JOURNAL OF SOIL AND WATER CONSERVATION The science and art of natural resource management for sustainability



Table of Contents

A SECTION

VIEWPOINT

113A The subversive conservationist

Pete Nowak

BOOK REVIEW

116A Field Estimation of Soil Water Content: A review

Warren J. Busscher

FEATURE

117A Forest soil quality standards should be quantifiable

Thomas H. DeLuca and Vincent Archer

CONSERVATION IN ACTION

International soil and water conservation: My experience and how SWCS helped

Theo Dillaha

IDEAS & INNOVATIONS

Changing the engines of change: Natural resource conservation in the era of social media

Mark Anderson-Wilk

A SECTION Call for Papers

Are you working on cutting edge research in soil and water conservation? Does your work involve new tools, technologies, or materials that others should be aware of? Have you observed or been a part of conservation practices that are worth sharing with the journal audience?

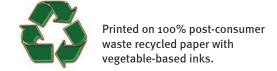
If you answered "Yes" to any of these questions, you are invited to submit your article ideas for the A Section of the *Journal of Soil and Water Conservation*.

Your work could be published in one of the A Section topic areas: Conservation in Practice, Viewpoint, Ideas & Innovations, Conservation in Action, In the News, Feature, etc.

To submit your article ideas or for more information, contact the editor Oksana Gieseman at oksana.gieseman@swcs.org.



On the Cover
Buckingham fountain in
downtown Chicago. Photo
by Charlene Bayerle.



RESEARCH SECTION

- Rainfall erosion resistance and stability of various composts
 M. Xiao and I. Gomez
- Linear anionic polyacrylamide as an effective post-fire soil treatment: Understanding the chemistry and physical science

R.A. Davidson, C.F. Davidson, and A. Roa-Espinosa

- 253 STEEP: Impact of long-term conservation farming research and education in Pacific Northwest wheatlands
 H. Kok, R.I. Papendick, and K.E. Saxton
- Conservation tillage to effectively reduce interrill erodibility of highly-weathered Ultisols C.C. Truman, J.N. Shaw, D.C. Flanagan, D.W. Reeves, and J.C. Ascough II
- Wisconsin farmer attitudes regarding native grass use in grazing systems
 J.E. Doll and R.D. Jackson

RESEARCH EDITORIAL

286 Balancing corn stover harvest for biofuels with soil and water conservation R.M. Cruse and C.G. Herndl



ANNOUNCEMENT

The Journal of Soil and Water Conservation has launched online.

AUTHORS

Please submit manuscripts using the new online manuscript review system.

MORE INFORMATION
Go to www.jswconline.org

JOURNAL OF SOIL AND WATER CONSERVATION

Soil and Water Conservation Society 945 SW Ankeny Road, Ankeny, IA 50023 USA www.swcs.org

EDITOR & DIRECTOR OF PUBLICATIONS Oksana Gieseman Soil and Water Conservation Society Ankeny, Iowa, USA

RESEARCH EDITOR & CHAIR OF EDITORIAL BOARD Jorge A. Delgado Soil Plant Nutrient Research Unit USDA Agricultural Research Service Fort Collins, Colorado, USA

EDITORIAL ASSISTANT Jacqueline Pohl Soil and Water Conservation Society Ankeny, Iowa, USA

EDITORIAL BOARD Mahdi M. Al-Kaisi Department of Agronomy Iowa State University Ames, Iowa, USA

Francisco Arriaga National Soil Dynamics Laboratory USDA Agricultural Research Service Auburn, Alabama, USA

Darrell J. Bosch Department of Agricultural and Applied Economics Virginia Polytechnic Institute and State University Blacksburg, Virginia, USA

Warren J. Busscher Coastal Plains Soil, Water, and Plant Research Center USDA Agricultural Research Service Florence, South Carolina, USA

Grant E. Cardon Extension Utah State University Logan, Utah, USA

Adrian Chappell Digital Soil Mapping Team Commonwealth Science & Industry Research Organisation Canberra, Australia

Zhibao Dong Key Laboratory of Desert and Desertification Chinese Academy of Sciences Lanzhou, Gansu Province, China

Moustafa A. Elrashidi National Soil Survey Center USDA Natural Resources Conservation Service Lincoln, Nebraska, USA

David T. Favis-Mortlock School of Geography Queen's University Belfast Belfast, Northern Ireland, UK

LeRoy Hansen USDA Economic Research Service Washington, DC, USA

Chunsheng Hu Center for Agricultural Resources Research Shijiazhuang, Hebei, China

Roberto César Izaurralde Joint Global Change Research Institute University of Maryland College Park, Maryland, USA

Victor G. Jetten Department of Earth Systems Analysis, International Institute for Geo-Information Science & Earth Observation Enschede, the Netherlands

Peter J.A. Kleinman Pasture Systems & Watershed Management Research Unit USDA Agricultural Research Service University Park, Pennsylvania, USA

Raúl S. Lavado College of Agronomy University of Buenos Aires Buenos Aires, Argentina

Birl Lowery Department of Soil Science University of Wisconsin-Madison Madison, Wisconsin, USA

Loretta M. Lynch Department of Agricultural and Resource Economics University of Maryland College Park, Maryland, USA Maurice J. Mausbach Soil Survey and Resource Assessment USDA Natural Resources Conservation Service Fort Collins, Colorado, USA

Machito Mihara Faculty of Regional Environmental Science Tokyo University of Agriculture Tokyo, Japan

Thanos Papanicolaou Department of Civil and Environmental Engineering The University of Iowa Iowa City, Iowa, USA

Kenneth N. Potter Grassland Soil and Water Research Laboratory USDA Agricultural Research Service Temple, Texas, USA

Felix Kolawole Salako Department of Soil Science and Land Management University of Agriculture Abeokuta, Nigeria

Peter Strauss Institute for Land and Water Management Research Federal Agency for Water Management Pöchlarn, Austria

Mary E. Stromberger Department of Soil and Crop Sciences Colorado State University Fort Collins, Colorado, USA

R. Scott Van Pelt Wind Erosion and Water Conservation Research Unit USDA Agricultural Research Service Big Spring, Texas, USA

Anita Veihe Department of Environmental, Social and Spatial Change University of Roskilde Roskilde. Denmark

John Westra Department of Agricultural Economics and Agribusiness Louisiana State University Baton Rouge, Louisiana, USA

John D. Williams Columbia Plateau Conservation Research Center USDA Agricultural Research Service Pendleton, Oregon, USA

Wanhong Yang Department of Geography University of Guelph Guelph, Ontario, Canada

BOARD OF DIRECTORS
Gary Steinhardt, President & East North Central Director
William W. Boyer, Vice President & Northeastern Director
Clark Gantzer, Secretary & At Large Director
Peggie James, Treasurer & West North Central Director
Theo Dillaha, Southeastern Director
Danny Hughes, South Central Director
Melinda L. McClanahan, At Large Director
Mary Miller, Northern Plains Director
Colby Moorberg, Student Director
Marsha L. Paley, Canada Director
Jerry Pearce, Southwestern Director
Dan Towery, At Large Director
Don Wysocki, Western Director

The Journal of Soil and Water Conservation (print ISSN 0022-4561, online ISSN 1941-3300) is published bimonthly by the Soil and Water Conservation Society. © 2009 by the Soil and Water Conservation Society. All rights reserved.

For subscriptions or membership, please visit www.swcs.org or call 800-THE-SOIL POSTMASTER: Send address changes to *Journal of Soil and Water Conservation*, 945 SW Ankeny Road, Ankeny, IA 50023 USA. Periodicals postage paid at Ankeny, IA, and additional mailing offices.

Submit comments, contributions, advertising queries, and requests for reprints and permissions to the editor at pubs@ swcs.org. Articles in the Research Section have undergone peer review. The Soil and Water Conservation Society assumes no responsibility for statements and opinions expressed by contributors.

Soil and Water Conservation Society Corporate Membership

GOLD CORPORATE MEMBER

Agri Drain Corporation www.agridrain.com

SILVER CORPORATE MEMBERS

Agren Inc. www.agren-inc.com

BSA Life Structures Inc. www.bsalifestructures.com

Erosion Tech LLC www.scourstop.com

The Nature Conservancy www.nature.org

BRONZE CORPORATE MEMBERS

Ag Business Consultants www.van8.com

Agricultural Engineering Services PLLC www.aes-office.com

Agrowknowledge www.agrowknow.org

Alliant Energy Corporation www.alliantenergy.com

EnSave Inc. www.ensave.com

Forrest Keeling Nursery www.fknursery.com

Horizon Wind Energy www.horizonwind.com

Iowa Farm Bureau Federation www.iowafarmbureau.com

Logiag Inc. www.farmnutriadvisor.com

Stock Seed Farms www.stockseed.com

Validus Services LLC www.validusservices.com

White River Irrigation District www.whiteriverirrigation.com

For information on becoming a corporate member, please contact

Sue Ann Lynes 515-289-2331 ext. 112 sueann.lynes@swcs.org