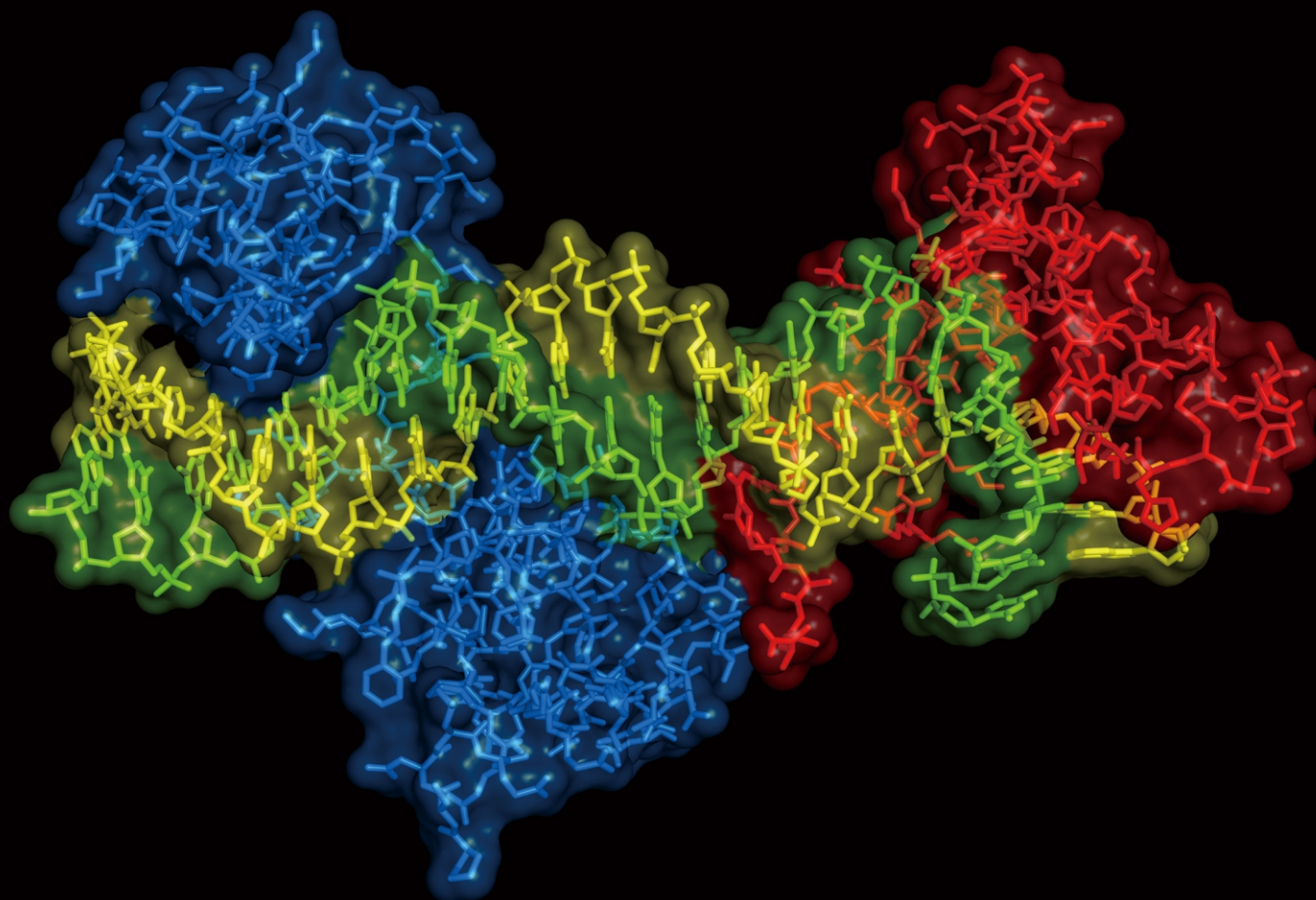


ISSN:2328-4846 Volume 4, Number 4, December 2016



Advances in Enzyme Research



ISSN:2328-4846



www.scirp.org/journal/aer

Journal Editorial Board

ISSN: 2328-4846 (Print) ISSN: 2328-4854 (Online)

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

Editor-in-Chief

Prof. Bechan Sharma

University of Allahabad, India

Editorial Board

Prof. Sailas Benjamin

University of Calicut, India

Dr. David D. Boehr

The Pennsylvania State University, USA

Prof. Jo-Shu Chang

National Cheng Kung University, Chinese Taipei

Dr. K. Martin Chow

University of Kentucky, USA

Dr. Ramakrishnan Gopalakrishnan

University of Southern California, USA

Prof. Sahar Mohamed Kamal Shams El Dine

Ain Shams University, Egypt

Prof. Takao Kanamori

Aichi Gakuin University, Japan

Dr. Ivan Kurtovic

The New Zealand Institute for Plant & Food Research Limited, New Zealand

Prof. Jianyong Li

Virginia Tech, USA

Dr. Amosy E. M'Koma

Meharry Medical College School of Medicine, USA

Dr. Sagar Naskar

Bengal College of Pharmaceutical Sciences and Research, India

Dr. Michael J. Palladino

University of Pittsburgh, USA

Dr. Jignesh D. Pandya

University of Kentucky, USA

Dr. Sudhir Kumar Rai

National Institutes of Health (NIH), USA

Dr. Badal C. Saha

National Center for Agricultural Utilization Research, USA

Dr. Honglian Shi

University of Kansas, USA

Dr. Noel Unciano

Industrial Technology Development Institute, Philippines

Prof. Mary Vagula

Gannon University, India

Dr. Qiou Wei

University of Kentucky College of Medicine, USA

Dr. Xiaobin Wu

University of Nebraska-Lincoln, USA

Dr. Huseyin Bekir Yildiz

Karamanoglu Mehmetbey University, Turkey

Dr. Kouroush Sadegh Zadeh

University of Maryland at College Park, USA

Table of Contents

Volume 4 Number 4

December 2016

Enzymes of Earthworm as Indicators of Pesticide Pollution in Soil

R. K. Tiwari, S. Singh, R. S. Pandey, B. Sharma.....113

Novel Protease from *Aspergillus tamari* URM4634: Production and Characterization Using Inexpensive Agroindustrial Substrates by Solid-State Fermentation

O. S. da Silva, R. L. de Oliveira, C. M. Souza-Motta, A. L. F. Porto, T. S. Porto.....125

Polyphosphatase PPN1 of *Saccharomyces cerevisiae* Is a Deoxyadenosine Triphosphate Phosphohydrolase

N. Andreeva, L. Trilisenko, M. Eldarov, T. Kulakovskaya.....144

Lipase Catalyzed Methanolysis of Tri-(12-Hydroxy Stearoyl)-Glycerol in Organic Solvents

S.-T. Kang, T. A. McKeon.....152

Advances in Enzyme Research (AER)

Journal Information

SUBSCRIPTIONS

The *Advances in Enzyme Research* (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 and reuse rights for the front matter of the journal:

Copyright © 2016 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 © 2016 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.

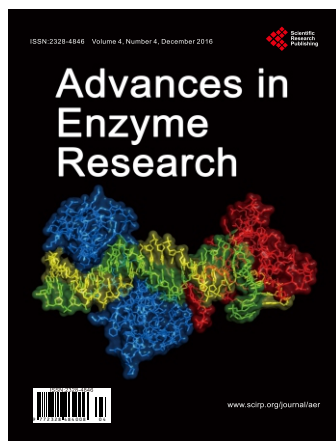
Disclaimer of liability

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: aer@scirp.org



Advances in Enzyme Research

ISSN: 2328-4846 (Print) ISSN: 2328-4854 (Online)

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

Advances in Enzyme Research (AER) is an openly accessible journal. 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 enzyme research.

Editor-in-Chief

Prof. Bechan Sharma

University of Allahabad, India

Subject Coverage

The areas covered by *Advances in Enzyme Research (AER)* include but are not limited to the following fields:

- Applied Enzymology
- Biocatalysis
- Bioinorganic Enzymology
- Biomedical Enzymology
- Conformational Dynamics of Enzymes
- Computational Enzymology
- Enzyme Binding Studies
- Enzyme Inhibition and Inhibitors
- Enzyme Therapy
- Enzymes and Metabolism
- Enzymes in Biotechnology
- Enzymes in Ecology
- Enzymes in Energy Production
- Enzymes in Medicine
- Enzymes in Nutrition
- Enzymes in Pharmacology
- Experimental Techniques in Enzymology
- Industrial Enzymology
- Mechanisms of Enzyme Reactions
- Modeling Enzyme Kinetics and Networks
- Modern Experimental Techniques in Enzymology
- Novel Applications of Enzymes
- Production of Biofuel by Solid-State and Submerged Fermentation
- Spectroscopy Methods in Enzyme Research
- Structure and Function of Enzymes
- Synthesis of Enzymes
- X-Ray Crystallography of Enzymes

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

All manuscripts must be prepared in English, and are subject to a rigorous peer-review process. Accepted papers will immediately appear online followed by printed hard copy.

Website and E-Mail

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

Email: aer@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



**Scientific
Research
Publishing**

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

Subscription: sub@scirp.org

Advertisement: service@scirp.org