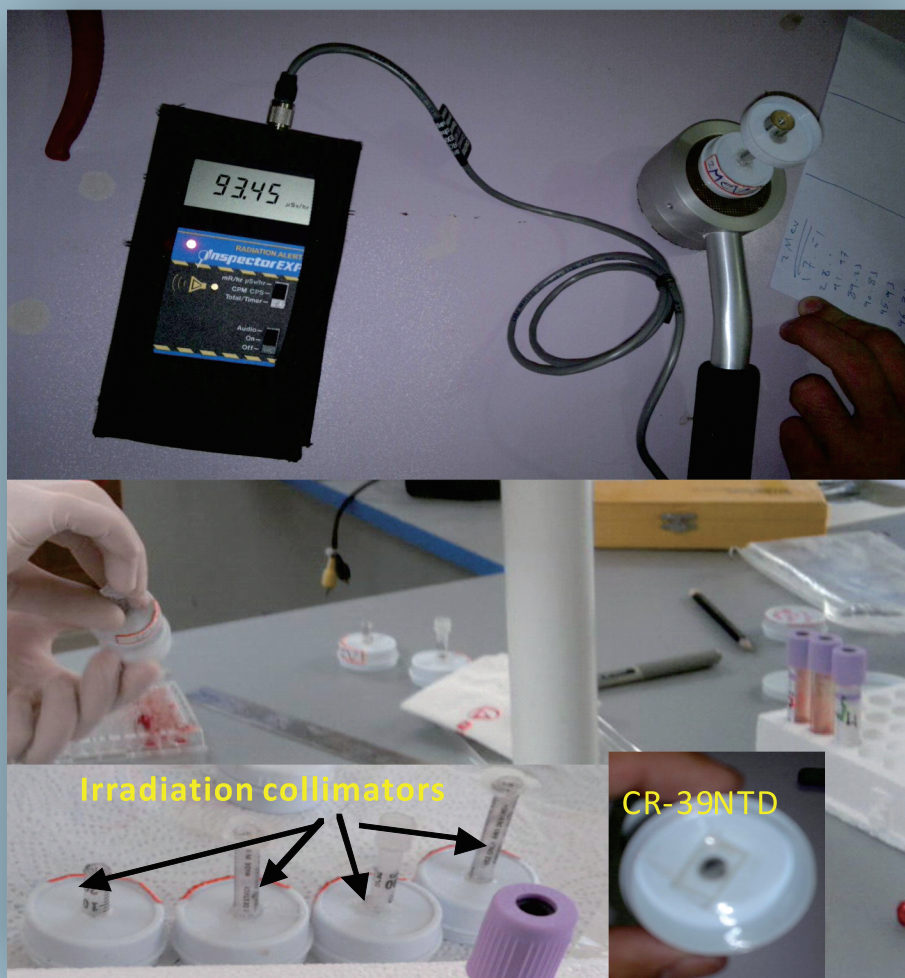


Open Journal of Biophysics



ISSN: 2164-5388



Journal Editorial Board

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

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

Editor in Chief

Dr. Tatyana Karabancheva

Northumbria University, UK

Editorial Board

Prof. Abass Alavi

University of Pennsylvania, USA

Dr. Chris Bystroff

Rensselaer Polytechnic Institute, USA

Dr. Robert H. Chow

University of Southern California, USA

Dr. Christo Zhivkov Christov

Northumbria University, UK

Dr. Carmen Domene

University of Oxford, UK

Prof. Ernesto Estrada

University of Strathclyde, UK

Dr. Antonio José da Costa Filho

University of São Paulo, Brazil

Dr. Damir B. Khismatullin

Department of Biomedical Engineering and Tulane Cancer Center, USA

Dr. John Kolega

State University of New York, USA

Dr. Pavel Kraikivski

Virginia Polytechnic Institute and State University, USA

Dr. Gee A. Lau

University of Illinois at Urbana-Champaign, USA

Dr. Wenyuan Li

University of Southern California, USA

Prof. Yves Mély

Louis Pasteur University, France

Dr. Monalisa Mukherjea

University of Pennsylvania Perelman School of Medicine, USA

Prof. Arthur D. Rosen

Indiana University, USA

Prof. Brian Matthew Salzberg

University of Pennsylvania, USA

Dr. Matthias F. Schneider

Boston University, USA

Prof. Jianwei Shuai

Xiamen University, China

Dr. Mateus Webba da Silva

University of Ulster, UK

Prof. Alexander A. Spector

Johns Hopkins University, USA

Dr. Munekazu Yamakuchi

University of Rochester, USA

Prof. Salvador Ventura Zamora

Autonomous University of Barcelona, Spain

Associate Editors

Dr. James Chow

Technology University of Maryland, USA

Dr. Mingrui Duan

Washington State University Pullman, USA

Dr. Srividhya Jeyaraman

Indiana University, USA

Dr. Veysel Kayser

Massachusetts Institute of Technology Cambridge, USA

Dr. Ganhui Lan

George Washington University, USA

Dr. Siyuan Lu

University of Southern California, USA

Dr. Yun Lyna Luo

Argonne National Laboratory Argonne, USA

Dr. Jaan Männik

University of Tennessee, USA

Dr. Sanbo Qin

Florida State University, Florida, USA

Dr. Bo Sun

Oregon State University, USA

Dr. Bin Tang

South University of Science and Technology of China, China

Dr. Yuan Wang

University of California, USA

Dr. Peizhi Zhu

University of Michigan, USA

TABLE OF CONTENTS

Volume 2 Number 4

October 2012

Solid-State NMR Spectroscopic Approaches to Investigate Dynamics, Secondary Structure and Topology of Membrane Proteins

S. Abu-Baker, G. A. Lorigan.....109

Simplifying the Analysis of Enzyme Kinetics of Cytochrome *c* Oxidase by the Lambert-W Function

M. Schleegeer, J. Heberle, S. Kakorin.....117

Radiation Exposure of Leukemia Blood Samples and Its Impacts on the Density of RBC, WBC, and PLT: *In Vitro*

A. H. Ismail, M. A. Hamad, E. M. T. Harki.....130

Magnetic Field Intensity/Melatonin-Molarity Interactions: Experimental Support with Planarian (*Dugesia sp.*) Activity for a Resonance-Like Process

B. P. Mulligan, N. Gang, G. H. Parker, M. A. Persinger.....137

The figure on the front cover is from the article published in Open Journal of Biophysics, 2012, Vol. 2, No. 4, pp. 130-136 by Asaad H. Ismail, Muhamad A. Hamad and Edrees M. T. Harki.

Open Journal of Biophysics (OJBIPHY)

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: \$39 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©2012 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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: ojbiphy@scirp.org



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