

ISSN: 2164-2648 Volume 14, Number 4, December 2024



Advances in Infectious Diseases



ISSN: 2164-2648



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

Journal Editorial Board

ISSN 2164-2648 (Print) ISSN 2164-2656 (Online)

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

Editor-in-Chief

Prof. John T. Nwangwu

Southern Connecticut State University, USA

Associate Editor

Dr. Guozheng Wang

University of Liverpool Institute of Infection and Global Health, UK

Editorial Board

Dr. Syed Habib Bokhari

Comsats Institute of Information Technology, Pakistan

Prof. Sang Ho Choi

Seoul National University, South Korea

Prof. Daniel Y. C. Fung

Kansas State University, USA

Prof. Michal Holub

Charles University in Prague, Czech Republic

Prof. Zhiyong Hong

University of Ottawa, Canada

Dr. Nahed A. G. Al Laham

Al Azhar University-Gaza, Palestine

Dr. Francisca Mutapi

University of Edinburgh, UK

Dr. Giacomo Maria Paganotti

University of Rome “La Sapienza”, Italy

Dr. Vamsi Parini

Northwestern University, USA

Dr. Zhiqiang Qin

Medical University of South Carolina, USA

Table of Contents

Volume 14 Number 4

December 2024

Could the Increased Consumption of Azithromycin during the COVID-19 Pandemic Have Affected the Sensitivity of Bacteria of Aquatic Environment to This Antibiotic?

N. E. Claudine, T. M. Christine, A. N. G. Elna, E. E. Serge, L. B. Lucie, A. Jeanne, B. B. C. Félix645

Virological Failure among HIV Patients on the Antiretroviral Therapy (ART) in N'Djamena (Chad)

H. M. Ali, S. I. Ahmat, A. Chatté, D. D. Mahamat, T. François, F. B. Chinka, N. Z. Aleyo, A. M. Ahmat, T. A. Abakar, Y. E. Hien, S. Aly659

Characteristics of Patients with COVID-19 at the Touba Ndamatou Public Health Hospital Establishment in the Medical Region of Diourbel

N. F. Ngom, D. Sow, F. A. Faye, A. Ndiaye, M. Gueye, O. Ka670

Artemether-Lumefantrine in the Treatment of Uncomplicated *Plasmodium falciparum* Malaria: Insights from the Clinical Evaluation of Two Generic Drugs: Artefan® and Coartem® in Côte d'Ivoire from 2018 to 2019

Y. T. Aba, K. D. Zika, M. T. Yapo, S. B. Assi, O. Touré, J.-M. Karidioula, T. L. N'Guessan, N. D. Kanga, E. Bissagnéné682

The Epidemiology of Tuberculosis in Western Sudan during the Sudan War 2023-2024

A. K. Y. Mohammed, M. K. A. A. Babker, E. D. M. Ahmed, H. A. Dafea, T. M. Adam, T. A. M. Monwer, M. K. E. M. Ahmed, E. H. M. Humida, M. E. H. Bahar, H. S. E. Elnour, T. E. M. Monawer, G. A. G. Saror, A. A. M. Ahmed, N. A. E. Salem, H. G. Ahmed691

High-Voltage Low-Frequency Electric Field Exposure as an Antiviral Strategy: Effects on Viral Infectivity and Host Cell Viability

V. Kriman702

Outbreak Investigation of Dengue in Byas Municipality, Tanahun, Gandaki Province, Nepal

R. Shrestha, A. Dawadi, G. Poudel, N. Magar, S. Kunwar, U. D.C., Y. Poudel, D. P. Paneru712

Epidemiological Aspects of Brucellosis in Saudi Arabia: A Narrative Review

A. H. AlQahtani, R. E. Zamzamy, S. M. Algarni, H. M. Qudsi, S. A. Alghamdi, E. L. Almohammadi723

The Health-Related Quality of Life of Chronic Hepatitis B Virus Carriers Admitted to Yalgado OUEDRAOGO University Hospital, from January 31 to May 31, 2022, Burkina Faso

A.-G. Sawadogo, A. R. Zongo, H. S. Ouedraogo, B. M. A. Djibo, N. M. S. Zombré, L. J. E. Ky, A. Sessouma, R. W. A. I. Sawadogo, S. L. E. Pare, R. Sombié737

Influenza and Pneumococcal Vaccination Rates of Elderly and Eligible Adult Inpatients in a Tertiary Care Hospital in Oman

K. S. Hassan758

Prevalence of Tuberculosis and Evolution in Diagnostic Methods over the Last 10 Years in Burkina Faso

W. Y. A. Sana, T. Sagna, I. M. A. Traore, A. Ky Ba, F. Gueye Tall, J. Simpoire.....765

Uptake of Intermittent Preventive Treatment with Sulfadoxine-Pyrimethamine (IPTp-SP) in Pregnancy and Associated Factors in a Malaria Endemic Setting of Sub-Saharan Africa

M. U. Ajonina, I. U. Ajonina-Ekoti, J. Ngulefac, S. E. Fosah, K. B. Ware, C. M. Nche, C. K. Nfor, M. Ayim, T. O. Apinjoh.....776

Diagnostic and Treatment Strategies for Acute Febrile Illnesses (AFIs)

A. Undrakonda, T. Oroszi793

Evaluation of the Diagnostic Capacity of Malaria by XN-31 Automate at Cotonou in an Endemic Area of Benin, West Africa

T. F. Tokponnon, R. Ossè, Y. E. Denon, I. J. Gounou Yerima, F. Houessinon, B. Agassounon, T. Legba, A. Kpemasse, M. F. Dagbadji, G. G. Padonou, M. Akogbeto810

The Role of Oral Chloroquine Treatment in the Home-Based Management of Childhood Malaria in Jos, Nigeria: Biochemical, Hematological, Nutritional, and Co-Infection Perspectives

S. A. Olomu, S. Y. Gazuwa, T. Johnson, S. N. Okolo.....822

Analysis of HTLV Infection Status among Voluntary Blood Donors in Yulin City

X. F. Mao, R. Ren, Y. M. Tan, F. P. Chen, X. F. Du, Z. C. Gu.....838

Epidemiological Study of Intestinal Parasitosis at the Albert Royer National Children's Hospital

C. B. Fall, B. Senghor, I. A. Manga, S. Lélo, C. P. Minlekib, K. Sylla, M. Ndiaye, D. Sow, R. C. Tine, F. Babacar ...847

Cross Contamination in Oral Health Care: A Potential Public Health Risk

H. H. Alaoui, A. Gharibi, M. Timinouni, N. Zaim857

Prevalence of Malaria Parasites among Febrile Patients in a Teaching Hospital in South East Nigeria

F. E. Ehidihamhen, R. C. Ibegbulem, I. C. Nweke, C. N. Akujobi, A. J. Nwandibia, A. O. Afam, D. K. Istifanus, K. E. Etu, E. O. Peter, O. F. Idenyi, R. U. Ugwuanyi, C. G. Chukwu873

Advances in Infectious Diseases (AID)

Journal Information

SUBSCRIPTIONS

The *Advances in Infectious Diseases* (Online at Scientific Research Publishing, <https://www.scirp.org/>) is published quarterly 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 © 2024 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 © 2024 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: aid@scirp.org



Call for Papers

Advances in Infectious Diseases

ISSN 2164-2648 (Print) ISSN 2164-2656 (Online)

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

Advances in Infectious Diseases is an international journal dedicated to the latest advancements in infectious diseases. The goal of this journal is to provide a platform for researchers and academics all over the world to promote, share, and discuss various new issues and developments in infectious diseases related problems.

Editor-in-Chief

Prof. John T. Nwangwu

Southern Connecticut State University, USA

Associate Editor

Dr. Guozheng Wang

University of Liverpool Institute of Infection and Global Health, UK

Editorial Board

Dr. Syed Habib Bokhari

Prof. Sang Ho Choi

Prof. Daniel Y. C. Fung

Prof. Michal Holub

Prof. Zhiyong Hong

Dr. Nahed A. G. Al Laham

Dr. Francisca Mutapi

Dr. Giacomo Maria Paganotti

Dr. Vamsi Parini

Dr. Zhiqiang Qin

Comsats Institute of Information Technology, Pakistan

Seoul National University, South Korea

Kansas State University, USA

Charles University in Prague, Czech Republic

University of Ottawa, Canada

Al Azhar University-Gaza, Palestine

University of Edinburgh, UK

University of Rome "La Sapienza", Italy

Northwestern University, USA

Medical University of South Carolina, USA

Subject Coverage

All manuscripts must be prepared in English and are subject to a rigorous and fair peer-review process. Generally, accepted papers will appear online within 3 weeks followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

- Diarrheal Diseases
- Emerging Infectious Diseases
- Epidemiology and Infection
- Fungal Infection
- Global Infectious Diseases
- Hepatitis B
- HIV/AIDS
- Hospital Infection
- Immunology, Microbiology and Infectious Diseases
- Infection and Chemotherapy
- Infection and Public Health
- Infection Control
- Infection Prevention
- Infection, Genetics and Evolution
- Infectious Agents and Cancer
- Infectious Diseases in Obstetrics and Gynecology
- Lower Respiratory Infections
- Maladies Infectiousness
- Malaria
- Measles
- Meningitis
- Microbes and Infection
- Ophthalmic Inflammation and Infection
- Pediatric Infectious Diseases
- Pertussis
- Syphilis
- Tetanus
- Transplant Infectious Disease
- Travel Medicine and Infectious Disease
- Tropical Diseases
- Tuberculosis

We are also interested in: 1) Short reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book reviews—Comments and critiques.

Website and E-Mail

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

E-mail: aid@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



**Scientific
Research
Publishing**

Website: <https://www.scirp.org>

Subscription: sub@scirp.org

Advertisement: service@scirp.org