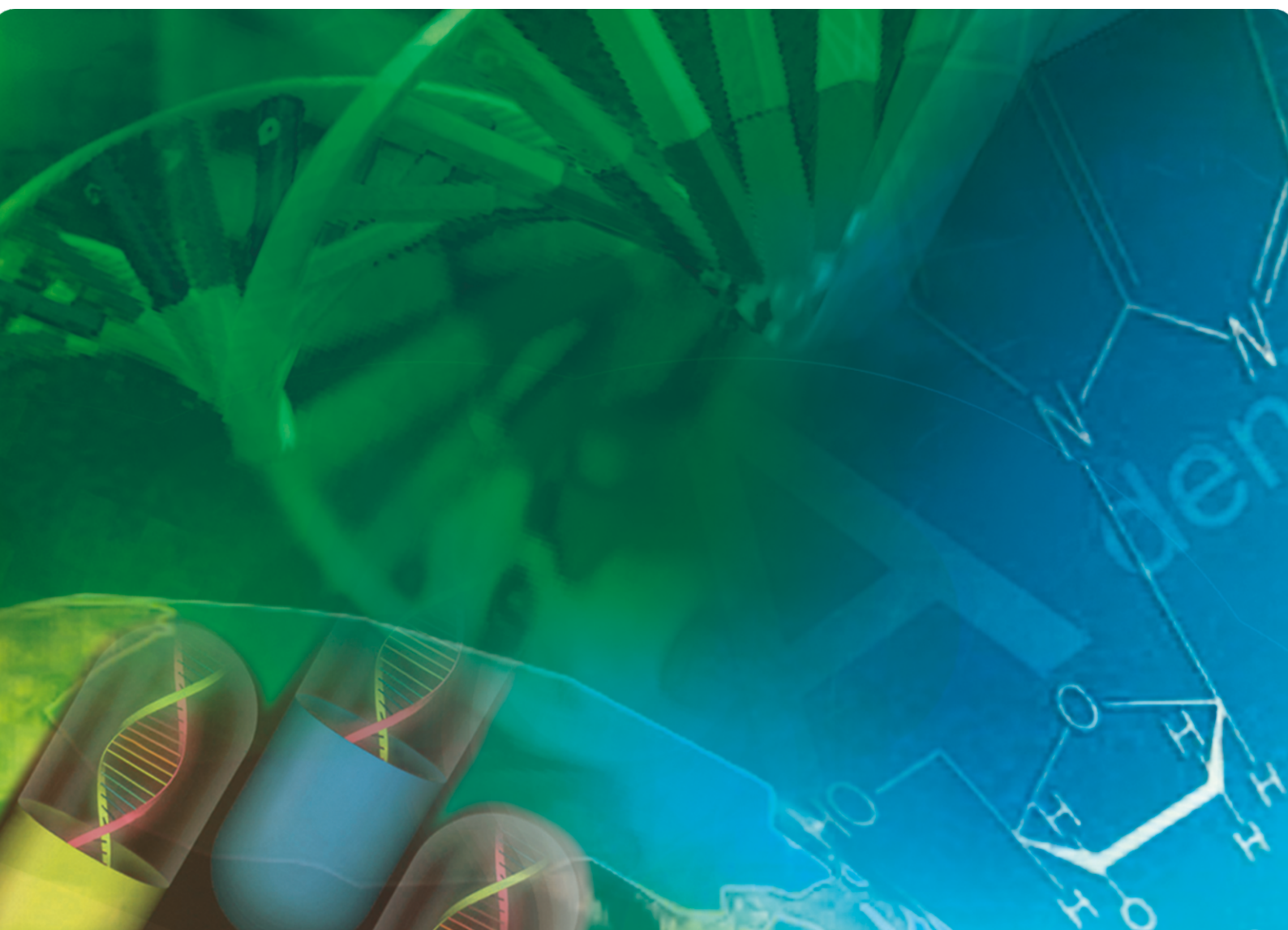


ISSN: 2161-6620 Volume 15, Number 1, January 2025



American Journal of Molecular Biology



ISSN: 2161-6620



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

Journal Editorial Board

ISSN Print: 2161-6620 ISSN Online: 2161-6663

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

Editorial Board

Prof. Hülya Çiçek	School of Medicine Gaziantep University, Türkiye
Dr. Eran R. Andrechek	Michigan State University, USA
Dr. Goutam Biswas	Cooch Behar Panchanan Barma University, India
Prof. Richard A. Cardullo	University of California, USA
Dr. Yangchao Chen	Chinese University of Hong Kong, China
Prof. Yi-Han Chen	Tongji University, China
Prof. James CS Chim	University of Hong Kong, China
Dr. François-Xavier Claret	University of Texas, USA
Dr. Mei-Zhen Cui	University of Tennessee, USA
Dr. J. Nathan Davis	Quinnipiac University, USA
Dr. Dhruv Nitinkumar Desai	University of Pennsylvania, USA
Prof. Emmanuel Dias-Neto	AC Camargo Hospital, Brazil
Dr. Steven N. Fiering	Dartmouth Medical School, USA
Prof. Kun He	Monsanto Company, USA
Dr. Liping Huang	USDA/ARS/Western Human Nutrition Research Center, USA
Prof. Cizhong Jiang	Tongji University, China
Prof. Peng Lee	New York University, USA
Prof. Lian Li	Emory University, USA
Prof. Manoel Lima	Instituto Aggeu Magalhães, Brazil
Prof. Shu-Lin Liu	Harbin Medical University, China
Prof. Yuin-Han Jonathan Loh	Children's Hospital Boston, USA
Dr. Jianxin Ma	Purdue University, USA
Prof. Azzam A. Maghazachi	University of Oslo, Norway
Dr. Murali K. Mamidi	University of Oklahoma, USA
Dr. Hengye Man	Boston University, USA
Prof. Jacques E. Nör	University of Michigan, USA
Prof. John S. O'Neill	University of Cambridge, UK
Prof. Giulio Maria Pasinetti	Mount Sinai School of Medicine, USA
Dr. Vickas V. Patel	University of Pennsylvania, USA
Dr. Manuel Narváez Peláez	University of Málaga, Spain
Dr. Rosario Osta Pinzolas	University of Zaragoza, Spain
Prof. Bimal K. Ray	University of Missouri-Columbia, USA
Dr. Elias Said	Sultan Qaboos University, Oman
Dr. Subha Sen	University of California, USA
Dr. Honglian Shi	University of Kansas, USA
Dr. Vikas Vikram Singh	Kansas University Medical Center, USA
Dr. Teruko Taketo	McGill University, Canada
Dr. Tzung-Dau Wang	National Taiwan University, China
Prof. David S. Waugh	NCI-Frederick, USA
Dr. Jian-Jun Wei	Northwestern University, USA
Prof. Gayle E. Woloschak	Northwestern University, USA
Prof. Xiang-Qun (Sean) Xie	University of Pittsburgh, USA
Dr. Wenhao Zhang	Harvard Medical School, USA
Dr. Yunfeng Zhao	LSU Health Sciences Center, USA
Dr. Jing Zheng	Northwestern University, USA

Table of Contents

Volume 15 Number 1

January 2025

DNA Analysis in Criminal Investigations in Burkina Faso, West Africa

M. Millogo, S. T. Soubeiga, B. V. Bazie, T. M. Zohoncon, A. K. Ouattara, A. T. Yonli, J. Simporé 1

Genotypic Distribution of the Human Papillomavirus among Women with Cervical Cytological Abnormalities at the Sourô SANOU University Hospital in Bobo-Dioulasso, Burkina Faso

P. Zabré, T. Sagna, V. Konsegré, A. Traore, S. Tuina, A. Sana, A. A. Zouré, W. F. Djigma, I. Tiendrebeogo, P. Bado, T. E. Yelemkoure, M. Kabre, K. Cisse, A. T. Yonli, H. G. Ouedraogo, J. Simporé..... 11

Cytotoxicity and Hepatic Effects *in Vivo* of the Phytomedicinal Antipalu Used by the Population of Abidjan

K. S. Kouassi, A. E. Ayebe, I. L. B. E. Kamo, D. Kamagate, O. I. Soro, G. A. Bahi, A. J. Djaman 25

***In Vivo* Subacute Liver Toxicity of “Attoté”: A Herbal Drink**

K. S. Kouassi, I. L. B. E. Kamo, A. E. Ayebe, G. F. Blimne, O. I. Soro, A. J. Djaman 39

Genotypic Profiling and Clinical Impact of *Helicobacter pylori* Virulence Genes (*GLM*, *HPU*, *VacA*, *CagA*, and *IceA*) in Gastroduodenal Diseases among Libyan Patients

A. M. Al-Farjany, M. W. El-Awamie, N. A. Elsharif, O. S. Alqabbasi, W. A. Alhawari, F. I. E. Najem, T. S. Bader, F. A. Bleiblo 53

Molecular Identification of *Echinococcus* spp. and Other Taeniid Tapeworms Using Next-Generation Sequence Analysis of PCR Amplified 18s rRNA Gene

R. Abu-Helu, G. Kokaly, S. Nojoum, I. Matouk, M. Ibrahim, I. Abbasi 75

Telomeres: The Promise of New Cancer Therapies

R. Hou, J. J. Darrow 88

Investigating Biological Relationships in Burkina Faso Using DNA Testing

B. V. E. J. T. Bazie, M. Ouattara, S. T. Soubeiga, A. A. Zoure, P. Bado, A. Sorgho, T. I. Kiendrebeogo, L. Traore, S. Sawadogo, L. Zongo, T. M. Zohoncon, F. W. Djigma, T. A. T. Yonli, M. Sanou, J. Simporé 97

The Impact of PCSK9 on Risk Factors for Ischemic Stroke and Potential Mechanisms

Z. H. He, M. T. Lu, Z. J. Ding, Z. W. Chen, T. Y. Guan, Z. L. Li, C. Zhou, H. Q. Tao, G. S. Cheng, Y. Liu 110

Molecular Diagnosis of Sexually Transmitted Infection Reveals a High Frequency of *Neisseria gonorrhoeae* Infection among Male Urethritis Patients and Highlights the Usefulness of Molecular Testing for Clinical Diagnosis in Burkina Faso

M. K. Gomgnimbou, A. Da, L. R. W. Belem, K. Gnada, K. R. Yao, A. Q. Sanou, A. M. Sanou,

S. Sanou, D. Kania..... 123

American Journal of Molecular Biology (AJMB)

Journal Information

SUBSCRIPTIONS

The *American Journal of Molecular Biology* (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 © 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: ajmb@scirp.org

Call for Papers

American Journal of Molecular Biology (AJMB)

ISSN 2161-6620 (Print) ISSN 2161-6663 (Online)

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



American Journal of Molecular Biology (AJMB) is an international journal dedicated to the latest advancements of molecular biology. 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 molecular biology. 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.

Editorial Board

Prof. Hülya Çiçek
Dr. Eran R. Andrechek
Dr. Goutam Biswas
Prof. Richard A. Cardullo
Dr. Yangchao Chen
Prof. Yi-Han Chen
Prof. James CS Chim
Dr. François-Xavier Claret
Dr. Mei-Zhen Cui
Dr. J. Nathan Davis
Dr. Dhruv Nitinkumar Desai
Prof. Emmanuel Dias-Neto

Dr. Steven N. Fiering
Prof. Kun He
Dr. Liping Huang
Prof. Cizhong Jiang
Prof. Peng Lee
Prof. Lian Li
Prof. Manoel Lima
Prof. Shu-Lin Liu
Prof. Yui-Han Jonathan Loh
Dr. Jianxin Ma
Prof. Azzam A. Maghazachi
Dr. Murali K. Mamidi

Dr. Hengye Man
Prof. Jacques E. Nör
Prof. John S. O'Neill
Prof. Giulio Maria Pasinetti
Dr. Vickas V. Patel
Dr. Manuel Narváez Peláez
Dr. Rosario Osta Pinzolas
Prof. Bimal K. Ray
Dr. Elias Said
Dr. Subha Sen
Dr. Honglian Shi
Dr. Vikas Vikram Singh

Dr. Teruko Taketo
Dr. Tzung-Dau Wang
Prof. David S. Waugh
Dr. Jian-Jun Wei
Prof. Gayle E. Woloschak
Prof. Xiang-Qun (Sean) Xie
Dr. Wenhao Zhang
Dr. Yunfeng Zhao
Dr. Jing Zheng

The journal publishes original papers including but not limited to the following fields:

- Algorithms for Molecular Biology
- Biochemistry and Molecular Biology
- Biophysics and Molecular Biology
- Cellular & Molecular Biology
- Electrophoresis
- Gene Expression
- Genomics
- GH Family
- Insect Biochemistry and Molecular Biology
- Insect Molecular Biology
- Microbiology and Molecular Biology
- Molecular Biology and Evolution
- Molecular Biology of the Cell
- Molecular Biology Techniques
- Molecular Evolution
- Molecular Genetics
- Molecular Neuroscience
- Peptides
- Physiology and Molecular Biology of Plants
- Plant Molecular Biology
- Proteins
- Steroid Biochemistry and Molecular Biology

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.

Notes for Intending Authors

Submitted papers should not be previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. For more details, please access the website.

Website and E-Mail

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

E-mail: ajmb@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



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

Subscription: sub@scirp.org

Advertisement: service@scirp.org