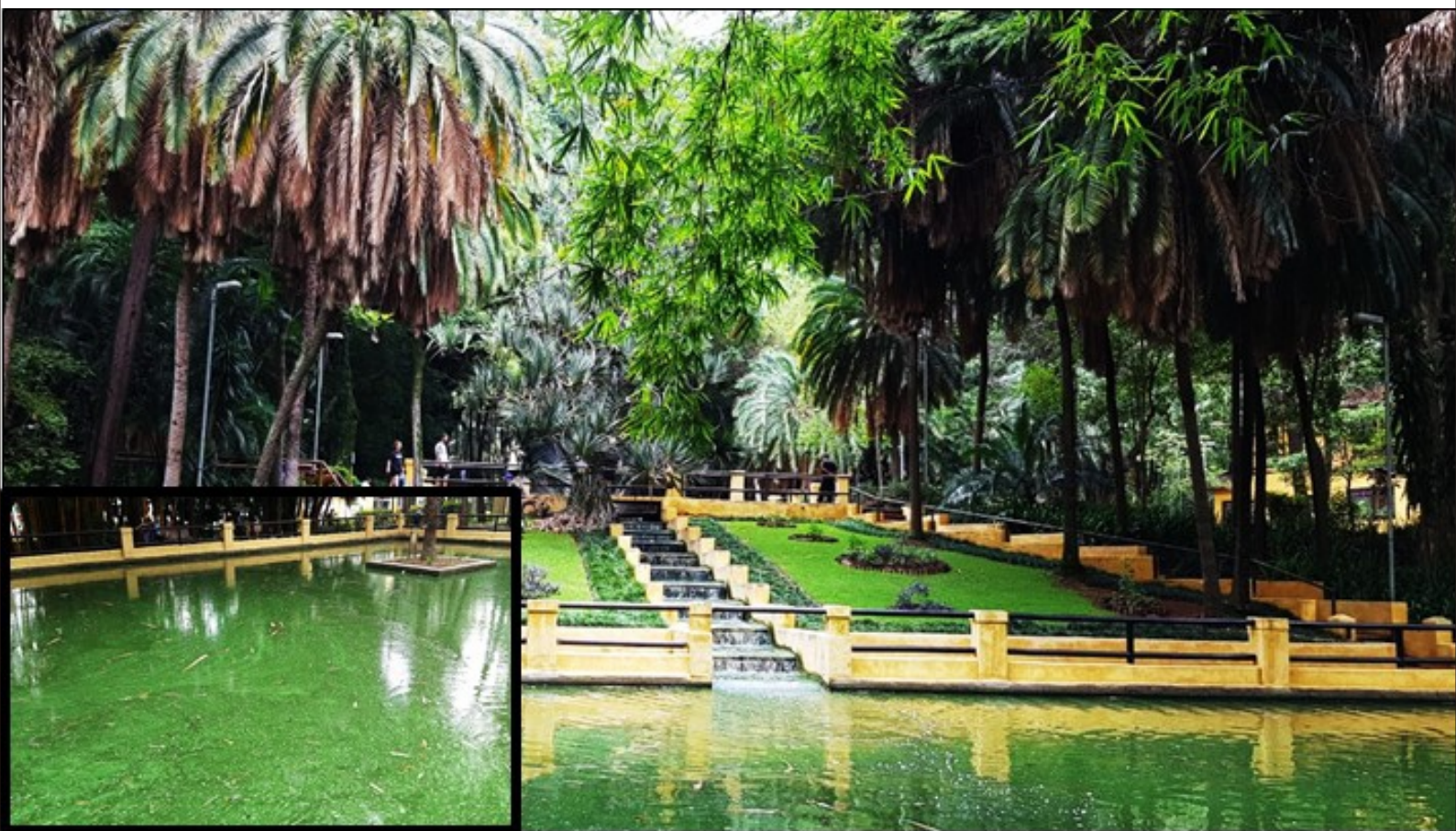


Journal of Water Resource and Protection



ISSN: 1945-3094



<https://www.scirp.org/journal/jwarp>

Journal Editorial Board

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

<https://www.scirp.org/journal/jwarp>

Editor-in-Chief

Prof. Jian Shen

College of William and Mary, USA

Editorial Board

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

Prof. Taisheng Du

China Agricultural University, China

Dr. Karina Yew-Hoong Gin

National University of Singapore, Singapore

Prof. Madan Kumar Jha

Indian Institute of Technology, India

Dr. Paul Kay

University of Leeds, UK

Prof. Zhaohua Li

Hubei University, China

Prof. Pan Liu

Wuhan University, China

Dr. Damodhara Rao Mailapalli

Indian Institute of Technology, India

Dr. Arash Massoudieh

The Catholic University of America, USA

Prof. Jiho Min

Chonbuk National University, South Korea

Prof. Ping-Feng Pai

National Chi Nan University, Chinese Taipei

Prof. Mohamed Nageeb Rashed

Aswan University, Egypt

Dr. Dipankar Saha

Ministry of Water Resources Government of India, India

Prof. Vladimir Soldatov

Institute of Physical Organic Chemistry, Belarus

Dr. 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 Xu

Chinese Academy of Sciences, China

Prof. Xiaohua Yang

Beijing Normal University, China

Dr. Y. Jeffrey Yang

US Environmental Protection Agency, USA

Dr. Jinsheng You

University of Nebraska, USA

Prof. Fan Zhang

Chinese Academy of Sciences, China

Dr. Chunli Zheng

Xi'an Jiaotong University, China

Table of Contents

Volume 11 Number 11

November 2019

Assessment of the Demarcation Method for Federal Riverine and Accreted Lands:

Case Study of the Rio De Janeiro State Section of the South Paraíba River

J. S. Oliveira, M. de Aquino Galeano Massera da Hora, M. A. V. de Freitas.....1313

Study on Technical Schemes for Major Pollutants Emission Reduction in Beijing North

Canal River Basin Based on Watershed Water Quality Target Management

G. Wang, D. H. Yan, T. Pan, X. Y. He, J. Qi, M. L. Ren, L. P. Zhao,

F. Wang, Z. B. Zhang, X. M. Jiang, X. D. Fu.....1327

The Impact of Precipitation on Drinking Water Resources

in the Sagarmatha National Park (Mt. Everest Region), Nepal

K. N. Nicholsona, K. Neumann, S. Sharma.....1351

Pilot Scale Biological Treatment as Pre-Treatment for Reverse Osmosis

S. R. S. Reddy, M. K. Karnena, V. Saritha.....1369

Influence of Cleaning Time in Household Reservoirs on

Trihalomethane Formation in Treated Water

R. Andreola, P. M. Reche, G. Tono, G. de Souza Bido, D. F. Felipe, A. R. Mannigel,

A. R. da Costa, G. C. Novakowski, L. L. Ricardo, F. H. de Moura Liborio,

S. R. A. V. da Fonseca, I. S. de Oliveira, G. P. Rasera, T. M. Teixeira.....1389

Tap Water versus Bottled Water: A Pilot Study

R. Knox, R. McDermott.....1398

Hydrogeophysical Characterization of a Weathered-Fractured Aquifer System:

A Case study of Olbanita, Lower Baringo Basin, Kenya Rift

B. Sosi, J. Barongo, A. Getabu, S. Maobe.....1408

Journal of Water Resource and Protection (JWARP)

Journal Information

SUBSCRIPTIONS

The *Journal of Water Resource and Protection* (Online at Scientific Research Publishing, <https://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 © 2019 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 © 2019 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.

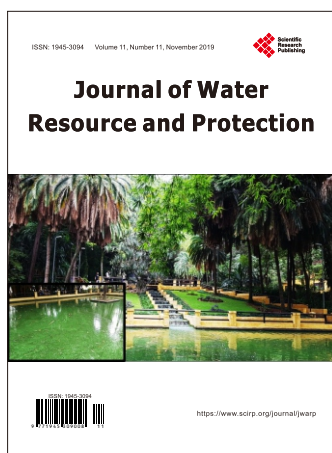
Disclaimer of liability

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



Call for Papers

Journal of Water Resource and Protection (JWARP)

<https://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. Sam F. Atkinson
Dr. Amitava Bandyopadhyay
Dr. Helen Bridle
Prof. Peter Dillon
Prof. Taisheng Du
Dr. Karina Yew-Hoong Gin
Prof. Madan Kumar Jha
Dr. Paul Kay
Prof. Zhaohua Li

Prof. Pan Liu
Dr. Damodhara Rao Mailapalli
Dr. Arash Massoudieh
Prof. Jiho Min
Prof. Ping-Feng Pai
Prof. Mohamed Nageeb Rashed
Dr. Dipankar Saha
Prof. Vladimir Soldatov
Dr. Matthias Templ
Dr. Stijn W. H. Van Hulle

Prof. Aswani K. Voley
Dr. Yiping (Rocky) Wu
Prof. Muqi Xu
Prof. Xiaohua Yang
Dr. Y. Jeffrey Yang
Dr. Jinsheng You
Prof. Fan Zhang
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
- Fresh Water 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 Sustainable 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

<https://www.scirp.org/journal/jwarp>

Email: jwarp@scirp.org