

ISSN: 2164-5388 Volume 8, Number 1, January 2018



Open Journal of Biophysics

BIOPHYSICS

ISSN: 2164-5388



www.scirp.org/journal/ojbiphy

Journal Editorial Board

ISSN Print: 2164-5388 ISSN Online: 2164-5396

<http://www.scirp.org/journal/ojbiphy>

Associate Editors

Dr. Veysel Kayser	Massachusetts Institute of Technology, USA
Prof. Ganhui Lan	George Washington University, USA
Dr. Jaan Männik	University of Tennessee, USA
Prof. Sanbo Qin	Florida State University, USA
Dr. Bo Sun	Oregon State University, USA
Dr. Bin Tang	South University of Science and Technology of China, China

Editorial Board

Prof. Rabiul Ahasan	University of Oulu, Finland
Prof. Abass Alavi	University of Pennsylvania, USA
Prof. Chris Bystroff	Rensselaer Polytechnic Institute, USA
Dr. Luigi Maxmilian Caligiuri	University of Calabria, Italy
Prof. Robert H. Chow	University of Southern California, USA
Prof. Carmen Domene	University of Oxford, UK
Prof. Antonio José da Costa Filho	University of São Paulo, Brazil
Dr. John Kolega	State University of New York, USA
Prof. Pavel Kraikivski	Virginia Polytechnic Institute and State University, USA
Dr. Gee A. Lau	University of Illinois at Urbana-Champaign, USA
Prof. Yves Mély	Louis Pasteur University, France
Dr. Monalisa Mukherjea	University of Pennsylvania, USA
Dr. Xiaodong Pang	Florida State University, USA
Prof. George Perry	University of Texas, USA
Prof. Arthur D. Rosen	Indiana University, USA
Prof. Brian Matthew Salzberg	University of Pennsylvania, USA
Prof. Jianwei Shuai	Xiamen University, China
Prof. Mateus Webba da Silva	University of Ulster, UK
Prof. Alexander A. Spector	Johns Hopkins University, USA
Prof. Munekazu Yamakuchi	University of Rochester, USA
Prof. Salvador Ventura Zamora	Autonomous University of Barcelona, Spain

Table of Contents

Volume 8 Number 1

January 2018

Knowledge of Togolese Doctors on Biological Effects of Ultrasound and Their Attitudes towards the Ultrasonographic Explorations Performed in Lome (Togo)

K. Adambounou, E. H. A. L. Bathily, A. M. Y. Adigo, P. Gbandé, K. D. Bakpatina-Batako,
L. Sonhayé, T. L. Tapsoba, K. Adjenou.....1

Emergent Mitotic Chromosome Motions from a Changing Intracellular pH

L. J. Gagliardi, D. H. Shain.....9

On the Feynman Ratchet and the Brownian Motor

Gy. Vincze, Gy. P. Szigeti, A. Szasz.....22

Hyperthermia Dosing and Depth of Effect

O. Szasz, G. P. Szigeti, T. Vancsik, A. Szasz.....31

Open Journal of Biophysics (OBJIPHY)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Biophysics* (Online at Scientific Research Publishing, 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 © 2018 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 © 2018 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.

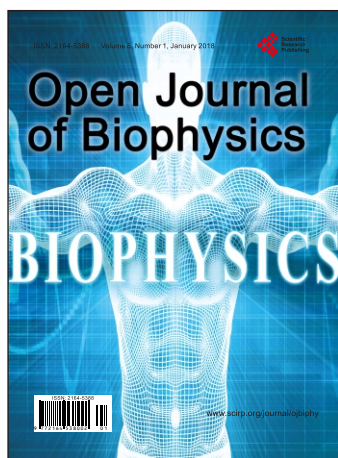
Disclaimer of liability

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: objiphy@scirp.org



Call for Papers

Open Journal of Biophysics

ISSN Print: 2164-5388 ISSN Online: 2164-5396

<http://www.scirp.org/journal/ojbiphy>

Open Journal of Biophysics (OJBIPHY) is an international journal dedicated to the latest advancement of biophysics. 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 biophysics.

Subject Coverage

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

- Bioelectromagnetics
- Bioenergetics
- Bioinformatics and Computational Biophysics
- Biological Imaging
- Biomedical Imaging and Bioengineering
- Biophysics of Disease
- Biophysics of Photosynthesis
- Cardiovascular Biophysics
- Cell Biophysics
- Medical Biophysics
- Membrane Biophysics
- Molecular Biophysics and Structural Biology
- Physical Methods
- Physiology and Biophysics of the Inner Ear
- Proteins and Nucleic Acids Biophysics
- Radiobiology
- Receptors and Ionic Channels Biophysics
- Sensory Biophysics and Neurophysiology
- Systems Biophysics
- Theoretical and Mathematical Biophysics

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 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

<http://www.scirp.org/journal/ojbiphy>

E-mail: ojbiphy@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: <http://www.scirp.org>

Subscription: sub@scirp.org

Advertisement: service@scirp.org