

ISSN: 2327-5081    Volume 13, Number 12, December 2025



# Journal of Biosciences and Medicines



ISSN: 2327-5081



<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

**Prof. Joaquim Carreras**

Tokai University, Japan

**Dr. Laura Ciapponi**

Sapienza University of Rome, Italy

**Prof. Hülya Cicek**

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**

Pacific Northwest National Laboratory, USA

**Prof. Satish Kumar**

University of Texas Rio Grande Valley, USA

**Dr. Igor Malyshev**

Institute of General Pathology and Pathophysiology RAMS,  
Russia

**Prof. Roberto Manfredi**

University of Bologna, Italy

**Prof. Merlyn Sedano Mendiore**

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

**Prof. Barbara Zavan**

Ferrara University, Italy

# Table of Contents

**Volume 13    Number 12**

**December 2025**

**The Impact of McMaster Model Family Intervention on Self-Efficacy, Psychological Well-Being, and Quality of Life in Patients with Advanced Liver Cancer**

Z. Liu, J. Tan, Y. Y. Luo, X. L. Lin ..... 1

**Clinical Analysis of Flexible Negative Pressure Suction Sheath Combined with Ureteroscope in the Treatment of Renal Calculi**

A. Ding, J. M. Zeng ..... 10

**Sarcopenic Obesity and Hormones: A Narrative Review**

D. Yu, B. Zhou ..... 18

**Exploring the Efficacy of Repetitive Transcranial Magnetic Stimulation in Treating Vestibular Migraine and Its Clinical Prospects**

J. L. Wang, L. Zhang, T. Yang, X. Liu, Y. Wang ..... 36

**Analysis of Factors Influencing Peripheral Arterial Catheter Dysfunction in ICU Patients**

P. Wang, Y. R. Ren, L. Zeng ..... 49

**Frontiers in Radiologic Imaging Techniques for Visualizing Protein Metabolism: A Focus on Hepatocellular Carcinoma**

Y. R. Ren, X. R. Yu ..... 60

**Research on the Construction and Application of Communication Protocols for the Transfer of Critically Ill Cancer Patients in ICU under the Background of MEWS Early Warning Score**

Y. Y. Chen, Q. Y. Guan, W. T. Zhang, X. H. Ren, X. P. Ma, S. Y. Yang, Y. Yang ..... 74

**Surgical Site Infection in the Surgery Department of the University Clinics of Kisangani: Epidemiological, Bacteriological, and Antibiotic Resistance Aspects**

A. B. Dianaben, F. K. Ciamala, F. P. Mawa, R. M. Tshiyombo, M. K. Madibulaya, R. A. Kitoko, F. W. W'Ifongo, F. A. Bekale, J.-M. V. T. Kabangu ..... 94

**Effect of Post-Production Handling Practices (Whey and Water Dipping) on the Microbial and Sensory Quality of Wagashi Cheese Sold in Gogounou**

P. U. Tougan, L. Sale, F. Y. O. Akpo, L. Atchade, R. A. Tohozin, D. Dohonou, Y. D. Gatta, A. Sinabaragui, R. S. Ahouanto, B. Gounou N'gobi ..... 108

**Ozone Therapy in Dentistry: A Literature Review**

S. Mahboub, F. Rhrich Haddout ..... 122

### **Giant Salivary Lithiasis: About a Clinical Case**

Y. Naji, I. Hamdane, M. Khazana, I. Benyahya..... 143

### **Involvement of Polymorphisms of the Interleukin 17A (rs2275913) and 17F (rs763780) Genes in the Development of Cervical Cancer and HPV Infection in Two West African Countries**

M. A. E. Traoré, A. Bambara, Z. Douamba, P. Zabré, M. A. Sétor, T. M. Zohoncon, A. P. Sorgho, T.-W. C. Ouédraogo, P. Bado, A. K. Ouattara, A. T. Yonli, S. D. Karou, C. Ouédraogo, F. W. Djigma, J. Simporé..... 150

### **Urogenital Findings in Ehlers-Danlos Syndrome Correlate with Underlying Tissue Laxity Mechanisms**

S. S. Tonk, G. N. Wilson..... 166

### **Research Progress on Antibiotic-Associated Hemorrhagic Colitis**

M. Y. Zhang, K. R. Xu..... 182

### **Progress in Visual Quality Evaluation after Cataract Surgery**

Y. Long, J. H. Wang ..... 193

### **Endothelial Adhesion Molecules as Early Predictors of Metabolic Syndrome in Young Adults**

S. C. Sigrist-Flores, M. Espinoza-Camacho, A. R. Méndez-Cruz, J. R. Jiménez-Flores, R. Villalobos-Molina, I. A. Gallardo-Ortiz ..... 210

### **Treatment of Moderate to Severe Hypokalemia in Patients Undergoing Peritoneal Dialysis by Intraperitoneal Administration of a Hyperkalemic Dialysate**

K. S. Mavromatidis, A. K. Georgoulidou, G. V. Romanidou, B. N. Kiamiloglou, I. M. Kalogiannidou, A. V. Bakaloudis ..... 224

### **Assessment of Knowledge and Practices Regarding Root Resorptions: A Cross-Sectional Study of Dental Practitioners in the Casablanca-Settat Region**

A. Jermoumi, G. Hilali, I. Bazi, F.-Z. Rouggani..... 235

### **Exploring the Molecular Mechanisms of Yinqiao Shihu Decoction in the Treatment of Hepatocellular Carcinoma Based on Network Pharmacology, Molecular Docking, and Single-Cell Sequencing Analysis**

Y. Z. Yang, Y. L. Li, X. H. Chen, X. L. Shang, J. Tang, L. H. Jiang..... 247

### **Receptors Associated with Sexual Dimorphism in Pain Expression in Rodents**

A. Crisóstomo-Jiménez, A. P. Alvarez-Bosada, V. Granados-Soto, M. J. Escoto-Rosales, J. M. Pizaña-Encarnación, C. G. Guzman-Priego, J. A. Albarrán-Melzer..... 267

### **Research Progress on MAZ in Malignant Tumors**

Y. X. Zhang, Y. Qin, F. Gao, H. H. Shen, S. Y. Hou, M. X. Zhang, H. M. Wu, L. F. Mo ..... 287

### **Exploration and Practice of a New Teaching Model for Diabetes Health Education**

J. J. Xiang..... 305

**Analysis of the Achievement of Target Plasma Concentrations and Its Influencing Factors during Piperacillin-Tazobactam Treatment in Elderly Patients with Severe Pneumonia**

L. He, Q. Cao, C. Wei, S. J. Chen..... 313

**Evaluation of Periodontal Biotype in Relation to Skeletal Malocclusions**

O. Rodríguez Pulido, M. A. López Alvarado, L. Carranza Torres, L. V. Limonchi Palacio,  
C. De la Cruz González, E. Pérez Frías..... 322

**The Selection Principles and Clinical Application of the Eight Confluent Points in the Treatment of Emotional Disorders within Fu Wenbin's Integrated Acupuncture System**

S. J. Wang, L. Tong, W. B. Fu, G. X. Ye ..... 333

**Knowledge, Attitudes, and Practices regarding Malaria Prevention among Pregnant Women Attending Antenatal Consultations at the Hospital De L'Amitié Sino-Gabonese in Franceville, Gabon**

S. Maghendji-Nzondo, J. M. Eko Mba, E. Ibinga, A. Akomo Ossazeh, B. J. Lendongo-Wombo,  
I. Pegha-Moukandja, E. B. Ngougou, J. B. Lekana-Douki ..... 347

**Prevalence and Vaccination Status of Hepatitis B among HIV-Infected Patients in N'Djamena, Chad**

H. T. Abakar, A. O. Mahamat, D. Ferdinand, Y. A. Ireboy, L. Djonkreo, M. A. Aoudjali,  
Z. A. Nodjikoumbaye, A. M. Ahmat, A. B. Tormalta, H. Manah, M. T. N. Hassan,  
A. T. Djibangar, A. M. Moussa, A. A. Fouda, A. Chatté ..... 362

**Conversion Therapy and Liver Regeneration in Liver Cancer**

X. Q. Wu ..... 374

**Impact of Sugar on the Mechanical Properties of Red Blood Cells Assessed by Optical Tweezers**

P. Yale, A. A.-B. N'Guessan, G.-O. Regnima, J. M. E. Konin, H. J. K. Loukou,  
M. A. Kouacou, J. T. Zoueu..... 386

**Phytochemical Screening and Antibacterial Activity Evaluation of Seed Oils from *Tylosema esculentum*, *Schinziophyton rautanenii*, *Bauhinia petersiana*, and *Citrullus lanatus* (Thunb.) Mansf. in Botswana**

M. G. Bathophi, F. Bwacha, B. S. Phirinyane, O. Tibe, E. Molojwane, R. I. Kobue-Lekalake,  
O. K. Matenanga, B. Sekwati-Monang, G. Bultosa, E. Seifu, M. Molapisi, J. Gwamba, K. Sonno,  
G. Mokhawa, T. Phakama, M. D. Setlhoka, G. D. Haki ..... 394

# 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](mailto:sub@scirp.org)

### SERVICES

#### Advertisements

Advertisement Sales Department, E-mail: [service@scirp.org](mailto:service@scirp.org)

#### Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: [sub@scirp.org](mailto: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: [jbm@scirp.org](mailto: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](mailto:jbm@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](mailto:sub@scirp.org)**

**Advertisement: [service@scirp.org](mailto:service@scirp.org)**