



## Table of Contents

### A SECTION

#### FEATURE

- 69A **Supporting practitioners in developing effective decision support tools for natural resource managers**  
Gabrielle E. Roesch-McNally, Sarah Wiener, Julian Reyes, Caitlin M. Rottler, Jennifer Balachowski, and Rachel E. Schattman

#### VIEWPOINT

- 75A **Feeding the world and returning half of the agricultural land back to nature**  
Rattan Lal

### 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 editor Annie Binder at [annie.binder@swcs.org](mailto:annie.binder@swcs.org)



**On the Cover**  
 East Fork Jemez River,  
 New Mexico, USA.  
 Photo by Stephanie Klepacki.



Printed on 100% post-consumer  
 waste recycled paper with  
 vegetable-based inks.

## RESEARCH SECTION

- 293** **A case study of runoff and sediment yield in areas subjected to different forest thinning operations in a northern New Mexico forest**  
 F. Atalar, O. Beyazoglu, A.G. Fernald, O.T. Burney, D.M. VanLeeuwen, and D.S. Cram
- 303** **Applicability of laser diffraction method for soil particle size distribution analysis of five soil orders in the water erosion region of China**  
 X. Bai, Y. Yang, T. Huang, and B. Liu
- 317** **Temporal variability in water and nutrient movement through vertisols into agricultural tile drains in the northern Great Plains**  
 V. Kokulan, M.L. Macrae, G.A. Ali, D.A. Lobb, M. Morison, and B.C. Brooks
- 329** **Irrigator perceptions and the value of groundwater quality in the High Plains Aquifer**  
 G. Gardner, G. Sampson, and D. Presley
- 340** **Crop yield and economics of cropping systems involving different rotations, tillage, and cover crops**  
 J. Singh, T. Wang, S. Kumar, Z. Xu, P. Sexton, J. Davis, and A. Bly
- 349** **Crop type drives soil bacterial community and functional structure on the Loess Plateau terraces of China**  
 L. Xiao, Y. Huang, J. Zhao, and J. Zhou
- 359** **Runoff and soil and nutrient losses from gravel mulching: A field experiment with natural rainfall on the Loess Plateau of China**  
 Y. Qiu, W. Lv, X. Wang, Y. Wang, J. Li, and Z. Xie
- 369** **A preliminary determination of the plot-scale fertilization tolerance of an Entisol in southwest China**  
 L. Zhao, M. Fan, B. Zhang, Y. He, J. Jin, and G. Liu

Copyright © 2021 Soil and Water Conservation Society. All rights reserved.  
 Journal of Soil and Water Conservation 76(4):75A-386 www.swc.org

JOURNAL OF SOIL AND WATER  
**CONSERVATION**  
 online

The *Journal of Soil and Water Conservation* is online.

### AUTHORS

Please submit manuscripts using the online manuscript review system.

### MORE INFORMATION

Go to [www.jswconline.org](http://www.jswconline.org)