# 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Assad Ahmed Al-Thukair</td>
<td>King Fahd University of Petroleum &amp; Minerals, Saudi Arabia</td>
</tr>
<tr>
<td>Prof. Sam F. Atkinson</td>
<td>University of North Texas, USA</td>
</tr>
<tr>
<td>Dr. Amitava Bandyopadhyay</td>
<td>University of Calcutta, India</td>
</tr>
<tr>
<td>Dr. Helen Bridle</td>
<td>Heriot-Watt University, UK</td>
</tr>
<tr>
<td>Prof. Peter Dillon</td>
<td>Trent University, Canada</td>
</tr>
<tr>
<td>Prof. Taisheng Du</td>
<td>China Agricultural University, China</td>
</tr>
<tr>
<td>Dr. Karina Yew-Hoong Gin</td>
<td>National University of Singapore, Singapore</td>
</tr>
<tr>
<td>Prof. Madan Kumar Jha</td>
<td>Indian Institute of Technology, India</td>
</tr>
<tr>
<td>Dr. Paul Kay</td>
<td>University of Leeds, UK</td>
</tr>
<tr>
<td>Prof. Zhaohua Li</td>
<td>Hubei University, China</td>
</tr>
<tr>
<td>Prof. Pan Liu</td>
<td>Wuhan University, China</td>
</tr>
<tr>
<td>Dr. Arash Massoudieh</td>
<td>The Catholic University of America, USA</td>
</tr>
<tr>
<td>Prof. Jiho Min</td>
<td>Chonbuk National University, South Korea</td>
</tr>
<tr>
<td>Prof. Ping-Feng Pai</td>
<td>National Chi Nan University, Chinese Taipei</td>
</tr>
<tr>
<td>Prof. Mohamed Nageeb Rashed</td>
<td>Aswan University, Egypt</td>
</tr>
<tr>
<td>Dr. Dipankar Saha</td>
<td>Ministry of Water Resources Government of India, India</td>
</tr>
<tr>
<td>Prof. Vladimir Soldatov</td>
<td>Institute of Physical Organic Chemistry, Belarus</td>
</tr>
<tr>
<td>Prof. Matthias Templ</td>
<td>Vienna University of Technology, Austria</td>
</tr>
<tr>
<td>Dr. Stijn W. H. Van Hulle</td>
<td>Ghent University, Belgium</td>
</tr>
<tr>
<td>Prof. Aswani K. Volety</td>
<td>Florida Gulf Coast University, USA</td>
</tr>
<tr>
<td>Dr. Yiping (Rocky) Wu</td>
<td>Earth Resources Observation and Science (EROS) Center, USA</td>
</tr>
<tr>
<td>Prof. Muqi Xu</td>
<td>Chinese Academy of Sciences, China</td>
</tr>
<tr>
<td>Prof. Xiaohua Yang</td>
<td>Beijing Normal University, China</td>
</tr>
<tr>
<td>Dr. Y. Jeffrey Yang</td>
<td>US Environmental Protection Agency, USA</td>
</tr>
<tr>
<td>Dr. Jinsheng You</td>
<td>University of Nebraska, USA</td>
</tr>
<tr>
<td>Prof. Fan Zhang</td>
<td>Chinese Academy of Sciences, China</td>
</tr>
<tr>
<td>Dr. Chunli Zheng</td>
<td>Xi’an Jiaotong University, China</td>
</tr>
</tbody>
</table>
Table of Contents

Volume 9 Number 7 June 2017

Physico-Chemical Quality of Selected Drinking Water Sources in Mbarara Municipality, Uganda
B. Lukubye, M. Andama ................................................................. 707

A Time-Based Framework for Evaluating Hydrologic Routing Methodologies Using Wavelet Transform
M. ElSaadani, W. F. Krajewski .......................................................... 723

The Impact of Discount Rate and Price on Intertemporal Groundwater Models in Southwest Kansas
M. K. Vestal, B. L. Guerrero, B. B. Golden, L. D. Harkey ........................................................................... 745

Experimental Investigations on Fluoride Removal from Water Using Nanoalumina-Carbon Nanotubes Blend
K. Smitha, S. G. Thampi ........................................................................ 760

Development of Bioassessment Tools for Ecological Status Using Macrozoobenthic Community in Upstream Area (Case Study: Citarum River, West Java, Indonesia)
N. Chazanah, P. Sudjono, F. A. Hasby, G. Suantika, B. S. Muntalif ................................................................. 770

The Modeled Effects of Rice Field Idling on Groundwater Storage in California’s Sacramento Valley

Effects of Turfgrass Thatch on Water Infiltration, Surface Runoff, and Evaporation
X. Liang, D. R. Su, Z. Wang, X. Qiao .......................................................... 799

The Effect of Preparation Conditions on the Removal Efficiency of Water Pollutants Using LTA Zeolite
I. H. A. El Maksod, S. Kosa, E. Z. Hegazy ............................................... 811

Assessing the Effects of Upstream Dam Developments on Sediment Distribution in the Lower Mekong Delta, Vietnam
T. A. Ngoc ......................................................................................... 822

The Application of PLC in Sewage Treatment
H. J. Zhu, X. L. Qiu ............................................................................ 841
Cake Filtration Equation Using $\tan^\theta$ Reduction Method

O. E. Udegbunam, J. O. Ademiluyi
Journal of Water Resource and Protection (JWARP)

Journal Information

SUBSCRIPTIONS


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)
E-mail: sub@scirp.org

COPYRIGHT

Copyright and reuse rights for the front matter of the journal:
Copyright © 2017 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 © 2017 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
Journal of Water Resource and Protection (JWARP)

http://www.scirp.org/journal/jwarp
ISSN: 1945-3094 (Print), 1945-3108 (Online)

JWARP is an international refereed journal dedicated to the latest advancement of water resource and protection. The goal of this journal is to keep a record of the state-of-the-art research and promote the research work.

Editor-in-Chief
Prof. Jian Shen  College of William and Mary, USA

Editorial Board
Dr. Assad Ahmed Al-Thukair  Prof. Pan Liu  Prof. Zhaohua Li  Dr. Sijin W. H. Van Hulle
Prof. Sam F. Atkinson  Dr. Arash Massoudieh  Prof. Jiho Min  Prof. Aswanl K. Volety
Dr. Amilava Bandopadhyay  Prof. Ping-Feng Pai  Prof. Mohamed Nageeb Rashed  Dr. Yiping (Rocky) Wu
Dr. Helen Bridle  Dr. Dipankar Saha  Prof. Vladimir Soldatov  Prof. Muru Xu
Prof. Peter Dillon  Prof. Xiaohua Yang  Prof. Taisheng Du  Dr. Y. Jeffrey Yang
Dr. Karina Yew-Hoong Gin  Prof. Matthias Templ  Dr. Jinsheng You  Prof. Fan Zhang
Prof. Madan Kumar Jha  Dr. Paul Kay  Dr. Chunli Zheng

Subject Coverage
This journal invites original research and review papers that address the following issues in water resource and protection. Topics of interest include, but are not limited to:

- Agricultural Water Management
- Ecological Restoration and Receiving Water Impacts
- Economic, Sociological, and Environmental Considerations of Water Resources
- Freshwater Security
- Ground Water Monitoring & Modeling
- Industrial Ecology and Water Sustainability
- Innovative Technologies and Engineering Solutions for Water Resources Protection
- Marine and Freshwater Conservation
- Mine Water and the Environment
- Monitoring, Modeling and Prediction of Water Pollution
- Remote Sensing for Water Resources Management
- Sea Water Utilization
- Stormwater Management and Low Impact Development
- Surface Runoff and Ground Water Pollution Control
- Urban Water
- Water and Environment
- Water Infrastructure and Life Cycle Assessment
- Water Policy and Governance
- Water Purification and Wastewater Treatment
- Water Quality Management and Ecosystems Modeling
- Water Quality Monitoring and Assessment
- Water Quality, Pollutant Exposure and Health
- Water Research & Education
- Water Resources and Climatic Change
- Water Resources Protection and Management
- Water Resources Restoration and Sustanable Use

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 JWARP.

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/jwarp  Email: 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