

Advances in Entomology





www.scirp.org/journal/ae

Journal Editorial Board

ISSN: 2331-1991 (Print) ISSN: 2331-2017 (Online)

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

Editorial Board

Dr. Kamran Akbarzadeh Dr. Jeyasankar Alagarmalai Dr. Margaret L. Allen **Prof. Francesco Andrietti** Dr. Tapan Kumar Barik Dr. Kathirvelu Baskar Dr. Emana Getu Degaga Dr. Harsimran Kaur Gill **Dr.** Gauray Goval **Prof. Angel Guerrero** Dr. Xiao-Xia Liu Dr. Angeliki F. Martinou **Prof. Ashraf Mashaly** Dr. Richard T. Mayer **Dr. Souleymane Nacro** Dr. I. S. Ndams Dr. Nonito Pagès Dr. Muhammad Ather Rafi Dr. Chandrasekar Raman Dr. Marta I. Saloña-Bordas Dr. Meera Srivastava

Academic Editor

Dr. Antonios Tsagkarakis

Tehran University of Medical Scineces, Iran Government Arts College (Autonomous), Coimbatore, India Biological Control of Pests Research Unit, USA University of Milan, Italy Berhampur University, India Bioscience Research Foundation. India Addis Ababa University, Ethiopia University of Florida, USA University of Florida, USA Institute of Advanced Chemistry of Catalonia (CSIC), Spain China Agricultural University, China Cyprus University of Technology, Cyprus King Saud University, Saudi Arabia University of Georgia, USA CREAF/Kamboinsé Ouagadougou, Burkina-Faso Ahmadu Bello University, Nigeria Centre de Recerca en Sanitat Animal, Spain National Agricultural Research Center, Pakistan Kansas State University, USA University of the Basque Country, Spain Government Dungar College, India

Agricultural University of Athens, Greece



Table of Contents

Volume 5 Number 1	January 2017
Excised Leaf Bioassay: Phenotypic Expression of Natural Resistance in Apple against the Obliquebanded Leafroller	
J. J. Schwarz, J. F. Brunner	1
Reaction of Sesame (<i>Sesamum indicum</i> Linn.) Mutant Generations against Webworm, <i>Antigastra catalaunalis</i> Duponchel	
M. Saravanaraman, V. Selvanarayanan, K. Saravanan	26
Chromosomal Location of a Recessive Red-Eye Mutant Gene in the Brown Planthopper <i>Nilaparvata lugens</i> (Stål) (Insecta: Hemiptera)	
J. Jairin, P. Leelagud, A. Pongmee, K. Srivilai	
Grasshopper Mandibles Functional Morphology Adaptation to Food Plants (Orthoptera: Caelifera) from the Subtropical Forest Ecosystem, Central Taiwan	
TF. Hsiao, JT. Yang, MY. Chen	40

Advances in Entomology (AE) Journal Information

SUBSCRIPTIONS

The *Advances in Entomology* (Online at Scientific Research Publishing, <u>www.SciRP.org</u>) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates: Print: \$39 per issue. To subscribe, please contact Journals Subscriptions Department, E-mail: <u>sub@scirp.org</u>

SERVICES

Advertisements Advertisement Sales Department, E-mail: <u>service@scirp.org</u>

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA. E-mail: <u>sub@scirp.org</u>

COPYRIGHT

Copyright and reuse rights for the front matter of the journal:

Copyright © 2017 by Scientific Research Publishing Inc. This work is licensed under the Creative Commons Attribution International License (CC BY). <u>http://creativecommons.org/licenses/by/4.0/</u>

Copyright for individual papers of the journal:

Copyright © 2017 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: <u>ae@scirp.org</u>

Call for Papers



Advances in Entomology

ISSN: 2331-1991 (Print) ISSN: 2331-2017 (Online) http://www.scirp.org/journal/ae

Advances in Entomology (AE) is an openly accessible journal published quarterly. 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 the research of entomology.

Subject Coverage

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. The areas covered by Advances in Entomology (AE) include but are not limited to the following fields:

- Agricultural Entomology
- Chemical Protection of Plants
- Culture Entomology
- Entomological Biology
- Entomological Ecology
- Entomological Ethology
- Entomological Morphology
- Entomological Pathology
- Entomological Taxonomy

- Entomological Toxicology
- Forensic Entomology
- Forest Entomology
- Medical Entomology
- Palaeoentomology
- Pest Bio-Control
- Physiological Entomology
- Technical Entomology
- Urban Entomology

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 from 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/ae E-mail: ae@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?

Art and Design Review

Advances in

Advances in Biologica Themistry Entomolog

Applied Mathematics

Engineering

entill a

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



Soft

Website: http://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org