

Journal Editorial Board

ISSN: 2156-8456 (Print) ISSN: 2156-8502 (Online)

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

Editor-in-Chief

Prof. Jinfu Wang

Zhejiang University, China

Editorial Board

Prof. Suleyman I. Allakhverdiev

Russian Academy of Sciences, Russia

Dr. Laura Cecilia Armendáriz

Instituto de Limnología “Dr Raúl Ringuelet” (ILPLA), Argentina

Prof. Robert Armon

Technion - Israel Institute of Technology, Israel

Prof. Bendicho-Hernández Carlos

University of Vigo, Spain

Prof. Mohamed Chahine

Laval University, Canada

Prof. Wenyaw Chan

UT Health Science Center at Houston, USA

Dr. Alexandre Benoît Corthay

University of Oslo, Norway

Dr. Robert A. Drewell

Harvey Mudd College, Canada

Dr. Mehrnaz Gharaee-Kermani

University of Michigan, USA

Dr. Zhiguo He

Central South University, China

Dr. Jane L. Hoover-Plow

Case University, USA

Prof. Xingjiu Huang

Chinese Academy of Sciences, China

Prof. Noah Isakov

Ben Gurion University of the Negev, Israel

Dr. Sabzali A. Javadov

University of Puerto Rico, USA

Dr. Lukasz Kedzierski

Walter and Eliza Hall Institute of Medical Research, Australia

Prof. Hari K. Koul

University of Colorado Denver School Of Medicine, USA

Dr. Yantao Li

Arizona State University, USA

Prof. Manuela Martins-Green

University of California, USA

Prof. J. Michael Mathis

Louisiana State University, USA

Dr. Bouzid Menaa

Fluorotronics, Inc., USA

Prof. Subhash C. Mojumdar

University of New Brunswick, Canada

Prof. Simon Geir Møller

University of Stavanger, Norway

Dr. Snæbjörn Pálsson

University of Iceland, Iceland

Dr. David Pimentel

Cornell University, USA

Dr. Pavol Prokop

Trnava University, Slovak

Dr. Paul Shapiro

University of Maryland, USA

Dr. Ajay Singh

Lystek International Inc., Canada

Dr. Zheng Su

Genentech Inc., USA

Dr. Chuanhe Tang

South China University of Technology, China

Prof. John Edward Terrell

Field Museum of Natural History, USA

Dr. Jinrong Wan

University of Missouri, USA

Editorial Assistant

Shirley Song

Scientific Research Publishing. Email: abb@scirp.org

Guest Reviewers (According to Alphabet)

Sara Hiebert Burch

Phillips Jennifer

DeBolt Seth

Hans-U. Dahms

Jayapragasam Marimuthu

Qingping Sun

Ronald W. Dudek

William Murphy

Shailly Tomar

Filho Osvaldo Ferrarese

Satish Narkhede

TABLE OF CONTENTS

Volume 1, Number 5, December 2010

Quantitative determination of residual 2-(2-chloroethoxy) ethanol (CEE) in quetiapine fumarate by gas chromatography

P. Tiwari, R. Yadav, P. A. Sathe, D. Gangrade.....367

Morphological characteristics and identification of new monosomic stocks for cotton (*Gossypium hirsutum* L.)

M. F. Sanamyan, J. E. Petlyakova, E. A. Sharipova, I. Y. Abdurakhmonov.....372

Determining the transcriptional regulation pattern of *PgTIP1* in transgenic *Arabidopsis thaliana* by constructing gene coexpression networks

H. Y. Chen, L. Ying, J. Jin, Q. Li, W. M. Cai.....384

Significance of the astrocyte domain organization for qualitative information structuring in the brain

B. J. Mitterauer.....391

Direct measurement of oxygen consumption rates from attached and unattached cells in a reversibly sealed, diffusionally isolated sample chamber

T. J. Strovas, S. C. McQuaide, J. B. Anderson, V. Nandakumar, M. G. Kalyuzhnaya, L. W. Burgess, M. R. Holl, D. R. Meldrum, M. E. Lidstrom.....398

Rapid regeneration of stable transformants in cultures of potato by improving factors influencing *Agrobacterium*-mediated transformation

B. Chakravarty, G. Wang-Pruski.....409

Cloning, expression, purification and characterization of replication protein from plasmid pGP2 from *Acetobacter estunensis*

P. Grones, J. Grones.....417

Overexpression of aspen sucrose synthase gene promotes growth and development of transgenic *Arabidopsis* plants

F. Y. Xu, C. P. Joshi.....426

Influence of magnetic iron oxide nanoparticles on red blood cells and Caco-2 cells

D. Moersdorf, P. Hugounenq, L. T. Phuoc, H. Mamlouk-Chaouachi, D. Felder-Flesch, S. Begin-Colin, G. Pourroy, I. Bernhardt.....439

Ubiquitous expression of *Sry* induces embryonic lethality related to suppression of *Tie2/Tek* expression

K. Yoshida, M. Ito, K. Yokouchi, K. Kano, K. Naito, H. Tojo.....444

The figure on the front cover is from the article published in *Advances in Bioscience and Biotechnology*, 2010, Vol. 1, No. 5, pp. 384-390, by Haiying Chen, Lu Ying, Jing Jin, Qi Li and Weiming Cai.

Advances in Bioscience and Biotechnology (ABB)

Journal Information

SUBSCRIPTIONS

The *Advances in Bioscience and Biotechnology* (Online at Scientific Research Publishing, www.SciRP.org) is published bimonthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$50 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©2010 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.

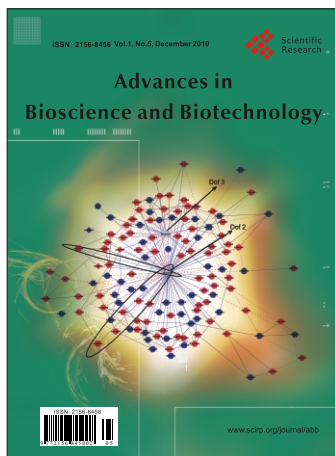
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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: abb@scirp.org



Call for Papers

Advances in Bioscience and Biotechnology

ISSN: 2156-8456 (Print) ISSN: 2156-8502 (Online)

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

Advances in Bioscience and Biotechnology (ABB) is an international journal dedicated to the latest advancement of biosciences. 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. 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.

Editor-in-Chief

Prof. Jinfu Wang Zhejiang University, China

Editorial Board

Prof. Suleyman I. Allakhverdiev	Russian Academy of Sciences, Russia	Dr. Yantao Li	Arizona State University, USA
Prof. Robert Armon	Technion - Israel Institute of Technology, Israel	Prof. Manuela Martins-Green	University of California, USA
Prof. Bendicho-Hernández Carlos	University of Vigo, Spain	Prof. J. Michael Mathis	Louisiana State University, USA
Prof. Mohamed Chahine	Laval University, Canada	Dr. Bouzid Menaa	Fluorotronics, Inc., USA
Prof. Wenyaw Chan	UT Health Science Center at Houston, USA	Prof. Subhash C. Mojumdar	University of New Brunswick, Canada
Dr. Alexandre Benoît Corthay	University of Oslo, Norway	Prof. Simon Geir Møller	University of Stavanger, Norway
Dr. Robert A. Drewell	Harvey Mudd College, Canada	Dr. Snæbjörn Pálsson	University of Iceland, Iceland
Dr. Mehrnaz Gharaei-Kermani	University of Michigan, USA	Dr. David Pimentel	Cornell University, USA
Dr. Zhiguo He	Central South University, China	Dr. Pavol Prokop	Trnava University, Slovak
Dr. Jane L. Hoover-Plow	Case University, USA	Dr. Paul Shapiro	University of Maryland, USA
Prof. Xingjiu Huang	Chinese Academy of Sciences, China	Dr. Ajay Singh	Lystek International Inc., Canada
Dr. Sabzali A. Javadov	University of Puerto Rico, USA	Dr. Chuanhe Tang	South China University of Technology, China
Dr. Lukasz Kedzierski	Walter and Eliza Hall Institute of Medical Research, Australia	Prof. John Edward Terrell	Field Museum of Natural History, USA
Prof. Hari K. Koul	University of Colorado Denver School Of Medicine, USA	Dr. Jinrong Wan	University of Missouri, USA

Subject Coverage

This journal invites original research and review papers that address the following issues in bioscience and biotechnology. Topics of interest include, but are not limited to:

- Biochemistry
- Botany
- Cytobiology
- Developmental Biology
- Ecology
- Genetics
- Inorganic and Analytic Chemistry
- Microbiology
- Molecular Biology
- Neurobiology
- Organic Chemistry
- Physics
- Zoology

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the **ABB**.

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. Authors are responsible for having their papers checked for style and grammar prior to submission to ABB. For more details about the submissions, please access the website.

Website and E-Mail

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

E-mail: abb@scirp.org