

AAB Bioflux, Volume 5(1)
May, 15, 2013

**Advances in Agriculture & Botanics –
International Journal of the Bioflux Society**

AAB



International Standard Serial Number

Online ISSN 2067-6352; Print ISSN 2066-7639

Published by Bioflux – three times per year

International Editorial Board

27 Countries (6 continents): Romania, Peru, Belgium, Pakistan, Iran, France, Croatia, Thailand, Japan, Bangladesh, Nigeria, Egypt, India, Serbia, Czech Republic, Greece, USA, Republic of Armenia, Australia, New Zealand, Republic of Moldavia, Spain, Philippines, Palestine, Zambia.

Editor-in-Chief

Botha Miklos: Bioflux SRL, Cluj-Napoca (Romania)

Editors

Akbarzadeh Ali: University of Tehran, Karaj (Iran)
Blas Raul Humberto Sevillano: Univ. Nacional Agraria La Molina (Peru)
Burny Philippe: Universite de Liege (Belgium)
Costea Ramona Ioana: USAMV Cluj, Cluj-Napoca (Romania)
Demayo Cesar G.: Mindanao State University, Lanao del Norte (Philippines)
Farooq Jehanzeb: Ayub Agricultural Institute, Faisalabad (Pakistan)
Gavriloaie Ionel-Claudiu: Technical College "INFOEL" Bistrita (Romania)
Morar Gavrilă: USAMV Cluj, Cluj-Napoca (Romania)
Negrea Bogdan Mihai: University Stefan cel Mare, Suceava (Romania)
Oroian Ioan: USAMV Cluj, Cluj-Napoca (Romania)
Pasarin Benone: USAMV Iasi, Iasi (Romania)
Paveliuc-Olariu Codrin: USAMV Iasi, Iasi (Romania)
Popescu Irinel Eugen: Alexandru Ioan Cuza University, Iasi (Romania)
Petrescu-Mag Ioan Valentin: USAMV Iasi, Iasi (Romania)
Petrescu-Mag Ruxandra Malina: UBB Cluj-Napoca (Romania)
Petrovici Milca: West University of Timisoara (Romania)
Petrescu Dacinia Crina: UBB Cluj, Cluj-Napoca (Romania)
Samuil Costel: USAMV Iasi, Iasi (Romania)
Sima Rodica Maria: USAMV Cluj, Cluj-Napoca (Romania)
Vesa Stefan Cristian: University of Medicine and Pharmacy, Cluj-Napoca (Romania)
Zambare Vasudeo: South Dakota School of Mines and Technology (USA)

Editorial Councillor

Velter Victor: UEFISCDI, Bucharest (Romania)

Scientific Reviewers

Abou Auda Mohamad: Al-Aqsa University, Gaza (Palestine)
Alizadeh Omid: Islamic Azad University (Iran)
Abdullah Khalid: Agricultural Research Institute Ratta Kulachi (Pakistan)
Askari Aliakbar: Armenian State Agrarian University, Yerevan (Armenia)
Ayyappan Vasudevan: Delaware State University, Dover (USA)
Barbir Constantin Florin: University Stefan cel Mare Suceava (Romania)
Boaru Anca: USAMV Cluj, Cluj-Napoca (Romania)
Bordea Daniela: USAMV Cluj, Cluj-Napoca (Romania)
Brown Simon: University of Tasmania, Launceston (Australia)
Buburuz Dionisie: National Academy of Science (Republic of Moldavia)
Bunnag Sumontip: Khon Kaen University, Muang Khon Kaen (Thailand)
Burduhos Petru Daniel: USAMV Cluj, Cluj-Napoca (Romania)
Chanda Kelvin M.: Lusitu High School, Siavonga (Zambia)
Csep Laszlo: Bioflux, Cluj-Napoca (Romania)

Doroftei Mihai: Danube Delta National Institute, Tulcea (Romania)
Fleseriu Andrei: USAMV Cluj, Cluj-Napoca (Romania)
Gazinski Benon, Warmia and Mazury University, Olsztyn (Poland)
Goia Irina: UBB Cluj, Cluj-Napoca (Romania)
Hasanuzzaman Mirza: Kagawa Univ. (Japan); Sher-e-Bangla Agric. Univ. (Bangladesh)
Ichim Mihael Cristin: "Stejarul" Biological Research Center, Piatra-Neamt (Romania)
Ingale Satish: Government Engineering College, Jabalpur (India)
Irimia Irina: "Al. I. Cuza" University, Faculty of Biology (Romania)
Lawal Babatunde Akeem: LAUTECH, Ogbomoso (Nigeria)
Mardari Constantin: "Anastasiu Fatu" Botanic Garden, Iasi (Romania)
Mihai-Oroian Constantin : USAMV Cluj, Cluj-Napoca (Romania)
Naghiu Alexandru: USAMV Cluj, Cluj-Napoca (Romania); Univ. Leon (Spain)
Nwachukwu Ifeanyi Ndubuto: Michael Okpara Univ. of Agriculture (Nigeria)
Odagiu Antonia: USAMV Cluj, Cluj-Napoca (Romania)
Pandey Praveen: Deemed University, Allahabad (India)
Papageorgiou Athanassios: Techn. Educ. Instit. of Kalamata (Greece)
Parsaeimehr Ali: National Academy of Science, Yerevan (Republic of Armenia)
Perkovic Anica: University of Josip Juraj Strossmayer, Osijek (Croatia)
Pimda Witaya: Khon Kaen University, Muang Khon Kaen (Thailand)
Popovic Rade: University in Novi Sad (Serbia)
Roibu Catalin-Constantin: University Stefan cel Mare, Suceava (Romania)
Sima Nicusor Flavius: USAMV Cluj, Cluj-Napoca (Romania)
Talu Stefan: Technical University of Cluj, Cluj-Napoca (Romania)
Tomsik Karel: Czech University of Life Sciences, Prague (Czech Republic)
Tugui Olimpia Ramona: Univ. Lyon II Lumiere (France)
Watkins Roger L. S.: Massey University, Palmerston North (New Zealand)
Zayed Ehab Mohamed: Agriculture Research Center Field Crop Research Institute, Giza (Egypt)

Contact Publisher. SC Bioflux SRL, 54 Ceahlău Street, Cluj-Napoca, 400488, Romania, European Union.

Ioan Valentin Petrescu-Mag, e-mail: zoobiomag2004@yahoo.com

Ruxandra Mălina Petrescu-Mag, e-mail: pmalina2000@yahoo.com

Online Fulltext, Openaccess. Note that there is also an electronic version of the journal. You may download the fulltext version of AAB Bioflux – Volume 5/2013 from <http://www.aab.bioflux.com.ro/> - open access.

Peer-reviewed. All articles included in AAB Bioflux are peer-reviewed. Each published article was seen before by two reviewers and at least one specialist in foreign languages. The two peer-reviews are made independently.

Coverage

ISI Web of Knowledge – Thomson Reuters (via CABI)

CAB International - CAB Abstracts (UK)

EBSCOhost (Ipswich, USA)

DOAJ (Lund University Library)

SOCOLAR (CEPIEC, China)

Wolters Kluwer - OVID LinkSolver (imported from CABI)

Ulrich's Periodicals Directory

Serials Solutions

Index Copernicus International

CNCSIS - quoted B+

Scipio

Datastar

STN International
CAB Direct (CABI's platform)
Dialog (Proquest)
Dimdi
Journal Tocs
World Cat
Google Scholar – Academic Search Engine
Scirus - for scientific information only (search engine)
Google - Search Engine
Yahoo – Search Engine,
and several tens of digital libraries.

Our collaborators

Socolar

The free scholastic search engine is established by China Educational Publications Import and Export Corporation (CEPIEC). Under the leadership of China Ministry of Education, CEPIEC is the only company dealing with publication ex-im business in the education field. CEPIEC has been serving colleges and universities, research institutions and public libraries in China for more than 20 years, providing them with excellent academic resources from all over the world. Contact:

No 41 Zhong Guan Cun Street,
Haidian District, Beijing,
P.R.China 100080
Tel: +86 (0)10 6251 4068
e-mail: li_yanxia@cepiec.com.cn
Fax: +86 (0)10 6251 4068
www.cepiec.com.cn



CABI is a not-for-profit international organization that improves people's lives by providing information and applying scientific expertise to solve problems in agriculture and the environment. Their mission and direction is influenced by their member countries who help guide the activities they undertake. These include scientific publishing, development projects and research, and microbial services. 2010 marked 100 years of CABI. Since its beginnings as an entomological committee in 1910, it then developed into a Commonwealth organization before becoming a truly international service in agricultural information, pest identification and biological control in the mid 1980s.

EBSCOhost® databases are the most-used, premium online information resources for tens of thousands of institutions worldwide, representing millions of end-users.
Address: 10 Estes Street
Ipswich, MA 01938 USA
Phone: (978) 356-6500
Toll Free: (800) 653-2726 (USA & Canada)
Fax: (978) 356-6565
E-mail: information@ebSCOhost.com



The aim of the Directory of Open Access Journals is to increase the visibility and ease of use of open access scientific and scholarly journals thereby promoting their increased usage and impact. The Directory aims to be comprehensive and cover all open access scientific and scholarly journals that use a quality control system to guarantee the content. In short a one stop shop for users to Open Access Journals.

Contents

Lacuna M. L. D. G., Carmona M. L., Amparado B. B., Daclan M. A. F., Ranido L. A., 2013 Antimicrobial activity of supercritical fluid extracts of two Phillipine medicinal plants, *Psidium guajava* and *Euphoriba hirta*: Implications to community health. AAB Bioflux 5(1):1-12.

Mehid J. B., Teves F. G., Madamba M. R. S. B., 2013 DNA-binding property and FT-IR spectroscopic characterization of SC-CO₂ extracts from leaves, seeds, and roots of *Moringa oleifera* Lam. AAB Bioflux 5(1):13-19.

Jose M. A. I., Teves F. G., Madamba M. R. S. B., 2013 Radical Scavenging Activities and TLC-Guided Bioautography of the SC-CO₂ extract of *Ganoderma applanatum*. AAB Bioflux 5(1):20-28.

Bunnag S., Tangpong D., 2013 Delivery of an antisense AAC oxidase gene into *Citrus reticulata* Blanco. mediated by *Agrobacterium tumefaciens*. AAB Bioflux 5(1):29-38.

Sopha G. A., Uhan T. S., 2013 Application of liquid organic fertilizer from city waste on reduce urea application on Chinese mustard (*Brassica juncea*) cultivation. AAB Bioflux 5(1):39-44.

Ibrahim M. A., Waheed A. M., Al-Taha H. A., 2013 Plantlet regeneration from root segments of Date palm tree (*Phoenix dactylifera* L. cv. Barhee) producing by *in vitro* culture. AAB Bioflux 5(1):45-50.

