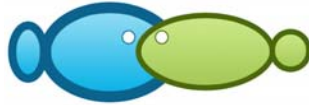


AACL Bioflux, Volume 8(6)
December 30, 2015



Contents

Okpala C. O. R., Bono G., Gancitano V., 2015 Consumer propensity to purchase non-chemical treated crustacean product: a case study of Italy. AAAL Bioflux 8(6):839-845.

Saville R., Riani E., Hatanaka K., 2015 The role of mobile phone among small scale fishermen for life improvement and community support tool in Indonesian coastal area. AAAL Bioflux 8(6):846-854.

Jouladeh-Roudbar A., Vatandoust S., Eagderi S., Jafari-Kenari S., Mousavi-Sabet H., 2015 Freshwater fishes of Iran; an updated checklist. AAAL Bioflux 8(6):855-909.

Tripoli F. F. D., Genecera J., Matela M. N. V., Fanuga K. J. D., Velasco D. G. M., Landero R. S., Cataluna R. B., Torres M. A. J., Requieron E. A., Bigsang R. T., 2015 Sexual dimorphism in the shell shape of the golden apple snail, *Pomacea canaliculata*. AAAL Bioflux 8(6):910-923.

Kawaroe M., Prartono T., Hwangbo J., Sunuddin A., Augustine D., Gustina A. S., 2015 Effect of ethyl methane sulfonate (EMS) on cell size, fatty acid content, growth rate, and antioxidant activities of microalgae *Dunaliella* sp. AAAL Bioflux 8(6):924-932.

Sriariyanuwath E., Sangpradub N., Hanjavanit C., 2015 Diversity of chironomid larvae in relation to water quality in the Phong River, Thailand. AAAL Bioflux 8(6):933-945.

Okpala C. O. R., Bono G., Norritto G., 2015 Comparing chemical and chemical-free crustacean products: hypothesis of price-quantity-periodicity of purchase (P-Q-P) by consumer types. AAAL Bioflux 8(6):946-951.

Simeanu C., Pasarin B., Simeanu D., Gradinaru A., 2015 *Polyodon spathula* - a review on its biodiversity, meat quality, and environmental impact in Romania. AAAL Bioflux 8(6):952-959.

Baali A., Yahyaoui A., Amenzoui K., Manchih K., Abderrazik W., 2015 A preliminary study of reproduction, age and growth of *Sardinella aurita* (Valenciennes, 1847) in the southern of Atlantic Moroccan area. AAAL Bioflux 8(6):960-974.

Diatin I., Suprayudi M. A., Budiardi T., Surawidjaja E. H., Widanarni, 2015 Intensive culture of corydoras ornamental fish (*Corydoras aeneus*): evaluation of stocking density and water exchange. AAAL Bioflux 8(6):975-987.

Nekuie Fard A., Seidgar M., Azadikhah D., 2015 The study of frozen *Astacus leptodactylus* tail fillet quality changes. AAAL Bioflux 8(6):988-998.

Moniruzzaman M., Uddin K. B., Basak S., Bashar A., Mahmud Y., Zaher M., Lee S., Bai S. C., 2015 Effects of stocking density on growth performance and yield of Thai silver barb *Barbonymus gonionotus* reared in floating net cages in Kaptai Lake, Bangladesh. AACL Bioflux 8(6):999-1008.

Cantabaco J. K. O., Celedio S. F., Gubalani C. M. B., Sialana R. J., Torres M. A. J., Requieron E. A., Martin T. T. B., 2015 Determining sexual dimorphism in Bigtooth Pomfret, *Brama orcini*, in Tuka Bay, Kiamba, Sarangani Province. AACL Bioflux 8(6):1009-1018.

Apines-Amar M. J. S., Coloso R. M., Jaspe C. J., Salvilla J. M., Murillo M. N. A., Saclauso C. A., 2015 Partial replacement of soybean meal with fermented copra meal in milkfish (*Chanos chanos*, Forsskal) diet. AACL Bioflux 8(6):1019-1026.

Digo E. O., Abad K. L. M., Guino-o I. J. B., Samillano L. K. C., Eduque Jr. R. M., Torres M. A. J., Requieron E. A., 2015 Application of geometric morphometrics in the body shapes of flying fish (*Parexocoetus brachypterus*) in Maitum, Sarangani Province. AACL Bioflux 8(6):1027-1034.

Oroian I. G., 2015 Sexual selection: driving force of speciation in fish. AACL Bioflux 8(6):1035-1037.

Coroian C. O., Miresan V., Cocan D. I., Vatu R. D., Raducu C. M., Coroian A., 2015 Growth performance of common carp (*Cyprinus carpio* L.) fingerlings fed with various protein levels. AACL Bioflux 8(6):1038-1047.

Pregiwati L. A., Baskoro M. S., Wiryawan B., Wisudo S. H., Satria A., 2015 Linking indicators for ecosystem approach to fisheries management and management of marine protected area effectiveness in Anambas Island, Indonesia. AACL Bioflux 8(6):1048-1063.

Coroian C. O., Coroian A., Raducu C. M., Atodiresei A. C., Cocan D. I., Miresan V., 2015 Influence of various fat levels on meat quality in rainbow trout (*Oncorhynchus mykiss*) and brook trout (*Salvelinus fontinalis*). AACL Bioflux 8(6):1064-1071.

Giducos C. S., Karim S. I., Diamalon A. L., Piang M. M., Torres M. A. J., Requieron E. A., 2015 Describing the shape of *Sardinella lemuru* from Sarangani Bay, Philippines using the landmark-based geometric morphometric analysis. AACL Bioflux 8(6):1072-1080.

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

Published by Bioflux – six issues/year (bimonthly); in cooperation with New England Aquarium (USA) and Natural Sciences Museum Complex (Constanta, Romania)

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.

Editor-in-Chief:

Petrescu-Mag I. Valentin: USAMV Cluj, Cluj-Napoca; University of Oradea, Oradea (Romania)
Gavriloaie Ionel-Claudiu (reserve): SC Bioflux SRL, Cluj-Napoca (Romania)

Journal Secretary:

Nowak Michal: University of Agriculture in Krakow (Poland)

Editors:

Adascalitei Oana: Maritime University of Constanta (Romania)
Arockiaraj A. Jesu: SRM University, Chennai (India)
Bavaru Adrian: Ovidius University, Constanta (Romania)
Botha Miklos: Bioflux SRL, Cluj-Napoca (Romania)
Breden Felix: Simon Fraser University (Canada)
Brezeanu Gheorghe: Romanian Academy of Science, Bucharest (Romania)
Bud Ioan: USAMV Cluj (Romania)
Burny Philippe: Universite de Liege (Belgium)
Caipang Cristopher M.A.: Temasek Polytechnic (Singapore)
Codreanu Mario: USAMV Bucuresti, Bucharest (Romania)
Cosma Dorin: West University of Timisoara (Romania)
Creanga Steofil: USAMV Iasi, Iasi (Romania)
Cristea Victor: Dunarea de Jos University of Galati (Romania)
Dimaggio Matthew A.: University of Florida (USA)
Dutu Mircea: The Ecological University of Bucharest (Romania)
Gaina Viorel: University of Craiova (Romania)
Gal Denes: Research Inst. for Fisheries, Aquaculture & Irrigation, Szarvas (Hungary)
Georgescu Bogdan: USAMV Cluj, Cluj-Napoca (Romania)
Grozea Adrian: USAMVB Timisoara (Romania)
Hermosilla Joepette J.: Tokyo Univ. of Marine Sci. & Tech., Minato, Tokyo (Japan)
Malinas Cristian: USAMV Cluj, Cluj-Napoca (Romania)
Mehrad Bahar: Gorgan University of Agricultural Sciences and Nat. Res. (Iran)
Miclau Viorel: USAMV Cluj, Cluj-Napoca (Romania)
Molnar Kalman: Hungarian Academy of Sciences, Budapest (Hungary)
Muchlisin Zainal Abidin: Universiti Sains (Malaysia), Syiah Kuala University (Indonesia)
Murariu Dumitru: Grigore Antipa Museum of Natural History, Bucharest (Romania)
Olivotto Ike: Universita Politecnica delle Marche, Ancona (Italy)
Oroian Ioan: USAMV Cluj, Cluj-Napoca (Romania)
Papadopol Nicolae: Natural Sciences Museum Complex, Constanta (Romania)
Parvulescu Lucian: West University of Timisoara (Romania)
Pasarin Benone: USAMV Iasi, Iasi (Romania)
Petrescu-Mag Ruxandra Malina: Babes-Bolyai University, Cluj-Napoca (Romania)
Petrovici Milca: West University of Timisoara (Romania)
Rhyne Andrew: Roger Williams University; New England Aquarium, Boston (USA)
Sima Nicusor Flaviu: USAMV Cluj, Cluj-Napoca (Romania)
Tlusty Michael F.: New England Aquarium, Boston (USA)
Vesa Stefan Cristian: Iuliu Hatieganu UMF, Cluj-Napoca (Romania)
Wittenrich Matthew L.: University of Florida (USA)

Editorial councillor:

Velter Victor: UEFISCDI, Bucharest (Romania)

Scientific Reviewers:

Abdullah Khalid: Agricultural Research Institute Ratta Kulachi (Pakistan)
Adewolu Morenike A.: Lagos State University, Ojo (Nigeria)
Aftabuddin Sheikh: University of Chittagong (Bangladesh)
Al-Qutob Mutaz: Al-Quds University (Palestinian Authority)
Alves-Vianna Rafael: Federal University of Vicosa (Brazil)
Antone Veronica: Natural Sciences Museum Complex, Constanta (Romania)
Banatean-Dunea Ioan: USAB Timisoara, Timisoara (Romania)
Berkesy Corina: ICPE Bistrita (Romania)
Boaru Anca: USAMV Cluj, Cluj-Napoca (Romania)

Brunio Erwin O.: Tokyo University of Marine Science & Technology (Japan)
 Calado Ricardo J. G.: University of Aveiro, Aveiro (Portugal)
 Celik Meryem Yesim: University of Sinop (Turkey)
 Chiorean Adriana: Natural Sciences Museum Complex, Constanta (Romania)
 Cocan Daniel: USAMV Cluj, Cluj-Napoca (Romania)
 Cosier Viorica: USAMV Cluj, Cluj-Napoca (Romania)
 Costa Daniel Ribeiro: Federal Rural University of Amazon, Belem (Brazil)
 Costea Ramona Ioana: "Stefan cel Mare" University of Suceava, (Romania)
 Cotutiu Mihaela Ioana: Technical College INFOEL, Bistrita (Romania)
 Covaciu-Marcov Severus D.: University of Oradea (Romania)
 Covrig Ilie: USAMV Cluj, Cluj-Napoca (Romania)
 Csep Laszlo: Bioflux, Cluj-Napoca (Romania)
 Curlisca Angelica: Natural Sciences Museum Complex, Constanta (Romania)
 Dediu Lorena: Dunarea de Jos University of Galati (Romania)
 Docan Angela: Dunarea de Jos University of Galati (Romania)
 Dragan Alina-Aida - Technical University, Cluj-Napoca (Romania)
 Galca Valerica: USAMV Iasi, Iasi (Romania)
 Gavrilovic Ana: University of Dubrovnik, Dubrovnik (Croatia)
 Ghira Ioan: Babes-Bolyai University, Cluj-Napoca (Romania)
 Gorgan Lucian Dragos: UAIC Iasi, Iasi (Romania)
 Gradinaru Andrei: USAMV Iasi, Iasi (Romania)
 Hajirezaee Saeed: University of Teheran, Karaj (Iran)
 Hoha Gabriel: USAMV Iasi, Iasi (Romania)
 Kabir Milad: Gorgan University of Agricultural Sciences and Nat. Res. (Iran)
 Kamali Sanzighi Mehrdad, Islamic of Azad University (Iran)
 Karayucel Ismihan: University of Sinop, Sinop (Turkey)
 Kosco Jan: Presov University, Presov (Slovakia)
 Luangpirom Ampa: Khon Kaen University, Khon Kaen (Thailand)
 Malos Cristian: Babes-Bolyai University, Cluj-Napoca (Romania)
 Manko Peter: Presov University, Presov (Slovakia)
 Monwar Mohammad M.: University of Chittagong (Bangladesh)
 Muntean Octavian Liviu: UBB Cluj-Napoca (Romania)
 Munteanu Florin: Natural Sciences Museum Complex, Constanta (Romania)
 Murray Joanna: CEFAS, Lowestoft (England)
 Musuka Confred G.: The Copperbelt University, Kitwe (Zambia)
 Ndimele Prince Emeka: Lagos State University, Ojo, Lagos (Nigeria)
 Nita Victor: Nat. Inst. Marine Research & Dev. Gr. Antipa, Constanta (Romania)
 Norma-Rashid Y.: University of Malaya, Kuala Lumpur (Malaysia)
 Okpala Charles O. R.: IAMC-CNR, Mazara del Vallo - TP (Italy)
 Oprea Lucian: Dunarea de Jos University, Galati (Romania)
 Oroian Teofil: USAMV Cluj, Cluj-Napoca (Romania)
 Pacioglu Octavian: Roehampton University, London (England)
 Palm Harry: University of Rostock, Rostock (Germany)
 Parsaeimehr Ali: National Academy of Science, Yerevan (Republic of Armenia)
 Perdikaris Costas: Technological Educational Institute of Epirus (Greece)
 Peteiro Cesar: Spanish Institute of Oceanography (IEO), Santander (Spain)
 Petrescu Dacinia Crina: Babes-Bolyai University, Cluj-Napoca (Romania)
 Popescu Irinel Eugen: UAIC Iasi, Iasi (Romania)
 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 Karuppiyah: Annamalai University, Tamil Nadu (India)
 Sas Istvan: University of Oradea, Oradea (Romania)
 Suteu Mihai: Independent researcher, Cluj-Napoca (Romania)
 Taati M. Mehdi: Gorgan University of Agricultural Sciences and Nat. Res. (Iran)
 Talu Stefan: Technical University of Cluj (Romania)
 Turcu Mihaela Claudia: University of Turku, Turku (Finland)
 Udoh James P.: University of Uyo, Uyo (Nigeria)
 Ustaoglu Tiril Serap: University of Sinop, Sinop (Turkey)
 Vintila Tuliana: "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 AAAL Bioflux – Volume 8/2015 from <http://www.bioflux.com.ro/aacl/> –open access.

All articles included in AAAL Bioflux are peer reviewed (single blind peer-review is used). Each published article was seen before by two reviewers; the two peer-reviews are made independently.

AACL 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):

ISI Web of Knowledge – via CABI and Zoological Record (not yet WoS)
Thomson Reuters Scientific - Master Journal List (via Zoological Record)
Zoological Record (direct submission/coverage)
Scopus - Elsevier; Sciverse
Scimago - Journal Rank
CAB International - CAB Abstracts
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
Google (search engine)
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 Wyższego Warszawa
Kun Shan University Library
CCG-IBT Biblioteka
Reference Zone – Nigeria
Dayang Journal System
Riley-Hickingbotham Library
Politechnika Wroclawska
Université Paris Diderot – Revues Electroniques
ERSA – Chinese Library,
and many others.



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 exam 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



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*®



THOMSON REUTERS

Index to Organism Names (ION)



ELSEVIER PRODUCTS

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

