

ISSN: 2327-5081 Volume 12, Number 10, October 2024



Journal of Biosciences and Medicines



ISSN: 2327-5081



9 772327 508002 10

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

Journal Editorial Board

ISSN 2327-5081 (Print) ISSN 2327-509X (Online)

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

Editor-in-Chief

Prof. Ahsan Jamil Kazi

Universiti Teknologi, Malaysia

Editorial Board

Dr. Laura Ciapponi

Sapienza University of Rome, Italy

Prof. Hülya Cicek

School of Medicine Gaziantep University, Türkiye

Prof. Jade Q. Clement

Texas Southern University, USA

Prof. Maxim Crasta

Lake Erie College of Osteopathic Medicine, USA

Dr. Gokul C. Das

Baylor College of Medicine, USA

Prof. Afaf K. El-Ansary

King Saud University, Saudi Arabia

Prof. Dayong Gao

University of Washington, USA

Prof. Loris Grossi

Università di Bologna, Italy

Prof. Crystell Guadalupe Guzmán-Priego

Universidad Juárez Autónoma de Tabasco, Mexico

Prof. William Edward Hammond

Duke University, USA

Dr. Christer Jansson

Lawrence Berkeley Natl. Lab, Sweden

Dr. Ilya Klabukov

National Medical Research Radiological Center, Russia

Dr. Satish Kumar

University of Texas Rio Grande Valley, USA

Dr. Igor Malyshev

Moscow State University of Medicine and Dentistry, Russia

Dr. Roberto Manfredi

University of Bologna, Italy

Prof. Merlyn Sedano Mendioro

University of the Philippines Los Banos, Philippines

Dr. Lisa M. Minter

University of Massachusetts/Amherst, USA

Prof. Jean Marie Rodrigues

Université Jean Monnet Saint Etienne, France

Prof. Golder N. Wilson

TTUHSC, USA

Dr. Xiangru Xu

Yale University, USA

Prof. Gang Yang

Zhuji Affiliated Hospital of Shaoxing University, China

Dr. Barbara Zavan

University of Padova, Italy

Table of Contents

Volume 12 Number 10

October 2024

Profiling of the Retrospective Epidemiology of the Human Papillomavirus and Related Cancers in the United Arab Emirates Population

I. Mahasneh, B. Abumusimir, M. Enaji, I. Taibi, F. Ebrahim 1

Correlation between TG/HDL-C Ratio and Sarcopenia in Middle-Aged and Elderly People in Southwest China

L. Hou, G. W. Huang, Y. Hu, C. Y. Zhao, J. T. Wei, M. Q. Lu, J. H. Wang, C. Y. Yang..... 10

The Diagnostic Validity of Preterm Delivery in Adolescent Girls Based on Neonatal Clinical Assessment

J. D. Lukangi, J.-J. J. Sihalikyolo, J.-D. B. Nguma, P. O. Ndjadi, L.-A. Burubu, G. K. Bosunga, A. M. O'yandjo 20

Identification of FDA-Approved Drugs as Modulators of Multidrug Resistance Protein 2 (MRP2/ABCC2) Expression Levels in MRP2-Overexpressing Cells: Preliminary Data

V. O. Poku, S. H. Iram 32

Hepatitis B Vaccination Coverage among University Students in Sub-Saharan Africa: Systematic Review and Meta Analysis

L. Togtoga, A. Ndong, S. Bah, P. D. Ndoye, K. Niang..... 45

Research Progress on Healing Mechanism of Diabetic Foot Ulcer

H. Y. Zeng, Q. Tang 59

Progress in the Study of Esophageal Heterotopic Gastric Mucosa

Y. W. Xie, C. X. Zou..... 65

Progress in the Early Mobilization of Patients after Cardiac Intervention

J. Zhou, H. Zhou..... 73

Current Status of Congenital Toxoplasmosis in Brazzaville, Republic of the Congo

M. Miyouna Mayela, F. Dongui, N. Moyon, F. Kipounga, R. Moyon 85

Endogenous Endophthalmitis as a Triggering Factor for Fatal Bacterial Meningitis Caused by *Streptococcus pneumoniae*: A Case Report

D. F. Ortiz-Pérez, M. E. Montoya-Jaramillo, J. P. de la Ossa Díaz, N. V. Benavides-Garzón,
L. A. Martínez-Aguilera, L. M. Orozco-Pabón, S. J. González-Manzur, V. S. Márquez-Camacho,
M. G. Tordecilla-Castro, G. A. G. Barros, J. S. Osorio-Muñoz..... 97

Development and Innovation of Modern Microvascular Anastomoses

M. F. Wang, H. B. Guo, G. X. Zhang, P. Ruan, K. K. Zhi 105

Pharmacokinetics and Bioequivalence Comparison of Two Fixed-Dose Combination of Rosuvastatin/Ezetimibe Formulations: A Randomized, Crossover, Open-Label Study in Healthy Volunteers

J. G. Chacón, E. Peña, A. Inatti 119

Betamethasone Dipropionate Loaded in Nanoliposomes vs Conventional Betamethasone Dipropionate: Comparative Study of Permeability and Penetrability *in Vitro* and *ex Vivo*

C. Rodriguez, A. Camino, A. Taly, E. Peña, A. Inatti, X. Serrano 140

A Large, Inflamed Knee, Pulling down the Wolf Mask

B. M. Diallo, J. N. Ndour, N. M. Baba, F. A. Faye, Y. Ndiaye, A. Wade, N. Nandong, S. A. K. Mbaye, A. Berthé, P. S. Touré, M. M. Diop, M. M. Ka 157

The Value of $\gamma\delta$ T Cells in Lung Infections and Advances in Diagnosis and Treatment

J. Y. Xiao, W. Wang, Y. Q. Weng 164

Predictions in Clinical Efficiency of SARS-CoV-2 RNA-Dependent RNA Polymerase (RdRp) Inhibitors by Molecular Docking

P.-J. Tsai 178

2024: Is There a Place for Freedom of Choice about Vaccination Based on Messenger RNA?

F. S. Neves 197

Assessment of Awareness and Understanding of Hemolytic Disease of the Fetus and Newborn in the Beninese Population

D. Danhouegnon, J. A. G. Segbo, H. B. M. Gbenahou, M. A. D. F. Migan, A. F. E. Adjatan, A. Yessoufou, C. D. Akpovi 212

Lentivirus Transduced T Cell Lines Response to Pro-Inflammatory and Antiviral Cytokines in the Presence of HIV

K. Ventocilla, D. Miranda Jr., D. J. Sanchez 222

Comparison of Genomes of the *Hepadnaviridae* Family

M. F. de Andrade Souza, G. N. Mergulhão, S. J. T. de Andrade, R. E. de Lima Procópio 236

The Role of Toll-Like Receptors and Nuclear Factor κ B p65 Protein in the Pathogenesis of Otitis Media

Q. C. He, Y. B. Zhu, B. Qiang 246

Changing Nasopharyngeal Carcinoma Survival in Southern China during 2000-2015: Results of a Retrospective Cohort Study

X. Zhou, H. Zheng 258

Mendelian Randomization Study of Causal Relationship between Inflammatory Factors and Vascular Dementia and Chinese Herbal Medicines Screening for Prevention and Treatment

J. Z. Zhang, W. Chen, G. F. Zhuo, C. Yao, M. Y. Su, B. M. Yuan, X. M. Zhu, Z. Z. Zhou, F. Y. Lei, Y. L. Fu, L. Wu 270

Antibiogram of Bacteria Isolated from Tuberculosis Patients Attending Hospital within Izzi-Abakaliki in Ebonyi State

E. N. Onu, D. C. Ilang, C. I. Azi, T. O. Eze, C. O. Akpa, O. E. Ogbonna, S. E. Agada, O. O. Kelechi-Mathew, M. C. Onwe 285

A Preliminary Mechanism Study on the Treatment of Rabbit Bone Defect Bone Nonunion with Xuduan Jiegu Decoction

Z. P. Lin, K. H. Zheng, D. R. Nie, H. Q. Ye, H. J. Zhang, L. F. Tang, Z. Dong 297

Effects of Intermittent Hypoxia Exposure on Symptoms of Chronic Fatigue Syndrome in Repeated Restraint Stress and Forced Swimming Induced-Mouse Model

P. R. Mabounda Kouna, Y. J. Zhang, H. X. Wang, R. Wang, P. J. Chen 304

Acyclovir-Loaded Solid Lipid Nanoparticles: A Permeation and Penetrability Study

A. Taly, A. Camino, C. Rodriguez, E. Pena, A. Inatti, X. Serrano 316

Gait Kinematic Analysis Facilitates Rapid Early Recovery Following Total Knee Arthroplasty

S. L. Liu, Z. Y. Cao, S. J. Lan, C. J. Zhang, L. Pan, W. J. Luo, J. Li 328

Research Progress of Systemic Immune Inflammatory Index in Prostate Cancer

Z. W. Zhao, S. P. Cheng 339

Phytochemical Studies, Antimicrobial and Anti-Inflammatory Properties of the Hydroethanolic Extract of *Kalanchoe pinnata* (Lam.) Pers. from Togolese Flora

L. Gbati, Y. Hoinsou, F. C. Koula, A. Alognon, M. E. S. Montant, S. Poli, T. Doumougue, G. A. Toudji, E. H. Gbekley, B. Djeri, A. Diallo, D. S. Karou 349

Dietary Surveys Carried out among Diabetic Patients Hospitalized in the Metabolic and Endocrine Diseases Department of the C.H.U-B

L. R. Miamb, B. Mikolo, M. A. Ntsan, B. M. L. Peneme, A. W. Etou Ossib 361

Journal of Biosciences and Medicines (JBM)

Journal Information

SUBSCRIPTIONS

The *Journal of Biosciences and Medicines* (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 © 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: jbm@scirp.org

Call for Papers



Journal of Biosciences and Medicines

ISSN 2327-5081 (Print) ISSN 2327-509X (Online)
<https://www.scirp.org/journal/jbm>

Journal of Biosciences and Medicines is an international journal dedicated to the latest advancement in biosciences and medicines. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of biosciences and medicines. All manuscripts must be prepared in English and are subject to a rigorous and fair peer-review process. 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:

- Biochemistry
- Cancer Research
- Cardiovascular Research
- Cell and Molecular Biology
- Computation Genetics
- Ethics and Government
- Gene Therapy
- Genetic Counseling
- Genetics
- Immunology
- Medical Research
- Microbiology/Virology
- Molecular Diagnostics
- Nanotechnology and Biomedicine, including the Use of Viruses
- Neurology/Neuroscience
- Oncogenetics
- Pathology
- Pharmacology and Toxicology
- Physiology/Biophysics
- Stem Cell Research and Biomedicine, including Diabetes, Cardiovascular Disease, Spinal Cord Injuries, Dementia, Parkinson's Disease, Organ Transplantation
- The Use of "Rational Drug Design" Investigation

Website and E-mail

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

E-mail: jbm@scirp.org