ELBA Bioflux, Volume 3(2) December, 12, 2011

Extreme Life, Biospeology & Astrobiology - International Journal of the Bioflux Society





International Standard Serial Number Print ISSN 2066-7671; Online ISSN 2067-6360

Published by Bioflux; twice a year.

ELBA Bioflux welcomes original articles, reviews, minireviews, short notes, letters, opinions and editorials on extremophilic species, cave species or communities, astrobiology, cryopreservation, microbiology and lichenology.

Editorial Board Expanded

11 Countries (from 3 continents): Romania, Poland, India, Iran, Thailand, Japan, Bangladesh, Canada, USA, Norway and Philippines.

*Editor in Chief

Carpa Rahela - Babes-Bolyai University, Cluj-Napoca (Romania)

*Fditors

Butiuc-Keul Anca - Babes-Bolyai University, Cluj-Napoca (Romania)
Oroian Ioan - Univ. Agricultural Sciences & Vet. Medicine Cluj-Napoca (Romania)
Petrescu-Mag Ruxandra Mălina - Babes-Bolyai University, Cluj-Napoca (Romania)
Petrescu-Mag Ioan Valentin - USAMV Iasi, Iasi (Romania)
Petrovici Milca - West University of Timisoara, Timisoara (Romania)
Pimda Witaya - Khon Kaen University, Muang Khon Kaen (Thailand)
Pricop Emilian - Alexandru Ioan Cuza University, Iasi (Romania)
Zambare Vasudeo - South Dakota School of Mines and Technology (USA)

*Honorary Editors

Buckhale Gerard - Independent researcher, Ottawa (Canada) Bunnag Sumontip - Khon Kaen University, Muang Khon Kaen (Thailand) Dobrota Cristina - Babes-Bolyai University, Cluj-Napoca (Romania)

Scientific Reviewers Caipang Cristopher M.A. - Univ. Nordland, Bodoe (Norway); Indep. res. (Philippines) Costea Ramona Ioana - USAMV Cluj, Cluj-Napoca (Romania) Csep Laszlo - USAMV Cluj, Cluj-Napoca (Romania) Czyżewska Urszula K. - John Paul II Catholic University of Lublin (Poland) Fendrihan Sergiu - Romanian Bioresource Centre, Bucharest (Romania) Gagyi-Palffy Andreea – Babes-Bolyai University, Cluj-Napoca (Romania) Gavriloaie Claudiu - Technical College "INFOEL", Bistrita (Romania) Hasanuzzaman Mirza - Kagawa Univ. (Japan); Sher-e-Bangla Agric. Univ. (Bangladesh) Maior Cornelia Maria - Babes-Bolyai University, Cluj-Napoca (Romania) Negrea Bogdan Mihai - "Stefan cel Mare" University, Suceava (Romania) Pasarin Benone - USAMV Iasi, Iasi (Romania) Petrescu Dacinia Crina - Babes-Bolyai University, Cluj-Napoca (Romania) Ravindran Gobinath - PSNA CET, Pethanachi Illam (India) Reza Kamali-Far - Bushehr University of Persian Gulf (Iran) Shukla Pratyoosh - BIT Mesra, Deemed University, Ranchi (India) Stoian Laurentiu – Babes-Bolyai University, Cluj-Napoca (Romania)

*Editors and Honorary Editors are also Scientific Reviewers

Contact Publisher

Bioflux Publishing House

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

Coverage

Thomson - Master Journal List (Zoological Record)

ISI Web of Knowledge - Thomson Reuters (via Zoological Record)

ISI Web of Knowledge - Thomson Reuters (via CABI)

Index Copernicus International (ICV=4.51)

CAB International (CABI, UK)

DOAJ (Lund University Library)

EBSCO Publishing - EBSCOhost

Socolar (CEPIEC, China)

Ulrich's Periodicals Directory

Serials Solutions

Wolters Kluwer - OVID LinkSolver (via CABI)

CAB Direct (part of CABI)

CNCSIS - quoted B+

Open J Gate (World's Biggest Open Access English Language Journals Portal)

University of Washington - University Libraries (Digital Library)

NewJour (Georgetown University Digital Library)

Directory of E-Journals

New School Libraries - Get it!

Korea University Library

Astronomy Resources

Google Scholar (Academic Search Engine)

Scirus (For Academic Information Only)

GOOGLE - Search Engine

Yahoo - Search Engine

(and other several tens of indexes)

Our collaborators

Zoological Record (part of Biosis)

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











Index Copernicus (IC) is a world-wide gateway to complex scientific information.

This system is aimed at: academic-level researchers, clinical practitioners, information and reprint providers, librarians, journal editors, government agencies.

Contact:

Al. Jerozolimskie 146 C 02-305 Warsaw, Poland. Tel: +48 22 347 50 77

E-mail: office@IndexCopernicus.com

Socol@r

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

Fetke R., Carpa R., Dragan-Bularda M., 2011 Research on the qualitative enzymatic activities in sediments from Secu and Gozna-Valiug dam reservoirs, Caras-Severin county (Romania). ELBA Bioflux **3**(2):67-76.

Gwaza D. S., Ahemen T., Egahi J. O., 2011 Interaction of breeds, years, age of bird and pen effects on hen day lay of three layer breeds and their adaptation in the derived Southern Guinea Savannah of Nigeria. ELBA Bioflux **3**(2):77-82.

Alizadeh O., Parsaeimehr A., 2011 A study on the inoculated root of *Sorghum vulgare* by mycorrhiza under the water stress condition. ELBA Bioflux **3**(2):83-88.

Petrescu-Mag I. V., Oroian I. G., Pasarin B., Petrescu-Mag R. M., 2011 Methane in outer space: The limit between organic and inorganic. ELBA Bioflux **3**(2):89-92.

Alizadeh O., Parsaeimehr A., 2011 The influence of Plant Growth Promoting Rhizobacteria (PGPR) on the reduction of abiotic stresses in crops. ELBA Bioflux **3**(2):93-99.

