

ISSN: 2152-2197

Volume 16, Number 3, March 2025



Journal of Environmental Protection



ISSN: 2152-2197



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

Journal Editorial Board

ISSN: 2152-2197 (Print), 2152-2219 (Online)

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

Editors-in-Chief

Prof. Thangarasu Pandiyan
Prof. Qingren Wang

National Autonomous University of Mexico (UNAM), Mexico
University of Florida, USA

Editorial Board

Prof. Josh T. Ackerman
Prof. Ana Alebic-Juretic
Dr. Raslan Alenezi
Prof. Taha Alkhamis
Dr. Assad Ahmed Al-Thukair
Dr. Mohamed Alwaeli
Prof. Lemnuel V. Aragones
Dr. Nanjappa Ashwath
Prof. Sandhya Babel
Prof. Yunuén Canedo-López
Prof. Shuguang Deng
Prof. Larry Eugene Erickson
Prof. Ludmila A. Golovleva
Prof. El-Sayed El-Deeb Mehana
Hamouda

U.S. Geological Survey, USA
University of Rijeka, Croatia
College of Technological Studies, Kuwait
Mutah University, Jordan
Life Sciences Department, King Fahd University of Petroleum, Saudi Arabia
Silesian University of Technology, Poland
University of the Philippines, Philippines
Central Queensland University, Australia
Thammasat University, Thailand
Universidad Autónoma del Carmen, Mexico
New Mexico State University, USA
Kansas State University, USA
Russian Academy of Sciences, Russia
Alexandria University, Egypt

Dr. Amanda D. Harwood
Prof. Chin-Pao Huang
Prof. Madan Kumar Jha
Prof. Ganesh Raj Joshi
Prof. Rameshwar S. Kanwar
Prof. Hyun-Joong Kim
Prof. Raghava R. Kommalapati
Prof. Ashok Kumar
Prof. Robert Li
Prof. Julio Cesar Marin-Leal
Prof. Krishna Mazumdar
Prof. Jiangming Mo
Prof. Subhash C. Mojumdar
Prof. Saied Mostaghimi
Dr. Shaibal Mukerjee
Prof. Carmen N. Moelders aka
Nicole Mölders
Dr. Ed Carlo Rosa Paiva
Prof. Pucheng Pei
Prof. Anjanapura V. Raghu
Dr. Muneer Aziz Mohammed Saleh
Prof. Miklas Scholz
Prof. Adriana Soares de Schueler

Alma College, USA
University of Delaware, USA
Indian Institute of Technology Kharagpur, India
United Nations Center for Regional Development (UNCRD), Japan
Iowa State University, USA
Seoul National University, South Korea
Prairie View A&M University, USA
University of Toledo, USA
United States Department of Agriculture-Agricultural Research Service, USA
Universidad del Zulia, Venezuela
Indian Statistical Institute, India
Chinese Academy of Sciences, China
University of Guelph, Canada
Virginia Polytechnic Institute and State University, USA
U.S. Environmental Protection Agency, USA
Department of Atmospheric Sciences, Geophysical Institute and College of
Natural Sciences and Mathematics, University of Alaska Fairbanks, USA
Federal University of Goiás, Brazil
Tsinghua University, China
Department of Chemistry, Jain University, India
University Teknologi Malaysia (UTM), Malaysia
Lund University, Sweden
Department of Architecture and Urbanism, Universidade Federal Rural do Rio de Janeiro,
Brazil

Prof. Abdulaziz R. Seroji
Dr. Mohammad Nahid Siddiqui
Prof. Gilbert Sigua
Prof. Nguyen Van Song
Dr. Sulejman Sulce
Prof. Hongwen Sun
Prof. Cornelia Vasile
Prof. Qingwei Yang
Prof. Ierotheos Zacharias
Prof. Jinheng Zhang

Umm Al-Qura University, Saudi Arabia
King Fahd University of Petroleum & Minerals, Saudi Arabia
United States Department of Agriculture-Subtropical Agricultural Research Station, USA
Resource Economic Department, Agriculture University of Hanoi, Vietnam
Agricultural University of Tirana, Albania
Nankai University, China
Laval University, Canada
Chongqing Jiaotong University, China
University of Patras, Greece
America-China Culture & Education Foundation, USA

Table of Contents

Volume 16 Number 3

March 2025

Remote Sensing Monitoring of Ecological Environment Change in Jinchuan Mining Area, China

Z. Chen211

Determination, Speciation and Bioavailability of Trace Metals Elements in Sabodala Mine Tailings

M. Diop, Y. Diouf, B. Diouf, T. Diop225

Study on the Photodegradation Mechanism of Sodium Diatrizoate in UV-Based Advanced Oxidation Processes

Y. Y. Wang, S. Wang, R. N. Liu, Z. N. Li, K. H. Liu239

The German Energy Transition: Too Much of a Good Thing?

D. Loehr.....253

Journal of Environmental Protection (JEP)

Journal Information

SUBSCRIPTIONS

The *Journal of Environmental Protection* (Online at Scientific Research Publishing, <https://www.scirp.org/>) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 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 © 2025 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 © 2025 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: jep@scirp.org



Journal of Environmental Protection (JEP)

ISSN: 2152-2197 (Print) ISSN: 2152-2219 (Online)

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

JEP is an international refereed journal dedicated to the latest advancements in Environmental Protection. The goal of this journal is to keep a record of the state-of-the-art research and promote the research work in these fast moving areas.

Editors-in-Chief

Prof. Thangarasu Pandiyan

National Autonomous University of Mexico (UNAM), Mexico

Prof. Qingren Wang

University of Florida, USA

Subject Coverage

This journal invites original research and review papers that address the following issues in Environmental Protection. Topics of interest include, but are not limited to:

● Air pollution and air quality

Air pollution monitoring and modeling
Air pollution prevention and control
Air quality measurement and management
Sources of air pollution
Urban/indoor air pollution and control

● Environmental pollution and public health

Chemical pollutants and its effects on health
Effects of air pollution on public health
Food and drug safety control
Global climate changes and human health
Land pollution and its effects on health

● Ecosystem restoration, toxicology and sustainability

Ecosystem restoration
Environmental toxicology
Greenhouse gas emission monitoring and solutions
Hazardous materials management
Radiation safety in atomic industry
Solid waste management
Sustainable development of environment and ecosystem

● Hydrology and water quality

Ground water pollution control
Hydrobiology and water pollution
Methods of monitoring water quality
Modeling and measuring of water pollution

● Wastewater treatment and utilization

New wastewater treatment technologies
New water purification technologies
Purification of drinking-water supplies
Treatment, disposal and discharge of wastewater

● Environment assessment and policy

Environmental impact assessment
Environmental policy
Risk assessment of contaminated environments
Water resources and quality assessment
Water resource protection 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 **JEP**.

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/jep>

E-mail: jep@scirp.org