

**AES Bioflux, Volume 5(1)**  
**April, 15, 2013**

**Advances in Environmental Sciences -  
International Journal of the Bioflux  
Society**



# International Standard Serial Number

## Online ISSN 2065–7647; Print ISSN 2066-7620

**Published by Bioflux – three issues per year**

The journal covers all the fields of environmental sciences, connected mostly to life sciences, but also to geology, physics, chemistry, economics, policies or legislation (both theoretical and applied issues).

### **Editorial Board**

26 Countries (6 continents): Romania, Republic of Moldavia, Poland, Belgium, Spain, England, China, Japan, Canada, Switzerland, France, Pakistan, Bangladesh, Thailand, Norway, Philippines, USA, Brazil, Greece, New Zealand, Peru, Guyana, Iran, South Korea, Czech Republic, Zambia.

### **Editor-in-Chief**

Gavriloaie Ionel-Claudiu - Technical College INFOEL Bistrita (Romania)

### **Editors**

Botha Miklos - Bioflux SRL, Cluj-Napoca (Romania)  
Georgescu Carmen - University of Medicine and Pharmacy, Cluj-Napoca (Romania)  
Negrea Bogdan Mihai - University Stefan cel Mare, Suceava (Romania)  
Ozunu Alexandru - "Babes-Bolyai" University, Cluj-Napoca (Romania)  
Pasarin Benone - USAMV Iasi, Iasi (Romania)  
Petrescu-Mag Ioan Valentin – USAMV Iasi, Iasi (Romania)  
Petrescu-Mag Malina Ruxandra – "Babes-Bolyai" University, Cluj-Napoca (Romania)  
Petrovici Milca - West University of Timisoara (Romania)  
Rhyne Andrew - Roger Williams University; New England Aquarium, Boston (USA)  
Stefanescu Lucrina Niculina - "Babes-Bolyai" University, Cluj-Napoca (Romania)  
Talu Stefan - Technical University of Cluj-Napoca (Romania)  
Vesa Stefan Cristian - University of Medicine and Pharmacy, Cluj-Napoca (Romania)

### **Associate Editors**

Al-Qutob Mutaz - Al-Quds University (Palestinian Authority)  
Alizadeh Omid - Islamic Azad University (Iran)  
Correa Jean Michel - Federal University of Ceara, Fortaleza (Brazil)  
Costea Ramona Ioana - University Stefan cel Mare, Suceava (Romania)  
Covaciu-Marcov Severus-Daniel - University of Oradea, Faculty of Sciences (Romania)  
Farooq Jehanzeb - Cotton Research Institute, Ayub, Faisalabad (Pakistan)  
Morar Gavriela - USAMV Cluj, Cluj-Napoca (Romania)  
Nezmal Matej, Radon v.o.s. Corporation, Prague (Czech Republic)  
Nita Victor - Nat. Inst. Marine Research & Dev. Gr. Antipa, Constanta (Romania)  
Outred Heather A. - Massey University, Palmerston North (New Zealand)  
Paschos Ioannis - Technological Educational Institute of Epirus (Greece)  
Pop Victor - Institute of Biological Research, Cluj-Napoca (Romania)  
Popescu Irinel – "Al. I. Cuza" University, Faculty of Biology (Romania)  
Sangpradub Narumon - Khon Kaen University, Khon Kaen (Thailand)  
Sas Istvan – University of Oradea, Faculty of Sciences (Romania)  
Sinitean Adrian - West University of Timisoara, Timisoara (Romania)  
Zamfirescu Stefan – "Al. I. Cuza" University, Faculty of Biology (Romania)

### **Editorial Councillor**

Velter Victor: UEFISCDI, Bucharest (Romania)

### **Standard Board**

Arockiaraj A. Jesu: Cheju National University (South Korea)  
Blas Raul Humberto Sevillano - Univ. Nacional Agraria La Molina (Peru)  
Bourne Godfrey Roderick - Univ. Missouri-St Louis (USA), CEIBA (Guyana)  
Brasovean Ioan - USAMV Cluj, Cluj-Napoca (Romania)  
Brunner Andreas - Extechna GmbH (Switzerland)  
Buburuz Dionisie – Academy of Environmental Sciences (Republic of Moldavia)  
Burny Philippe – Universite de Liege (Belgium)  
Caipang Christopher M.A. - Biovivo Technologies AS, Bodø (Norway); Indep. res. (Philippines)  
Chanda Kelvin M. - Lusitu High School, Siavonga (Zambia)  
Chongling Yan - Xiamen University, Xiamen (China)  
Csep Laszlo - Bioflux, Cluj-Napoca (Romania)  
Fendrihan Sergiu - Romanian Bioresource Centre, Bucharest (Romania)  
Hasanuzzaman Mirza - Kagawa Univ. (Japan); Sher-e-Bangla Agric. Univ. (Bangladesh)  
Iederan Cristian Ioan - USAMV Cluj, Cluj-Napoca (Romania)  
Iftime Alexandru - "Grigore Antipa" National Museum of Natural History (Romania)  
Nowak Michal – University of Agriculture in Krakow (Poland)  
Odagiu Antonia - USAMV Cluj, Cluj-Napoca (Romania)  
Oroian Ioan - USAMV Cluj, Cluj-Napoca (Romania)  
Oroian Teofil - USAMV Cluj, Cluj-Napoca (Romania)  
Pacioglu Octavian - Roehampton University, London (England)  
Petrescu Dacia Crina - "Babes-Bolyai" University, Cluj-Napoca (Romania)  
Peteiro Cesar - Spanish Institute of Oceanography (IEO), Santander (Spain)  
Rahman Motiur - Silvacom Ltd., Edmonton (Canada)  
Rahman Mohammed M. - Kochi University, Kochi (Japan)  
Roibu Catalin-Constantin - University Stefan cel Mare, Suceava (Romania)  
Tugui Olimpia Ramona - Univ. Lyon II Lumiere (France)

---

### **Contact Publisher**

SC Bioflux SRL, 54 Ceahlău Str., Cluj-Napoca, 400488, Romania, European Union.  
Ioan Valentin Petrescu-Mag,  
e-mail: zoobiomag2004@yahoo.com

---

### **Open Access – The Real Sense**

Note that there is also an electronic version of the journal. You may download the fulltext version of AES Bioflux – Volume 5/2013 from the following link:  
<http://www.aes.bioflux.com.ro/>

---

**Peer review:** all articles included in AES 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.

---

## Indexes and Abstracting

AES Bioflux is indexed, fulltext reproduced, or abstracted by the following databases, digital libraries and search engines:

Thomson - Master Journal List (Zoological Record)  
ISI Web of Knowledge (Thomson Reuters, via Zoological Record)  
ISI Web of Knowledge (Thomson Reuters, via CABI)  
EBSCOhost Online Research Databases  
Geobase (part of Elsevier Products)  
CAB International (CABI, UK)  
Index Copernicus  
DOAJ (Lund University Library)  
Wolters Kluwer - Ovid LinkSolver (via CABI)  
CAB Direct (as part of CABI)  
Ulrich's Periodicals Directory  
Serials Solutions  
Socolar (CEPIEC, China)  
Open J-Gate: World's Biggest Open Access English Language Journals Portal  
CNCSIS Romania (Rank: B+)  
NewJour (Georgetown University Digital Library)  
University of Washington Libraries (Digital Library)  
University of Nevada, Reno (University Libraries - Catalogue)  
Universitat Regensburg (Digital Library)  
American University of Armenia - Koha Online Catalog  
AcademicLink (Digital Library)  
University Town Library of Shenzhen (Digital Library)  
VUB University Library (Digital Library)  
Geneva Foundation for Medical Education and Research (Digital Library)  
Charles Sturt University (Digital Library)  
Library of Congress Home (Digital Library)  
ArgosBiotech Science Media (Digital Library)  
Tsukuba Digital Library  
Scirus Search Engine (Elsevier BV) - For Scientific Information Only  
GOOGLE - Search Engine  
GOOGLE SCHOLAR (Academic) - Search Engine  
Yahoo - Search Engine  
and many others.

## Our collaborators

### Zoological Record (part of Biosis)

ION contains the organism names related data gathered from the scientific literature for Thomson Reuters' *Zoological Record*<sup>®</sup> database. Viruses, bacteria and plant names will be added from other Thomson Reuters databases such as *BIOSIS Previews*<sup>®</sup> and *Biological Abstracts*<sup>®</sup>



# ELSEVIER PRODUCTS

Elsevier B.V., Bibliographic Databases, Radarweg 29, 1043 NX Amsterdam, The Netherlands.



## 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. Our mission and direction is influenced by our member countries who help guide the activities we undertake. These include scientific publishing, development projects and research, and microbial services. 2010 marks 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

Petrescu D.-C., Oroian I. G., Proorocu M., Mihaiescu T., Paulette L., Varban D., 2013 Organic products: consumption habits and perceptions. AES Bioflux 5(1):1-9.

Petrescu-Mag R. M., Varban D., Proorocu M., Paulette L., Mihaiescu T., Petrescu-Mag I. V., 2013 The “Common but Differentiated Responsibility” viewed as a soft law instrument and its reflection in some international environmental acts. AES Bioflux 5(1):10-14.

Torres M. A. J., Figueras G. S., LuceNo A. J. M., Patiluna M. L. E., Manting M. M. E., Rampola R. B., Joshi R. C., Barrion A. T., Sebastian L. S., Demayo C. G., 2013 Describing phenotypic diversity in an outbreak population of Rice Black Bugs from Balangao, Diplahan, Zamboanga Sibugay, Philippines, using principal component analysis and K-means clustering of morphological attributes. AES Bioflux 5(1):15-22.

Maguinsay C. S., Teves F. G., 2013 Beta-Glucosidase production by *Aspergillus niger* van Tieghem using submerged fermentation of pineapple waste. AES Bioflux 5(1):23-29.

Almeria M. L., Nuneza O. M., 2013 Amphibian diversity and endemism in the swamp forests of Agusan Marsh, Agusan del Sur, Philippines. AES Bioflux 5(1):30-48.

Perpetua M. D., Gorospe J. G., Torres M. A. J., Demayo C. G., 2013 Diet composition based on stomach content of the Streaked spinefoot (*Siganus javus*) from three coastal bays in Mindanao, Philippines. AES Bioflux 5(1):49-61.