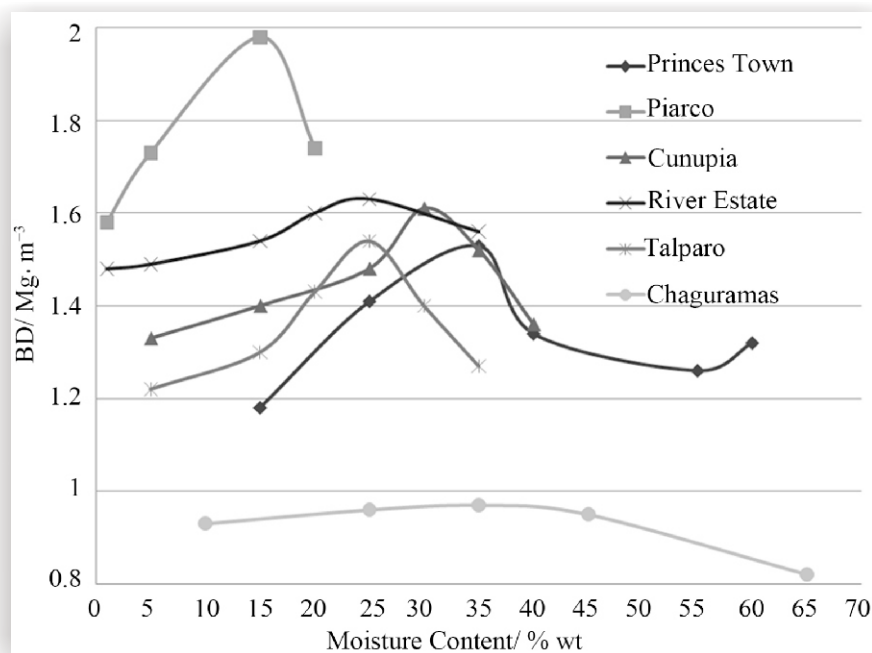




Open Journal of Soil Science



ISSN: 2162-5360



Journal Editorial Board

ISSN: 2162-5360 (Print), 2162-5379 (Online)

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

Editor-in-Chief

Prof. Haiyan Chu

Chinese Academy of Sciences, China

Editorial Board

Prof. Wael Abdel Kawy
Dr. Thomas John Aspray
Prof. Jie Chen
Dr. Wilfredo A. Dumale, Jr.
Prof. Thomas E. Fenton
Prof. W. G. Dilantha Fernando
Dr. Bente Foereid
Dr. Adriel Ferreira da Fonseca
Dr. Rima B. Franklin
Dr. Bin Gao
Dr. Daniel Hirmas
Dr. Kamlesh Jangid
Dr. Michael B. Jenkins
Dr. Antonio Jordán López
Prof. Mehmet Rüştü Karaman
Prof. Tasios Karathanasis
Prof. Usama F. A. Karim
Prof. Arno Kleber
Dr. Sandeep Kumar
Prof. Dar-Yuan Lee
Dr. Ana Teresa Lima
Prof. Francisco Jose Martín Peinado
Dr. Julia Martínez Fernández
Dr. Maren Oelbermann
Dr. Feifei Pan
Dr. Álvaro Ramírez-Gómez
Dr. Shambhu Prasad Sah
Dr. Yang-Hsin Shih
Dr. A. K. Srivastava
Prof. Berrin Tansel
Dr. Xinhua (Frank) Yin
Dr. Kefeng Zhang

Cairo University, Egypt
Heriot Watt University, UK
Shanghai Jiao Tong University, China
University of Tokyo, Japan
Iowa State University, USA
University of Manitoba, Canada
University of Abertay Dundee, UK
State University of Ponta Grossa, Brazil
Virginia Commonwealth University, USA
University of Florida, USA
University of Kansas, USA
University of Georgia, USA
USDA-ARS, USA
University of Seville, Spain
Gaziosmanpasa University, Turkey
University of Kentucky, USA
University of Twente, Netherlands
Dresden University of Technology, Germany
South Dakota State University, USA
National Taiwan University, Chinese Taipei
Utrecht University, Netherlands
University of Granada, Spain
University of Murcia, Spain
University of Waterloo, Canada
University of North Texas, USA
Polytechnic University of Madrid, Spain
University of Helsinki, Finland
National Taiwan University, Chinese Taipei
National Research Centre for Citrus, India
Florida International University, USA
University of Tennessee-Knoxville, USA
Warwick University, UK

Guest Reviewers

Blanca Bernal
Dionisios Gasparatos
Zhiming Qi

Manoj Kumar
Sidat Yaffa
Junqiang Zheng

TABLE OF CONTENTS

Volume 2 Number 4

December 2012

Surface Hardness as an Indicator of Soil Strength of Agricultural Soils

G. D. Eudoxie, D. Phillips, R. Springer.....341

Effect of Wood Compost on Extreme Soil Characteristics in the Lusatian Lignite Region

W. Nada, O. Blumenstein, S. Claassens, L. van Rensburg.....347

Soil Properties of a Tropical Savannah in the Eastern Ghats of India

R. Chandra, N. Ganesan, B. A. K. Prusty, P. A. Azeez.....353

Long-Term Exclusion of Grazing Increases Soil Microbial Biomass but Not Diversity in a Temperate Grassland

X. Q. Zhou, C. R. Chen, Y. F. Wang.....364

Effect of Organic Matter Amendment on Hydraulic and Pore Characteristics of a Clay Loam Soil

M. K. Eusufzai, K. Fujii.....372

Recovery of Soil Test Phosphorus from an Acidic Soil Amended with Organic and Inorganic Phosphorus

F. Rumi, Md. A. Kashem, K. T. Osman.....382

The figure on the front cover is from the article published in *Open Journal of Soil Science*, 2012, Vol. 2, No. 4, pp. 341-346 by Gaius D. Eudoxie, Dennison Phillips and Raymond Springer.

Open Journal of Soil Science (OJSS)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Soil Science* (Online at Scientific Research Publishing, 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

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©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 assumes 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: ojss@scirp.org



Open Journal of Soil Science

ISSN: 2162-5360 (Print) ISSN: 2162-5379 (Online)

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

Open Journal of Soil Science (OJSS) is an international journal dedicated to the latest advancement of soil science. The goal of its 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 soil science.

Editor-in-Chief

Dr. Haiyan Chu

Chinese Academy of Sciences, China

Editorial Board

Prof. Wael Abdel Kawy
Dr. Thomas John Aspray
Prof. Jie Chen
Dr. Wilfredo A. Dumale, Jr.
Prof. Thomas E. Fenton
Prof. W. G. Dilantha Fernando
Dr. Bente Foereid
Dr. Adriel Ferreira da Fonseca
Dr. Rima B. Franklin
Dr. Bin Gao
Dr. Daniel Hirmas

Dr. Kamlesh Jangid
Dr. Michael B. Jenkins
Dr. Antonio Jordán López
Prof. Mehmet Rüştü Karaman
Prof. Tasios Karathanasis
Prof. Usama F. A. Karim
Prof. Arno Klebera
Dr. Sandeep Kumar
Prof. Dar-Yuan Lee
Dr. Ana Teresa Lima
Prof. Francisco Jose Martín Peinado

Dr. Julia Martínez Fernández
Dr. Maren Oelbermann
Dr. Feifei Pan
Dr. Álvaro Ramírez-Gómez
Dr. Shambhu Prasad Sah
Dr. Yang-Hsin Shih
Dr. A. K. Srivastava
Prof. Berrin Tansel
Dr. Xinhua (Frank) Yin
Dr. Kefeng Zhang

Subject Coverage

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

- Soil and Global Change
- Soil Biology and Biochemistry
- Soil Chemistry
- Soil Ecology
- Soil Environment
- Soil Fertility and Plant Nutrition
- Soil Geography
- Soil Improvement Studies
- Soil Microbiology
- Soil Physics
- Soil Remediation
- Soil Resources and Use
- Soil Science in Other Disciplines
- Soil Survey and Evaluation
- Soil Taxonomy
- Soil Tillage

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the **OJSS**.

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

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

Email: ojss@scirp.org