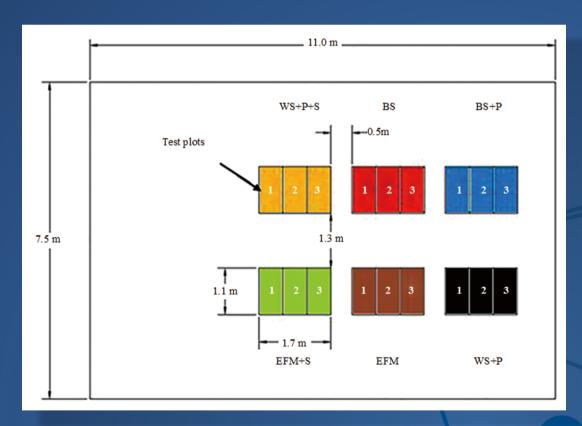


Journal of Water Resource and Protection

Special Issue on Sediment Research





Journal Editorial Board

ISSN: 1945-3094 (Print) ISSN: 1945-3108 (Online)

http://www.scirp.org/journal/jwarp

Editor-in-Chief

Prof. Jian Shen College of William and Mary, USA

Editorial Board

Dr. Damodhara Rao Mailapalli

Dr. Assad Ahmed Al-Thukair King Fahd University of Petroleum & Minerals, Saudi Arabia

Prof. Sam F. Atkinson
University of North Texas, USA

Dr. Amitava Bandyopadhyay
University of Calcutta, India

Dr. Helen Bridle
Heriot-Watt University, UK

Prof. Peter Dillon
Trent University, Canada

Dr. Karina GinNational University of Singapore, SingaporeProf. Jane HeyworthUniversity of Western Australia, AustraliaDr. Madan Kumar JhaIndian Institute of Technology, India

Dr. Paul KayUniversity of Leeds, UKProf. Zhaohua LiHubei University, ChinaProf. Pan LiuWuhan University, China

Dr. Arash MassoudiehThe Catholic University of America, USAProf. Jiho MinChonbuk National University, South KoreaProf. Ping-Feng PaiNational Chi Nan University, Chinese Taipei

Dr. Dhundi Raj Pathak Osaka Sangyo University, Japan

Prof. Mohamed Nageeb Rashed Aswan University, Egypt

Dr. Dipankar Saha Ministry of Water Resources Government of India, India

University of Wisconsin, USA

Prof. Vladimir Soldatov Institute of Physical Organic Chemistry, Belarus

Prof. Matthias Templ Vienna University of Technology, Austria

Dr. Stijn W. H. Van Hulle Ghent University, Belgium

Prof. Aswani K. Volety Florida Gulf Coast University, USA

Dr. Yiping (Rocky) Wu Earth Resources Observation and Science (EROS) Center, USA

Prof. Muqi XuChinese Academy of Sciences, ChinaProf. Xiaohua YangBeijing Normal University, China

Prof. Y. Jeffrey Yang US Environmental Protection Agency, USA

Dr. Jinsheng You University of Nebraska, USA

Prof. Fan Zhang Chinese Academy of Sciences, China
Prof. Chunli Zheng Dalian University of Technology, China



Table of Contents

Volume 7	Number 2	January 2015
	ears of Research on Sediment He	•
S. Pulatsü, A	. Topçu	85
•	Identification of Sediment-Associa etals and Organics: Indicators and	
Y. Todorova, I	I. Yotinov, S. Lincheva, Y. Topalova	101
Separation of I a Gradient Ma	Fe₃O₄ Nanoparticles from Water b gnetic Field	y Sedimentation in
I. Medvedeva	, Iu. Bakhteeva, S. Zhakov, A. Revvo, I	M. Uimin, A. Yermakov, I. Byzov, A. Mysik, N. Shchegoleva111
Cost Effectiver under Simulate	ness of Erosion Control Covers dur ed Rainfall	ing Vegetation Establishment
R. S. Sidhu, M	1. Dougherty, W. C. Zech, B. Guertal	119

Journal of Water Resource and Protection (JWARP)

Journal Information

SUBSCRIPTIONS

The *Journal of Water Resource and Protection* (Online at Scientific Research Publishing, www.SciRP.org) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$89 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 © 2015 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 $\ensuremath{\mathbb{Q}}$ 2015 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: jwarp@scirp.org

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- · High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience





Website: http://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org