

**AAB Bioflux, Volume 5(2)
October, 28, 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

Editor-in-Chief

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

Editors

Al-Qutob Mutaz: Al-Quds University (Palestine)
Burny Philippe: Universite de Liege, Gembloux Agro-Bio Tech (Belgium)
Costea Ramona Ioana: USAMV Cluj, Cluj-Napoca (Romania)
Covrig Ilie: USAMV Cluj, Cluj-Napoca (Romania)
Demayo Cesar G.: Mindanao State University, Lanao del Norte (Philippines)
Farooq Jehanzeb: Cotton Res. Inst., Ayub; Agric. Res. Inst., Faisalabad (Pakistan)
Gavriloaie Ionel-Claudiu: Technical College "INFOEL" Bistrita (Romania)
Lebailly Philippe: University of Liege, Gembloux Agro-Bio Tech (Belgium)
Morar Gavrilă: USAMV Cluj, Cluj-Napoca (Romania)
Negrea Bogdan Mihai: University Stefan cel Mare, Suceava (Romania)
Oroian Ioan: USAMV Cluj, Cluj-Napoca (Romania)
Paveliuc-Olariu Codrin: University of Liege, Gembloux Agro-Bio Tech (Belgium)
Popescu Irinel Eugen: Alexandru Ioan Cuza University, Iasi (Romania)
Petrescu-Mag Ioan Valentin: USAMV Cluj, Cluj-Napoca (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)

Editorial Councillor

Velter Victor: UEFISCDI, Bucharest (Romania)

Scientific Reviewers

Askari Aliakbar: Armenian State Agrarian University, Yerevan (Armenia)
Ayyappan Vasudevan: Delaware State University, Dover (USA)
Boaru Anca: USAMV Cluj, Cluj-Napoca (Romania)
Bordea Daniela: USAMV Cluj, Cluj-Napoca (Romania)
Brown Simon: University of Tasmania, Launceston (Australia)
Bunnag Sumontip: Khon Kaen University, Muang Khon Kaen (Thailand)
Burduhos Petru Daniel: USAMV Cluj, Cluj-Napoca (Romania)
Csep Laszlo: Bioflux, Cluj-Napoca (Romania)
Dragan Alina-Aida - Technical University, Cluj-Napoca (Romania)
Fleseriu Andrei: USAMV Cluj, Cluj-Napoca (Romania)
Hasanuzzaman Mirza: Kagawa Univ. (Japan); Sher-e-Bangla Agric. Univ. (Bangladesh)
Merce Emilian: USAMV Cluj, Cluj-Napoca (Romania)
Mihai-Oroian Constantin : USAMV Cluj, Cluj-Napoca (Romania)
Odagiu Antonia: USAMV Cluj, Cluj-Napoca (Romania)
Pandey Praveen: Deemed University, Allahabad (India)
Parsaeimehr Ali: Jiangsu Academy of Agricultural Sciences, Nanjing (China)
Pimda Witaya: Khon Kaen University, Muang Khon Kaen (Thailand)
Popa Ionel: University Stefan cel Mare, Suceava (Romania)
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)
Zayed Ehab Mohamed: Agric. Res. 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; single blind peer-review is used.

Coverage

ISI Web of Knowledge – Thomson Reuters (via CABI)

CAB International - CAB Abstracts (UK)

EBSCOhost (Ipswich, USA)

SOCOLAR (CEPIEC, China)

Wolters Kluwer - OVID LinkSolver (imported from CABI)

Ulrich's Periodicals Directory

Serials Solutions

Index Copernicus International

CNCISIS - 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

The logo for Socolar, featuring the word "Socolar" in a stylized font. The "S" is yellow, "o" is green, "c" is blue, "o" is yellow, "l" is blue, "a" is yellow, and "r" is blue. The "@" symbol is blue.

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

Contents

Khamrit R., Suwanagul A., Bunnag S., 2013 Callogenesis and Agrobacterium-mediated genetic transformation of sugarcane (*Saccharum officinarum* L.) with a chitinase gene. *AAB Bioflux* 5(2):51-59.

Sopha G. A., Sumarni N., 2013 Effect of dolomite, horse manure and NPK application on plant growth and yield of Cauliflower and its residue effect on Snap bean cultivation. *AAB Bioflux* 5(2):60-65.

Ada F. B., Ayotunde E. O., Ekpenyong E., 2013 Eco-economic assessment of rice culture using pisces as alternative method of weed control in Southern Cross River State, Nigeria. *AAB Bioflux* 5(2):66-76.

Al-Taha H. A. K., 2013 Effect of shock and gradual drought by PEG on callus growth and proline accumulation in sour orange (*Citrus x aurantium*). *AAB Bioflux* 5(2):77-83.

Fayyadh M. A., Abdalgader A. Z., Fadel A. A., Muhammed E. A., Manea A. A., Jaffer M. A., Fadel A. A., 2013 Formulation of biopesticide from *Beauveria bassiana* as part of biological control of date palm stem borer (*Jebusaea hammershmidtii*). *AAB Bioflux* 5(2):84-90.

Nechita C., Popa I., Roibu C., 2013 Disturbance history in a stone-pine (*Pinus cembra*) multicentury tree-ring chronology from Calimani Mountains (Eastern Carpathians). *AAB Bioflux* 5(2):91-95.

Plaiu N., 2013 Climate influence on coniferous species radial growth in Moldovita River Basin. *AAB Bioflux* 5(2):96-101.

Tampus A. D., Tobias E. G., Amparado M. F., Bajo L., Sinco A. L., 2013 Assessment of the riparian vegetation along the riverine systems in Iligan City, Philippines. *AAB Bioflux* 5(2):102-114.