

Contents

Badillo, R., Banner, W., Morris, J. A. Jr., Schaeffer, S., 2011. A case study of lionfish sting-induced paralysis. *Aquaculture, Aquarium, Conservation & Legislation* 5(1): 1-3.

Ikhwanuddin, M., Azra, M. N., Talpur, M. A. D., Abol-Munafi, A. B., Shabdin, M. L., 2012. Optimal water temperature and salinity for production of blue swimming crab, *Portunus pelagicus* 1st day juvenile crab. *Aquaculture, Aquarium, Conservation & Legislation* 5(1):4-8.

Shei, M. R. P., Rodrigues, R. V., Sampaio, L. A., 2012. Use of commercial live feeds enrichment during first feeding period of the barber goby *Elacatinus figaro*. *Aquaculture, Aquarium, Conservation & Legislation* 5(1):9-12.

Alambra, J. R., Alenton, R. R. R., Gulpeo, C. P. R., Mecnas, C. L., Miranda, A. P., Thomas, R. C., Velando, M. K. S., Vitug, L. D., Maningas, M. B. B., 2012. Immunomodulatory effects of turmeric, *Curcuma longa* (Magnoliophyta, Zingiberaceae) on *Macrobrachium rosenbergii* (Crustacea, Palaemonidae) against *Vibrio alginolyticus* (Proteobacteria, Vibrionaceae). *Aquaculture, Aquarium, Conservation & Legislation* 5(1):13-17.

Farhangi, M., Rostami-Charati, F., 2012. Increasing of survival rate to *Acipenser persicus* by added Clinoptilolite zeolite in acute toxicity test of ammonia. *Aquaculture, Aquarium, Conservation & Legislation* 5(1):18-22.

Baird, A. H., Campbell, S. J., Fadli, N., Hoey, A. S., Rudi, E., 2012. The shallow water hard corals of Pulau Weh, Aceh Province, Indonesia. *Aquaculture, Aquarium, Conservation & Legislation* 5(1):23-28.

Putra, D. F., Abol-Munafi, A. B., Muchlisin, Z. A., Chen, J. C., 2012. Preliminary studies on morphology and digestive tract development of tomato clownfish, *Amphiprion frenatus* under captive condition. *Aquaculture, Aquarium, Conservation & Legislation* 5(1):29-35.

Muzaifa, M., Safriani, N., Fahrizal, Z., 2012. Production of protein hydrolysates from fish by-product prepared by enzymatic hydrolysis. *Aquaculture, Aquarium, Conservation & Legislation* 5(1):36-39.

Nasir, M., Yasin, Z., Shau-Hwai, A. T., Adlim, M., Munira, M. A., 2012. Determination of seasonal skeletal growth layers in *Porites lutea* colonies from Teluk Nyior reefs, Langkawi Island, Malaysia. *Aquaculture, Aquarium, Conservation & Legislation* 5(1):40-43.

Nita, V., Zaharia, T., Nenciu, M., Cristea, M., Tiganov, G., 2012. Current state overview of the Vama Veche - 2 Mai Marine Reserve, Black Sea, Romania. *Aquaculture, Aquarium, Conservation & Legislation* 5(1):44-54.

International Standard Serial Number
Online ISSN 1844–9166; Printed ISSN 1844-8143

Published by Bioflux – five issues/year

The journal includes original papers, short communications, and reviews on Aquaculture (Biology, Technology, Economy, Marketing), Fish Genetics and Improvement, Aquarium Sciences, Fisheries, Ichthyology, Aquatic Ecology, Conservation of Aquatic Resources and Legislation (in connection with aquatic issues) from wide world.

International Editorial Board

39 Countries (5 continents): Romania, USA, Guyana, Canada, Republic of Moldavia, Belgium, Italy, Spain, Peru, Turkey, Venezuela, Poland, Croatia, Germany, Finland, Slovakia, India, Pakistan, Israel, Switzerland, Hungary, Bangladesh, Palestinian Authority, Nigeria, South Korea, Greece, England, China, Japan, France, Thailand, Malaysia, Indonesia, Iran, Philippines, Norway, Republic of Armenia, Brazil and Slovenia.

Editorial Board Expanded

Editors-in-Chief:

Rhyne Andrew: Roger Williams University; New England Aquarium, Boston (USA)
Gavriloaie Ionel-Claudiu (reserve): Technical College "INFOEL" Bistrita (Romania).

Editors:

Arockiaraj A. Jesu: Cheju National University (South Korea)
Caipang Cristopher M.A.: Univ. Nordland, Bodoe (Norway); Indep. res. (Philippines)
Dimaggio Matthew A.: University of Florida (USA)
Mehrad Bahareh: Gorgan University of Agricultural Sciences and Nat. Res. (Iran)
Muchlisin Zainal Abidin: Universiti Sains (Malaysia), Syiah Kuala University (Indonesia)
Muscalu Radu: Sterlet SRL, Timisoara (Romania)
Olivotto Ike: Universita Politecnica delle Marche, Ancona (Italy)
Petrescu-Mag I. Valentin: USAMV Iasi, Iasi; USAMV Cluj, Cluj-Napoca (Romania)
Parvulescu Lucian: West University of Timisoara (Romania)
Petrescu-Mag Ruxandra Malina: UBB Cluj-Napoca, Bioflux SRL (Romania)
Petrovici Milca: West University of Timisoara (Romania)
Tlusty Michael F.: New England Aquarium, Boston (USA)
Wittenrich Matthew L.: University of Florida (USA)

Journal Secretary:

Nowak Michal: University of Agriculture in Krakow (Poland)

Honorary Editors:

Appelbaum Samuel: University of the Negev (Israel)
Bourne Godfrey Roderick: Univ. Missouri-St Louis (USA), CEIBA (Guyana)
Breden Felix: Simon Fraser University (Canada)
Bud Ioan: USAMV Cluj (Romania)
Bura Marian: USAMVB Timisoara (Romania)
Burny Philippe: Universite de Liege (Belgium)
Creanga Steofil: USAMV Iasi, Iasi (Romania)
Cristea Victor: Dunarea de Jos University of Galati (Romania)
Dragos Nicolae: UBB Cluj-Napoca (Romania)
Grozea Adrian: USAMVB Timisoara (Romania)
Miclaus Viorel: USAMV Cluj (Romania)
Molnar Kalman: Hungarian Academy of Sciences, Budapest (Hungary)
Naghiu Alexandru: USAMV Cj(Ro), Nat.Acad.Agric.Sci.(It), Univ.Leon(Sp)
Oroian Ioan: USAMV Cluj, Cluj-Napoca (Romania)
Pasarin Benone: USAMV Iasi, Iasi (Romania)
Usturoi Marius Giorgi: USAMV Iasi, Iasi (Romania)

Editorial councillor:

Velter Victor: UEFISCDI, Bucharest (Romania)

Scientific Reviewers:

Abdullah Khalid: Agricultural Research Institute Ratta Kulachi (Pakistan)
Abraham T. Jawahar: West Bengal Univ. of Animal & Fishery Sciences (India)
Adewolu Morenike A.: Lagos State University, Ojo (Nigeria)
Aftabuddin Sheikh: University of Chittagong (Bangladesh)
Al-Qutob Mutaz: Al-Quds University (Palestinian Authority)
Banaduc Doru Stelian: Lucian Blaga University of Sibiu (Romania)
Banatean-Dunea Ioan: USAMVB Timisoara (Romania)
Berkesy Corina: ICPE Bistrita (Romania)
Blas Raul Humberto Sevillano: Univ. Nacional Agraria La Molina (Peru)
Boaru Anca: USAMV Cluj, 3M AGC SRL, Cluj-Napoca (Romania)
Brunner Andreas: Swiss Federal Institute of Technology (Switzerland)

Brunio Erwin O.: Tokyo University of Marine Science & Technology (Japan)
 Celik Meryem Yesim: University of Sinop (Turkey)
 Cocan Daniel: USAMV Cluj, Cluj-Napoca (Romania)
 Cosier Viorica: USAMV Cluj (Romania)
 Costa Daniel Ribeiro: Federal Rural University of Amazon, Belem (Brazil)
 Costea Ramona Ioana: USAMV Cluj (Romania)
 Cotutiu Mihaela Ioana: Technical College INFOEL, Bistrita (Romania)
 Covaciu-Marcov Severus D.: University of Oradea (Romania)
 Csep Laszlo: Bioflux, Cluj-Napoca (Romania)
 Dediu Lorena: Dunarea de Jos University of Galati (Romania)
 Docan Angela: Dunarea de Jos University of Galati (Romania)
 Gal Denes: Research Inst. for Fisheries, Aquaculture & Irrigation, Szarvas (Hungary)
 Galca Valerica: USAMV Iasi, Iasi (Romania)
 Galca Ioan: USAMV Iasi, Iasi (Romania)
 Gavrilovic Ana: University of Dubrovnik, Dubrovnik (Croatia)
 Gospic Daniel: G2O d.o.o. (Slovenia)
 Gorgan Lucian Dragos: UAIC Iasi (Romania)
 Hajirezaee Saeed: University of Teheran, Karaj (Iran)
 Hoha Gabriel: USAMV Iasi, Iasi (Romania)
 Iorga Eugen: Institutul de Tehnologii Alimentare (Rep. Moldavia)
 Islam Kazi Shakila: Xiamen University, Xiamen (China)
 Jakab Endre: UBB Cluj-Napoca (Romania)
 Kabir Milad: Gorgan University of Agricultural Sciences and Nat. Res. (Iran)
 Karayucel Ismihan: University of Sinop (Turkey)
 Kempkes Michael: Deutschen Guppyföderation (Germany)
 Kosco Jan: Presov University, Presov (Slovakia)
 Luangpirom Ampa: Khon Kaen University, Khon Kaen (Thailand)
 Malos Cristian: UBB Cluj-Napoca (Romania)
 Manko Peter: Presov University, Presov (Slovakia)
 Montana Carmen: UNELLEZ, Barinas (Venezuela), University of Texas (USA)
 Muntean Octavian Liviu: UBB Cluj-Napoca (Romania)
 Muscalu-Nagy Cristina: Sterlet SRL, Timisoara (Romania)
 Ndimele Prince Emeka: Lagos State University, Ojo, Lagos (Nigeria)
 Nita Victor: Nat. Inst. Marine Research & Dev. Gr. Antipa, Constanta (Romania)
 Odagiu Antonia: USAMV Cluj, Cluj-Napoca (Romania)
 Oprea Lucian: Dunarea de Jos University, Galati (Romania)
 Oroian Teofil: USAMV Cluj, Cluj-Napoca (Romania)
 Pacioglu Octavian: Roehampton University, London (England)
 Parsaeimehr Ali: National Academy of Science, Yerevan (Republic of Armenia)
 Perdikaris Costas: Technological Educational Institute of Epirus (Greece)
 Perkovic Anica: University of Josip Juraj Strossmayer, Osijek (Croatia)
 Petrescu Dacinia Crina: UBB Cluj-Napoca (Romania)
 Raghavan Rajeev: St. Albert's College, Kochi (India)
 Rahman Mohammed Mahabubur: Kochi University, Kochi (Japan)
 Rahmati-holasoo Hooman: University of Tehran, Tehran (Iran)
 Rosioru Corina: UBB Cluj-Napoca (Romania)
 Rus Vasile: USAMV Cluj, Cluj-Napoca (Romania)
 Sakkaravarthi Karuppiah: Annamalai University, Tamil Nadu (India)
 Sahlean Tiberiu: University of Bucharest (Romania)
 Sas Istvan: University of Oradea, Oradea (Romania)
 Savin Anatol: ASM Institute of Zoology (Rep. Moldavia)
 Taati M. Mehdi: Gorgan University of Agricultural Sciences and Nat. Res. (Iran)
 Tugui Olimpia Ramona: Univ. Lyon II Lumiere (France)
 Turcu Mihaela Claudia: University of Turku, Turku (Finland)
 Udoh James P.: University of Uyo, Uyo (Nigeria)
 Vesa Stefan Cristian: Iuliu Hatieganu UMF, Cluj-Napoca (Romania)
 Vintila Iuliana: "Dunarea de Jos" University Galati (Romania)
 Zamfirescu Stefan: UAIC Iasi, Iasi (Romania)

Contact Publisher

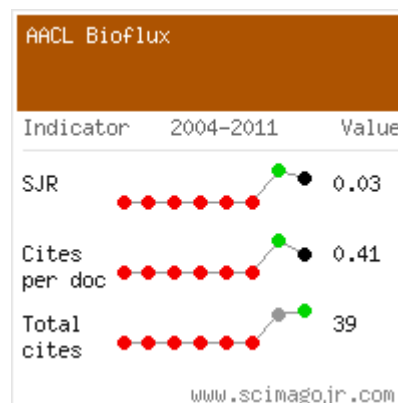
SC Bioflux SRL, 54 Ceahlău Street, Cluj-Napoca, 400488, Romania, European Union.
 Ioan Valentin Petrescu-Mag, e-mail: zoobiomag2004@yahoo.com

Note that there is also an electronic version of the journal. You may download the fulltext version of AACL Bioflux – Volume 5/2012 from <http://www.bioflux.com.ro/aac/> -open access.

All articles included in AACL 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.

AAFL Bioflux has a publishing agreement, or is indexed, abstracted or fulltext reproduced by/in the following scholar/scientific databases, search engines, libraries, publishers (over 100):

Thomson Reuters Scientific - ISI Web of Knowledge (not yet WoS)
 Thomson Reuters Scientific - Master Journal List (via Zoological Record)
 Thomson Reuters Scientific - Zoological Record (direct submission/coverage)
 Scopus - Elsevier; Sciverse (SNIP= 0.943)
 Scimago - Journal Rank (SJR= 0.031)
 CAB International - CAB Abstracts
 Index Copernicus International – I.C. Journals Master List (ICV= 9.00)
 China Educational Publications Import & Export Corporation - SOCOLAR
 Ulrich's Periodicals Directory
 EBSCO – EBSCOhost Online Research Databases
 CAB Direct (as part of CABI)
 Wolters Kluwer - Ovid LinkSolver
 CNCSIS Romania (Rank: B+)
 Polish Ministry of Science and Higher Education – 2.00 pts/article
 The National Science Digital Library - NSDL
 The University of Hong Kong Libraries – HKUL Database
 Deutsche Nationalbibliothek - ZDB Database
 State Library of Ohio - OhioLINK Database
 Smithsonian Institution Libraries
 Biblioteka Główna Uniwersytetu Medycznego w Poznaniu
 Google Scholar, Academic (search engine)
 Google (search engine)
 Scirus - for scientific information only (Elsevier BV)
 Athabasca University - ICAAP Database
 University of Southampton - ROAR
 Georgetown University Library - NewJour
 Università degli Studi di Modena e Reggio Emilia – SBA, Risorse Elettroniche
 Simon Fraser University - PKP
 University of Tsukuba - Tulips Database
 Teikyo Scientific University- NTU Database
 LIS Links: Link Library of Open Access English Language Journals
 Fayetteville State University - Charles W. Chesnutt Library
 Vrije Universiteit Brussel - VUB e-journal list
 Russian CJDB
 Universität Giessen - Digitale Bibliothek
 Pace University Library
 Tel Aviv University. Gitter-Smolarz Library of Life Sciences and Medicine
 MALMAD – Israel Center for Digital Information Services
 California State University – Monterey Bay Library
 Réseau des Bibliothèques de l'Université Joseph Fourier et de l'Institut National Polytechnique de Grenoble
 University of Saskatchewan – University Library (Electronic Journals)
 YanXue Resource – YXRES
 Feng Chia University – Electronic Library
 Main Library of the University of Agriculture in Krakow
 SUMMON Database
 uOttawa Library
 Università di Roma Tor Vergata - Digital Library
 UTC Lupton Library
 University of Notre Dame - Hesburgh Libraries
 Guilford College - Hege Library
 Eastern Michigan University Library - Periodicals locator
 Universiteitsbibliotheek Gent - Tijdschriften
 Chung Yuan Christian University Library
 ArgosBiotech
 Ecole Polytechnique Federale de Lausanne - Library
 Rowan University – Library Services
 James Cook University Library – Australia
 Ministerstwo Nauki i Szkolnictwa Wzszego Warszawa
 Kun Shan University Library
 CCG-IBT Biblioteca
 Reference Zone – Nigeria
 Dayang Journal System
 Riley-Hickingbotham Library
 Politechnika Wroclawska
 Université Paris Diderot – Revues Electroniques
 ERSA – Chinese Library
 ISSN International Center – ISSN Portal
 and many others.

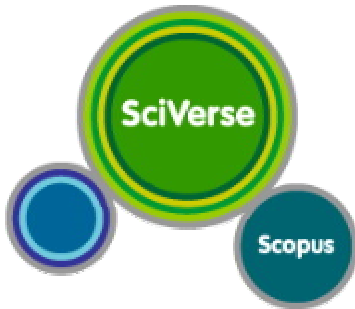


AAFL Bioflux is currently included in "Source Titles – Top 25% SNIP" by:



<http://www.researchbenchmarking.org/web/question/coverage>

Our collaborators



SciVerse Scopus is the world's largest abstract and citation database of peer-reviewed literature and quality web sources. Contains 41 million records, 70% with abstracts; Nearly 18,000 titles from 5,000 publishers worldwide; 70% of content is pulled from international sources; Includes over 3 million conference papers; Provides 100% Medline coverage; Offers sophisticated tools to track, analyze and visualize research.



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.



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

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

