University Sunway Campus, Australia

**Dr. Dalia El Khoury**

University of Toronto, Canada

**Prof. Saied Mostaghimi**

Virginia Polytechnic Institute and State University, USA

**Dr. Reza Poureslami**

Insta-Pro International, USA

**Dr. M. Nalini Padmanabhan**

Karpagam University, India

**Dr. Pramod Pandey**

University of California, USA

## TABLE OF CONTENTS

### Volume 3, Number 1B, January 2014

<b>Cassava slices drying by using a combined hot-air single-plane microwave dryer</b>	
P. Wilaipon.....	1
<b>Development of temperature indicator prototype: Cardpaper coated with chitosan intelligent films</b>	
V. B. V. Maciel, C. M. P. Yoshida, T. T. Franco.....	5
<b>The calcium-binding activity of fish scale protein hydrolysates</b>	
R. Y. Nie, Y. J. Liu, Z. Y. Liu.....	11
<b>Modeling crop land soil moisture and impacts of supplemental irrigaiton in a rainfed region of Bangladesh</b>	
P. K. Pandey, S. Biswas.....	16
<b>Novel method for determination of sodium in foods by thermometric endpoint titrimetry (TET)</b>	
T. Smith, C. Haider.....	20

---

The figure on the front cover is from the article published in Journal of Agricultural Chemistry and Environment, 2014, Vol. 3, No. 1B, pp. 11-15 by Ruiyan Nie, Yuejiao Liu and Zunying Liu.

# **Journal of Agricultural Chemistry and Environment (JACEN)**

## **Journal Information**

### **SUBSCRIPTIONS**

The *Journal of Agricultural Chemistry and Environment* (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©2014 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.

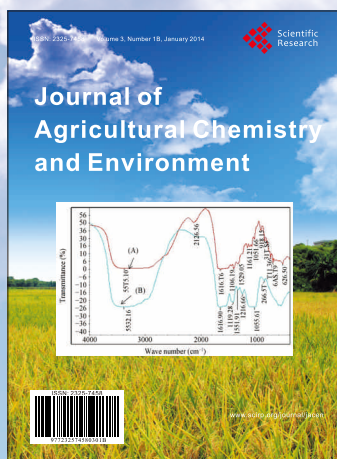
### **PRODUCTION INFORMATION**

For manuscripts that have been accepted for publication, please contact:

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



**Call for Papers**



# Journal of Agricultural Chemistry and Environment

ISSN Print: 2325-7458    ISSN Online: 2325-744X

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

The Journal of Agricultural Chemistry and Environment (JACEN) is an official journal published quarterly in February, May, August and November. It has been launched by the Korean Society of Environmental Agriculture. JACEN publishes researches on all aspects dealing with chemical, biological, and physical processes affecting the environmental changes in agriculture. JACEN publishes original papers including but not limited to the following fields:

## Subject Coverage

- Agricultural Bioresource Technology
- Agricultural Chemistry
- Agricultural Composting
- Agricultural Ecology
- Agricultural Environment
- Agricultural Microbiology
- Agrochemicals
- Bioremediation
- Climate Changing to Agriculture
- Crop Protection and Physiology
- Environmentally-friendly Agriculture
- Integrated Pest Management
- Organic Farming
- Plant Nutrition
- Risk Assessment of Agrochemicals
- Soil-plant Relationships
- Soil Science
- Sustainable Agriculture

We are also interested in: Case series, Case reports, and Short communications.

## Notes for Intending Authors

JACEN welcomes original research articles, reviews, and short communications with a maximum of 6, 10, and 2 printed pages, respectively. For more information to prepare manuscript, please see Manuscript Preparation described in the Guidelines.

## Website and E-Mail

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

E-mail: [jacen@scirp.org](mailto:jacen@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, by delivering superior scientific publications and scientific information solution provider that enable advancement in scientific research.

## ***What is Open Access?***

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, world-wide, 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
- Guaranteed targeted, multidisciplinary audience



**Scientific  
Research**

Website: <http://www.scirp.org>

Subscription: [sub@scirp.org](mailto:sub@scirp.org)

Advertisement: [service@scirp.org](mailto:service@scirp.org)