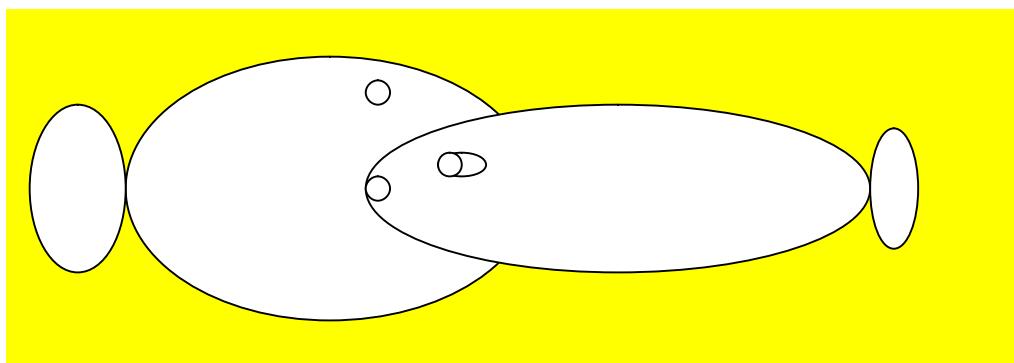


AACL Bioflux
Volume 2 (1)

**Aquaculture, Aquarium, Conservation & Legislation -
International Journal of the Bioflux Society**



Bioflux 2009

**International Standard Serial Number
Printed ISSN 1844-8143; online ISSN 1844-9166**

Published by Bioflux - quarterly

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

International Editorial Board

16 Countries: Romania, USA, Guyana, Canada, Moldova, Belgium, Italy, Spain, Peru, Turkey, Venezuela, Poland, Croatia, Germany, Finland, Slovakia.

Editorial Board Expanded

(including here: editors, reviewers, technical/auxilliary support)

Editor-in-Chief*:

Petrescu-Mag I. Valentin: USAMV Cluj, Bioflux SRL,
3M AGC SRL (Romania), guppydesigner.com (Canada)

Editors*:

Petrescu-Mag Ruxandra Mălina: UBB Cluj-Napoca, Bioflux SRL (Romania)

Gavriloaie Ionel Claudiu: ICPE Bistrița (Romania)

Journal Secretary*:

Nowak Michał: University of Agriculture in Krakow (Poland)

Honorary Editors*:

Bourne Godfrey Roderick: Univ. Missouri-St Louis (USA), CEIBA (Guyana)

Breden Felix: Simon Fraser University (Canada)

Buburuz Dionisie: Academy of Environmental Sciences (Rep. Moldova)

Bud Ioan: USAMV Cluj (Romania)

Burny Philippe: Gembloux University (Belgium)

Coignoul Freddy Louis Henri: University of Liege (Belgium)

Dragoș Nicolae: UBB Cluj-Napoca (Romania)

Grozea Adrian: USAMVB Timișoara (Romania)

Popescu Octavian: UBB Cluj-Napoca (Romania)

Naghiu Alexandru: USAMV Cj(Ro), Nat.Acad.Agric.Sci.(It), Univ.Leon(Sp)

Shaddock Philip: guppydesigner.com (Canada)

Vazquez Burguete Jose-Luis: University of Leon (Spain)

Scientific Reviewers:

Bănăduc Angela: Lucian Blaga University Sibiu (Romania)

Bănăduc Doru: Brukenthal National Museum (Romania)

Bănățean-Dunea Ioan: USAMVB Timișoara (Romania)

Berkesy Corina: ICPE Bistrița (Romania)

Bettuzzi Saverio: Universita degli Studi di Parma (Italy)

Blas Raul Humberto Sevillano: Univ. Nacional Agraria La Molina (Peru)

Boaru Anca Mihaela: USAMV Cluj, 3M AGC SRL, Cluj-Napoca (Romania)

Boca Mirela: Universita degli Studi di Firenze (Italy)

Coșier Viorica: USAMV Cluj (Romania)

Ferencz Beatrix: Oklahoma State University, Stillwater (USA)

Gherman Călin: USAMV Cluj (Romania)

Gorgan Lucian Dragoș: UAIC Iași (Romania)

Iorga Eugen: Institutul de Tehnologii Alimentare (Rep. Moldova)

Jakab Endre: UBB Cluj-Napoca (Romania)

Karayücel Ismihan: University of Sinop (Turkey)

Kelemen Beatrice: UBB Cluj-Napoca (Romania)

Koščo Ján: Prešov University (Slovakia)

Maloş Cristian: UBB Cluj-Napoca (Romania)

Manko Peter: Prešov University (Slovakia)

Mihalca Andrei: USAMV Cluj (Romania)

Mihăiescu Radu: UBB Cluj-Napoca (Romania)

Momeu Laura: UBB Cluj-Napoca (Romania)

Montaña Carmen: UNELLEZ, Barinas (Venezuela), Univ. Texas (USA)

Muscalu-Nagy Radu: SC Sterlet SRL, Timișoara (Romania)

Perković Anica: University of Josip Juraj Strossmayer, Osijek (Croatia)

Petrescu Dacinia Crina: UBB Cluj-Napoca (Romania)

Roșioru Corina: UBB Cluj-Napoca (Romania)

Rusu Mihaela: USAMV Cluj (Romania)

Szczerbik Paweł: University of Agriculture in Krakow (Poland)

Țepeluș Tudor Cosmin: Universitat Tübingen (Germany)

Turcu Mihaela Claudia: University of Turku (Finland)

Vesa Ștefan Cristian: Iuliu Hațieganu UMF (Romania)

Zamfirescu Ștefan: UAIC Iași (Romania)

Technical/Auxiliary Assistants:

Cs  p L  szl  : USAMV Cluj (Romania)

H  r  san Radu: USAMV Cluj (Romania)

Lozinsky Lauren  iu Radu: SC Bioflux SRL, USAMV Cluj (Romania)

Molnar Florin: USAMV Cluj (Romania)

Oros Simona: USAMV Cluj (Romania)

Siles Pedro: Acuapasion (Spain)

*Editors, honorary editors and the journal secretary are also reviewers.

Contact Publisher

SC Bioflux SRL, 54 Ceahlău Street, Cluj-Napoca, 400488,
Romania, European Union.

Ioan Valentin Petrescu-Mag,
e-mail: zoobiomag2004@yahoo.com
Ruxandra Mălină Petrescu-Mag,
e-mail: pmalina2000@yahoo.com

Other useful contacts

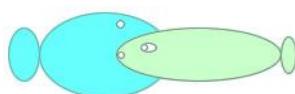
Ionel-Claudiu Gavriloaie, SC ICPE Bistrița SA – Research and Development Institute on Technologies and Equipments for Environment Protection, Parcului Str., no 7, Bistrița 420035, Romania, European Union,
e-mail: cgavriloaie@icpebn.ro

Journal Secretary

Michał Nowak, Department of Ichthyobiology and Fisheries,
University of Agriculture in Kraków, ul. T. Spiczakowa 6, 30-199
Kraków, Poland, European Union,
e-mail: mikhael.nowak@gmail.com

Note that there is also an electronic version of the journal. You may download the fulltext version of AACL Bioflux – Volume 2/2009 from <http://www.bioflux.com.ro/aacl/> -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.



AACL Bioflux is sponsored by



AMEX IMPORT-EXPORT SRL

Intrarea Titan nr. 10, Sect. 3; 030494

Bucureşti / România

R.C. J40/4639/1994; C.I.F. R5394950

Tel / Fax: +40 21 340 17 27; +40 21 340 00 29; +40 21 340 06 88

Mobil: +40 722 33.55.22

e-mail: office@amex-lab.ro

web: www.amex-lab.ro

Bucureşti:

Irinel Proca irinel@amex-lab.ro

Roxana Lehaduș roxana@amex-lab.ro

Giorgiana Tvers georgiana@amex-lab.ro

Marius Mihailă marius@amex-lab.ro

Iaşi:

Sebastian Roşu sebastian@amex-lab.ro

Alexandru Damian alexandru@amex-lab.ro

Timişoara:

Loredana Feher loredana@amex-lab.ro

Cluj-Napoca:

Laurentiu Stoian laurentiu@amex-lab.ro

AACL Bioflux has a publishing agreement, or is indexed, abstracted or fulltext reproduced by/in the following academic/scholar/scientific databases, engines, libraries, publishers:

Index Copernicus International - Index Copernicus Master Journal List

Lund University Libraries - DOAJ: Directory of Open Access Journals

ProQuest LLC - Ulrich's Periodicals Directory

China Educational Publications Import & Export Corporation - SOCOLAR

The University of Hong Kong Libraries – HKUL Database

Deutsche Nationalbibliothek – ZDB Database

State Library of Ohio - OhioLINK Database

Smithsonian Institution Libraries - Smithsonian Institution Libraries

Google - Google Scholar, Academic

Google (Search engine)

Cuil (Search engine)

EBSCO Publishing Inc. – EBSCOhost Database

Athabasca University - ICAAP Database

University of Southampton - ROAR Database

FeedBurner Inc. - Free Access Scientific Journals

Elsevier - Scirus

Georgetown University Library - NewJour Database

Universita degli Studi di Modena e Reggio Emilia – SBA, Risorse Elettroniche

Simon Fraser University - PKP Database

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

Universitat Giessen - Digitale Bibliothek

Peter Scott's Library Blog

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

ISSN International Center – ISSN Portal

Volume 2 (1)/2009, January 30

Contents

Epler P., Nowak M., Popek W., 2009 Growth rate of the chub (*Squalius cephalus*) and the nase (*Chondrostoma nasus*) from Raba, Dunajec, and Poprad River. AACL Bioflux 2(1):1-8.

Petrescu-Mag R. M., Roba C., Petrescu D. C., 2009 The Romanian perspective on geothermal energy resources. The chemistry of the geothermal waters from Oradea Triassic aquifer. AACL Bioflux 2(1):9-17.

Gorgan L. D., 2009 The analysis of cytochrome b nucleotidic sequence for *Carassius gibelio* (Bloch, 1782). AACL Bioflux 2(1):19-26.

Petrescu-Mag R. M., 2009 Latest legislation issues on sustainable exploitation of aquatic resources. AACL Bioflux 2(1):27-29.

Bud I., Dombi I. L., Vlădu V. V., 2009 The geographic isolation impact on evolution of some morpho-physiological features in the brown trout (*Salmo trutta fario* Linnaeus). AACL Bioflux 2(1):31-49.

Costea R. I., 2009 ISO/TC 234, Fisheries and Aquaculture. AACL Bioflux 2(1):51-56.

Burlacu L., Radu C. F., Crăciun N., Sahlean T., Gavriloaie I.-C., Bucur C., 2009 Body mass-related modifications involved in starvation at pumpkinseed *Lepomis gibbosus* (Linnaeus, 1758) (Teleostei, Centrarchidae). AACL Bioflux 2(1):57-61.

Burlacu L., Radu C. F., Gavriloaie I.-C., Sahlean T., Crăciun N., Bucur C., 2009 Variation of growth-related values within age categories and sexes in a pumpkinseed - *Lepomis gibbosus* (Linnaeus 1758), (Teleostei, Centrarchidae) - population. AACL Bioflux 2(1):63-70.

Petrescu-Mag I. V., 2009 Winge's sex-linked color patterns and SDL in the guppy: genes or gene complexes? AACL Bioflux 2(1):71-80.

