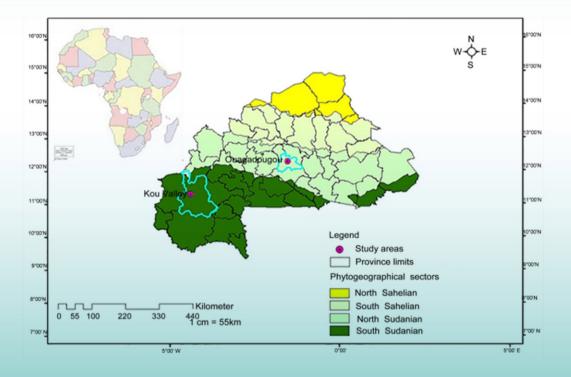


Agricultural Sciences





www.scirp.org/journal/as

Journal Editorial Board

ISSN Print: 2156-8553 ISSN Online: 2156-8561 www.scirp.org/journal/as

| Editor-in-Chief | |
|---------------------------------------|--|
| Prof. Daniele De Wrachien | State University of Milan, Italy |
| Executive Editor-in-Chief | |
| Executive Ealtor-In-Chief | |
| Prof. Mudlagiri B. Goli | Mississippi Valley State University, USA |
| | |
| Editorial Board | |
| Dr. Said Elshahat Abdallah | Kafrelsheikh University, Egypt |
| Prof. Abdulrasoul Alomran | King Saud University, Saudi Arabia |
| Dr. Aziz Aziz | University of Reims, France |
| Prof. Nacer Bellaloui | Crop Genetics Research Unit, USA |
| Dr. Oguz Dolgun | Adnan Menderes University, Turkey |
| Prof. Carlo Duso | University of Padua, Italy |
| Prof. Dionisios Gasparatos | Aristotle University of Thessaloniki, Greece |
| Prof. Ghanshyam D. Heda | Mississippi University for Women, USA |
| Prof. Hongqing Hu | Huazhong Agricultural University, China |
| Prof. Chung L. Huang | The University of Georgia, USA |
| Prof. Chao Liang | University of Wisconsin-Madison, USA |
| Prof. Giulio Lorenzini | University of Parma, Italy |
| Prof. Junhua Peng | Chinese Academy of Sciences, China |
| Prof. Elena Petrushkina | Russian Academy of Sciences, Russia |
| Prof. Maria Cristina Marcucci Ribeiro | Anhanguera-Uniban University, Brazil |
| Prof. Ram Roshan Sharma | Indian Agricultural Research Institute, India |
| Prof. Allan T. Showler | Kika de la Garza Subtropical Agricultural Research Center, USA |
| Prof. Wenjun Zhang | Sun Yat-sen University, China |



Table of Contents

Volume 7 Number 11

November 2016

| Effects of a Foliar Neem Formulation on Colonization and Mortality of Whiteflies (Hemiptera: Aleyrodidae) on Collard Plants | |
|--|-----|
| D. Krzyzaniak, A. M. Simmons, B. M. Shepard | 771 |
| Effect of Combined Application of Subsurface Drainage and Mineral Fertilization on Iron-Reducing Bacterial Populations' Developments and Fe ²⁺ Uptake by Two Rice Varieties in an Iron Toxic Paddy Soil of Burkina Faso (West Africa) | |
| C. H. Otoidobiga, H. Kam, A. Bagayogo, A. Savadogo, J. B. Sawadogo, S. Sawadogo, A. Sawadogo, Y. Sinaré, I. Ouédraogo, P. Zombré, S. Asakawa, A. S. Traoré, D. Dianou | 783 |
| Extent of Reduction of the Fallow Period and Its Impact on Upland Rice Production in the Nongowa Chiefdom of Kenema District in Eastern Sierra Leone | |
| A. Kamara, O. S. Vonu, J. Lansana, F. S. Sesay | 305 |

The figure on the front cover is from the article published in Agricultural Sciences, 2016, Vol. 7, No. 11, pp. 783-804 by Cécile Harmonie Otoidobiga, Honoré Kam, Adama Bagayogo, Aboubacar Savadogo, Joseph B. Sawadogo, Sayouba Sawadogo, Adama Sawadogo, Yapi Sinaré, Ibrahima Ouédraogo, Prosper Zombré, Susumu Asakawa, Alfred S. Traoré, Dayéri Dianou.

Agricultural Sciences (AS) Journal Information

SUBSCRIPTIONS

The *Agricultural Sciences* (Online at Scientific Research Publishing, <u>www.SciRP.org</u>) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 per copy. 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 © 2016 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 © 2016 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: <u>as@scirp.org</u>



Agricultural Sciences

Call for Dapers

Prof. Maria Cristina Marcucci Ribeiro

Prof. Ram Roshan Sharma

Prof. Allan T. Showler

Prof. Wenjun Zhang

ISSN Print: 2156-8553 ISSN Online: 2156-8561 http://www.scirp.org/journal/as

Agricultural Sciences (AS) is an international refereed journal dedicated to the latest agricultural science. The goal of this journal is to keep a record of the state-of-the-art research and promote the research work in these fast moving areas.

Editor-in-Chief

Prof. Daniele De Wrachien

Executive Editor-in-Chief Prof. Mudlagiri B. Goli

Editorial Board

Dr. Said Elshahat Abdallah Prof. Abdulrasoul Alomran Dr. Aziz Aziz Prof. Nacer Bellaloui Dr. Oguz Dolgun Prof. Carlo Duso Prof. Dionisios Gasparatos

Subject Coverage

This journal invites original research and review papers that address the following issues in agricultural sciences. Topics of interest include, but are not limited to:

Prof. Ghanshvam D. Heda

Prof. Hongging Hu

Prof. Chao Liang

Prof. Chung L. Huang

Prof. Giulio Lorenzini

Prof. Elena Petrushkina

Prof. Junhua Peng

- Agricultural Biodiversity
- Agricultural Botany
- Agricultural Ecology
- Agricultural Economics
- Agricultural Electrification and Automation
- Agricultural Entomology
- Agricultural Genomics
- Agricultural Production
- Agricultural Resources
- Agrochemistry
- Agrology
- AgronomyAnimal Breeding and Nutrition
- Aquaculture
- Biological Engineering
- Breeding Genetics and Pathology
- Crop Physiology and Science
- Dairy Farming

- Energy Agriculture
- Environmental Hydrology
- Fertilization, Breeding and Protection of Plants
- Horticulture
- Husbandry Science
- Irrigation Management
- Modelling of Crop and Animal Systems
- Organic Agriculture
- Plant Breeding Genetics and Pathology
- Plant Nutrition
- Plant Protection
- Security of Genetically Modified Agricultural Organisms
- Soil Science and Soil Land Use
- Soil-Plant Relationships
- Sustainable Rural Development
- Sustainable Rural Development Agricultural Botany
- Theoretical Production Ecology

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

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail www.scirp.org/journal/as

E-mail: as@scirp.org