



Open Journal of Soil Science

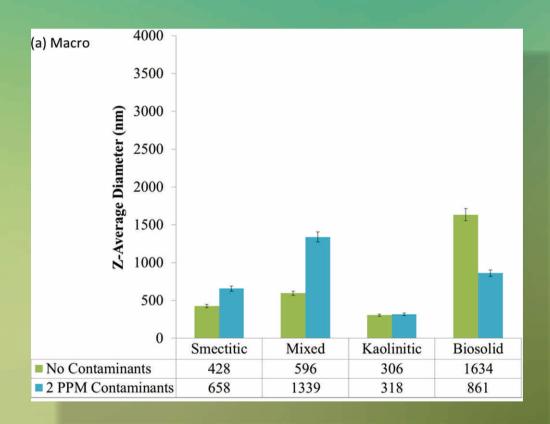






Table of Contents

Volume 4	Number 7	July 2014
	oil Fractions (Sand, Silt and Clay) in Surface Layer Based on Natural Concentration in the Soil Using Adaptive Neuro Fuzzy Inference System	
S. Al-Hamed, N	Л. Wahby, M. Al-Sulaiman, A. Aboukarima	215
	ld Decomposition and Physico-Chemical Transformation of iochar in Acidic Mineral Soil	
C. P. Meng, A.	H. M. Hanif, S. A. Wahid, L. C. Abdullah	226
	d Zn on Maize (<i>Zea mays</i> L.) Yield and Nutrient Uptake in and Derived Soils of Southeastern Nigeria	
E. U. Eteng, D.	O. Asawalam, A. O. Ano	235
•	and Biosolid Nanocolloid and Macrocolloid Particles in the resence of Arsenic, Selenium, Copper and Lead	
J. Ghezzi, A. Ka	arathanasis, C. Matocha, J. Unrine, Y. Thompson	246

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. Daniel J. Ashworth Dr. Thomas John Aspray

Prof. Jie Chen

Dr. Adriel Ferreira da Fonseca Dr. Wilfredo Jr., Arellano Dumale

Prof. Thomas E. Fenton

Prof. W. G. Dilantha Fernando

Dr. Bente Foereid

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. Álvaro Ramírez-Gómez Dr. Shambhu Prasad Sah

Dr. Yang-Hsin Shih

Prof. Abdou Abdou Soaud

Dr. A. K. Srivastava Prof. Berrin Tansel Dr. Xinhua (Frank) Yin Dr. Kefeng Zhang Cairo University, Egypt

University of California-Riverside, USA

Heriot Watt University, UK

Shanghai Jiao Tong University, China State University of Ponta Grossa, Brazil

University of Tokyo, Japan Iowa State University, USA University of Manitoba, Canada University of Abertay Dundee, UK

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, The Netherlands Dresden University of Technology, Germany

South Dakota State University, USA

National Taiwan University, Chinese Taipei

Utrecht University, The Netherlands

University of Granada, Spain University of Murcia, Spain University of Waterloo, Canada

Polytechnic University of Madrid, Spain

University of Helsinki, Finland

National Taiwan University, Chinese Taipei

Cairo University, Egypt

National Research Centre for Citrus, India Florida International University, USA University of Tennessee-Knoxville, USA

Zhejiang University, China

Guest Reviewers

Blanca Bernal Dionisios Gasparatos Manoj Kumar Zhiming Qi Sidat Yaffa Junqiang Zheng

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 monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$69 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 AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:

Copyright © 2014 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 $\ensuremath{\mathbb{Q}}$ 2014 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: 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 this 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

Prof. Haiyan Chu

Chinese Academy of Sciences, China

Editorial Board

Prof. Wael Abdel Kawy Dr. Daniel J. Ashworth

Dr. Thomas John Asprav

Prof. Jie Chen

Dr. Adriel Ferreira da Fonseca

Dr. Wilfredo Jr., Arellano Dumale

Prof. Thomas E. Fenton

Prof. W. G. Dilantha Fernando

Dr. Bente Foereid

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. Álvaro Ramírez-Gómez

Dr. Shambhu Prasad Sah

Dr. Yang-Hsin Shih

Prof. Abdou Abdou Soaud

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