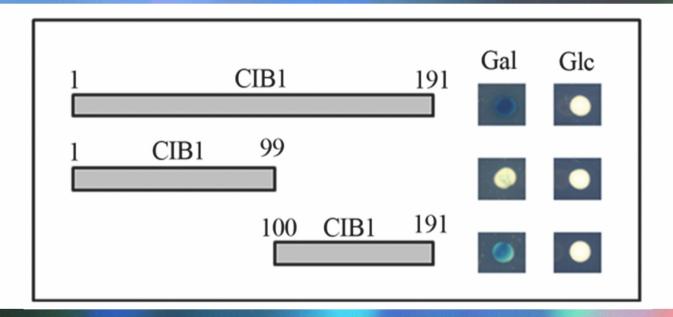


# Advances in Biological Chemistry





# **Journal Editorial Board**

# ISSN 2162-2183 (Print) ISSN 2162-2191 (Online)

http://www.scirp.org/journal/abc

## Editor-in-Chief

Prof. Gary W. Black Northumbria University, UK

#### **Editorial Board**

Prof. Feng Wu Bai

Dr. Eduardo Alberto Castro

Prof. Steven Feng Chen Prof. Chi-Hin Cho

Prof. Howard William Clark

Dr. Madhu Dhar

Dr. Nicolay Ivanov Dodoff

Dr. Rossen M. Donev

Dr. Pablo R. Duchowicz

Prof. Asim K. Duttaroy

Dr. Hani El-Nezami

Dr. Purnachandra Nagaraju Ganji

Dr. Havard Jenssen

Prof. Phillip E. Klebba

Dr. Alexander A. Konstantinov

Dr. Shinichiro Kurosawa

Dr. David X. Liu

Prof. Peizhong Mao

Prof. Hara P. Misra

Dr. Jim Mixson

Prof. James Morré

Dr. Monalisa Mukherjea

Dr. Ali B. Naini

Dr. Moreno-Sánchez Rafael

**Prof. Victor Domingo Ramirez** 

Prof. Pogaku Ravindra

Prof. David J. Riese II

Prof. Arun Seth

Dr. Rafat Siddiqui

Prof. Akira Sugawara

Dr. Ling Shing Wong

Dr. Deyu Xie

Dr. Tetiana Zaichuk

Dr. Tong Zhang

Dalian University of Technology, China

Universidad Nacional de La Plata, Argentina

Peking University, China

The Chinese University of Hong Kong, China

University of Southampton, UK

University of Tennessee, USA

Bulgarian Academy of Sciences, Bulgaria

Swansea University, UK

La Plata National University, Argentina

University of Oslo, Norway

University of Hong Kong, China

Emory University, USA

Roskilde University, Denmark

University of Oklahoma, USA

Moscow State University, Russia

Boston University, USA

Pennsylvania State University College of Medicine, USA

Oregon Health & Science University (OHSU), USA

Edward Via College of Osteopathic Medicine, USA

University of Maryland School of Medicine, USA

Purdue University, USA

University of Pennsylvania, USA

Columbia University Medical Center, USA

Instituto Nacional de Cardiologia, Mexico

University of Chile, Chile

University Malaysia Sabah, Malaysia

Auburn University, USA

Sunnybrook Health Sciences Centre, Canada

Methodist Research Institute, USA

Tohoku University Graduate School of Medicine, Japan

INTI International University, Malaysia

North Carolina State University, USA

Northwestern University, USA

The University of Hong Kong, China

# TABLE OF CONTENTS

# Volume 4, Number 1, February 2014

Phytoecdysteroids from Silene praemixta	
M. A. Agzamova, I. M. O. Isaev, A. U. Mamathanov, M. I. O. Isaev, T. F. Ibragimov	L
C-reactive protein and erythrocyte sedimentation rate: Continuing role for erythrocyte sedimentation rate	
G. Singh	5
Roles of NADPH oxidase 2 and 4 in endothelial cell survival and death under serum depletion  H. Jeon, Y. C. Boo	)
Application of prodigiosin as a colorant for polyolefines	
I. Ryazantseva, I. Andreyeva20	)
N-acetylcysteine amide protects against dexamethasone-induced cataract related changes in cultured rat lenses	
S. Tobwala, E. Y. Pinarci, Y. Maddirala, N. Ercal.	5
Phytochemical screening, hepatoprotective and antioxidant effects of leaf extracts of Zapoteca portoricensis	
K. N. Agbafor, M. E. Ogbanshi, E. I. Akubugwo.	5
G protein and MAPK signaling pathways control the ability of <i>Cochliobolus heterostrophus</i> to exploit different carbon sources	
O. Degani	)
Differences in age modulates neutrophils function	
C. J. Lagranha, T. C. Alba-Loureiro, A. I. da Silva, D. D. B. de Lima, A. A. Pedroza, D. Ferreira, T. Pithon-Curi5	l
Interaction of calcium- and integrin-binding protein 1 with integrin $lpha 11$ and its possible involvement in pulmonary fibrosis	
K. Yoshida, AM. Park, S. Ozaki, H. Munakata.	)
Responses of bioenergy sorghum cell wall metabolism to agronomic practices	
J. P. Wight, F. M. Hons, G. O. Osuji.	7
Investigation and development on processing of Vietnamese lacquer	
C. Z. Wang, H. X. Chen, H. Zhou, W. J. Li, L. Lu, B. T. Phuc.	)
Essential metal Zn in sponge Callyspongia aerizusa from Spermonde Archipelago	
L. Melawaty, A. Noor, T. Harlim, N. de Voogd80	5

The figure on the front cover is from the article published in Advances in Biological Chemistry, 2014, Vol. 4, No. 1, pp. 59-66 by Koji Yoshida, *et al.* 

## **Advances in Biological Chemistry (ABC)**

#### **Journal Information**

#### **SUBSCRIPTIONS**

The Advances in Biological Chemistry (Online at Scientific Research Publishing, <a href="www.Scirp.org">www.Scirp.org</a>) is published bimonthly by Scientific Research Publishing, Inc., USA.

#### **Subscription rates:**

Print: \$79 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: <a href="mailto:sub@scirp.org">sub@scirp.org</a>

#### **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©2014 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 assumes 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: abc@scirp.org





# Advances in Biological Chemistry (ABC)

ISSN 2162-2183 (Print) ISSN 2162-2191 (Online) http://www.scirp.org/journal/abc

Advances in Biological Chemistry (ABC) is an international journal dedicated to the latest advancement of Biological Chemistry. 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 Biological Chemistry. 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:

- Animal and Human Biochemistry
- Applied Biochemistry and Biochemical Engineering
- Biochemical Immunology
- Biochemical Methods
- Biochemical Pharmacology and Toxicology
- Biomolecular Spectroscopy
- Computational Biochemistry and Biomolecular Modelling
- Enzymology
- Inorganic Biochemistry
- Lipid Biochemistry
- Medical Biochemistry
- Medicinal Chemistry
- Membrane Biochemistry
- Microbial Biochemistry
- Neurobiochemistry
- Nucleic Acids Biochemistry
- Peptide and Protein Biochemistry
- Plant Biochemistry
- Polysaccharide Biochemistry
- Structural Bioinformatics

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.

E-mail: abc@scirp.org

Website and E-Mail

http://www.scirp.org/journal/abc

#### 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, by delivering superior scientific publications and scientific information solution provider that enable advancement in scientific research.

# 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, world-wide, 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