



ROMANIAN CENTER FOR MODELLING RECIRCULATING AQUACULTURE SYSTEMS

PAPERS PUBLISHED IN ISI JOURNALS AND ISI PROCEEDINGS

2019

Florescu, I. E., Burcea, A., Popa, G. O., Dudu, A., Georgescu, S. E., Balas, M. Grecu I, Dediu L, Dinischiotu, A. (2019). Effects of starvation and refeeding on growth performance and stress defense mechanisms of stellate sturgeon *Acipenser stellatus* juveniles from aquaculture. *Acta Biochimica Polonica*, 66(1), 47-59. (factor de impact 1.46)

Isabelle Metaxa, Ștefan-Mihai Petrea, Alina Mogodan, 2019. Balance of phosphorus in two different types of cyprinids polyculture ponds. *Environmental Engineering and Management Journal* ISSN: 1843 – 3707. (factor de impact 1.35)

Dediu L, Docan A., 2019. Influence of substrate type on the physiological profile of the heterotrophic bacterial community in recirculating aquaponic systems” care a fost acceptata pentru publicarea in *ScientificPapers-SeriesD-Animal Science*, revista indexata in *Web of Science Core Collection-Emerging Sources Citation Index*.

Crețu Mirela, Dediu Lorena, Docan Angelica, Cristea Victor, Andrei (Guriencu) Raluca Cristina, 2019. Effects of feeding levels on growth performance, and body composition of rainbow trout (*Oncorhynchus mykiss*, Walbaum 1792), fost acceptata pentru publicarea in *ScientificPapers-SeriesD-Animal Science*, revista indexata in *Web of Science Core Collection-Emerging Sources Citation Index*.

Angelica Docan, Lorena Dediu, Mirela Crețu, 2019. The effect of aflatoxin food contamination on the immune response (leukocyte reaction) of the european catfish (*Silurus glanis*, L. 1758), fost acceptata pentru publicarea in *ScientificPapers-SeriesD-Animal Science*, revista indexata in *Web of Science Core Collection-Emerging Sources Citation Index*.

Dediu L, Docan A., Grecu I, Cristea V, 2019. Comparison of ammonia removal in recirculating aquaculture system using nitrifying biofilter and zeolite publicata în volumul Conferinței „International Multidisciplinary Scientific GeoConference SGEM 2019” volum supus indexării in *ISI Web of Science – Clarivate*

Crețu Mirela, Dediu Lorena, Cristea Victor, Andrei (Guriencu) Raluca Cristina, Cordeli (Săvescu) Anca Nicoleta, 2019. Dietary protein level affects compensatory growth response in rainbow trout (*Oncorhynchus mykiss*) under cyclic feeding publicata în volumul Conferinței „International Multidisciplinary Scientific GeoConference SGEM 2019” volum supus indexării in *ISI Web of Science – Clarivate*



ROMANIAN CENTER FOR MODELLING RECIRCULATING AQUACULTURE SYSTEMS

CORDELI (SĂVESCU) Anca Nicoleta, CREȚU Mirela, OPREA Lucian, 2019. The effects of different densities on the growth performance and feeding efficiency of common carp fry in recirculating aquaculture systems, publicata în volumul Conferinței „International Multidisciplinary Scientific GeoConference SGEM 2019” volum supus indexării în ISI Web of Science – Clarivate

2018

Danilov Cristian-Sorin, Tiganov George, Anton Eugen, Nenciu Magda-Ioana, Nita Victor Nicolae, Cristea Victor. 2018. SCIENTIFIC PAPERS – SERIES D-ANIMAL SCIENCE Volume:61 Issue: 2 Pages: 274-279.

Florentina Mihaela Ursache, Doina Georgeta Andronoiu, Ioana Otilia Ghinea, Vasilica Barbu, Elena Ioniță, Mihaela Cotârleț, Loredana Dumitracu, Elisabeta Botez, Gabriela Râpeanu, Nicoleta Stănciuc. Valorizations of carotenoids from sea buckthorn extract by microencapsulation and formulation of value-added food products. Journal of Food Engineering. Volume 219, Pages 16-24

Liliana Mihalcea, Turturică Mihaela, Vasilica Barbu, Elena Ioniță, Livia Pătrașcu, Mihaela Cotârleț, Loredana Dumitracu, Iuliana, Aprodu Gabriela, Râpeanu Nicoleta Stănciuc. 2018. Transglutaminase mediated microencapsulation of seabuckthorn supercritical CO₂ extract in whey protein isolate and valorization in highly value added food products. Food Chemistry. Volume 262, Pages 30-38

Ana-Maria Oancea, Mahadi Hasan, Aida Mihaela Vasile, Vasilica Barbu, Elena Enachi, Gabriela Bahrim, Gabriela Râpeanu, Stefania Silvi, Nicoleta Stănciuc. 2018. Functional evaluation of microencapsulated anthocyanins from sour cherries skins extract in whey proteins isolate. LWT. Volume 95, Pages 129-134.

Nicoleta Stănciuc, Ana Maria Oancea, Iuliana Aprodu, Mihaela Turturică, Vasilica Barbu, Elena Ionit, Gabriela Râpeanu, Gabriela Bahrim. 2018. Investigations on binding mechanism of bioactives from elderberry (*Sambucus nigra* L.) by whey proteins for efficient microencapsulation. Journal of Food Engineering. Volume 223, Pages 197-207

Hada T., Barbuț-Mișu N., Marginean, R. Forecasting firm performance: evidence from Romanian furniture firms. Ekonomika. Vol. 97, issue 1, pp. 87-104.

Gheorghe Adrian Zugravu, Maria Magdalena Turek Rahoveanu, Ștefan Mihai Petrea, Marian Tiberiu Coadă, Camelia Fasola (Lungeanu) and Adrian Turek Rahoveanu. Decision Support System Model for Multi-Use Aquaponics Production Platform. Published in ISI Proceedings of 31st IBIMA International Conference. Under evaluation.

Dediu Lorena, Andrei (Guriencu) Raluca Cristina, Cristea Victor, Crețu Mirela, Docan Angelica, Mogodan Alina, Grecu Iulia. Effect of body mass on the standard metabolic rate



ROMANIAN CENTER FOR MODELLING RECIRCULATING AQUACULTURE SYSTEMS

(SMR) and routine metabolic rate (RMR) of young of the year of sterlet sturgeon and bestbeluga hybrid. Published in the Proceedings of international conference on Life Sciences, ISBN: 978-88-85813-24-3, Filodiritto publisher. Under evaluation.

Crețu M., Docan A., Antache A., Dediu L., Petrea S. M., Coadă M., Andrei Guriencu R. C. 2018. Addition of Sea-buckthorn and Thyme oil extract in feed influenced tissue composition and enhanced growth in Sterlet Sturgeon (*Acipenser ruthenus*) Conference Proceedings of „The 1st International Conference on Life Sciences” (indexed Thomson Web of Science) I(1):364-369

Ayman Abdel Mohsen Hassan, Mohamed HelmyYacout, Mohamed SamirKhalel, SalmaHashim Abu Hafsa, Mostafa Abdel Rahman Ibrahim, Dorina Nicoleta Mocuta, Adrian Turek Rahoveanu, Lorena Dediu. 2018. Effects of some herbal plant supplements on growth performance and the immune response in Nile tilapia (*Oreochromis niloticus*). Agriculture for Life, Life for Agriculture” Conference Proceedings .Sciendo. Vol. 1, No. 1, pp. 134-141 DOI: 10.2478/alife-2018-0020

2017

The influence of water and sediments nitrite concentration on chemical fish meat composition in different aquatic ecosystems. 2017. Simionov Ira-Adeline, Cristea Victor, Petrea Stefan-Mihai, Bocioc Elena, Placinta Sandita. Revue Roumaine de Chimie, Volume: 62 Issue: 10 Pages: 783-791

Mihalcea, L., Turturică, M., Ghinea, I.O., Barbu, V., Ioniță, E., Cotârleț, M., Stănciuc, N. 2017. Encapsulation of carotenoids from sea buckthorn extracted by CO₂ supercritical fluids method within whey proteins isolates matrices. Innovative Food Science and Emerging Technologies, 42, 120–129

Nicoleta Stanciuc, Ana Maria Oancea, Iuliana Aprodu, Mihaela Turturică, Vasilica Barbu, Elena Ionit, Gabriela Răpeanu, Gabriela Bahrim . 2017. Investigations on binding mechanism of bioactives from elderberry (*Sambucus nigra* L.) by whey proteins for efficient microencapsulation . Journal of Food Engineering. Volume 223, April 2018, Pages 197-207



ROMANIAN CENTER FOR MODELLING RECIRCULATING AQUACULTURE SYSTEMS

PAPERS PUBLISHED IN BDI JOURNALS

2018

Raluca C. Andrei (Guriencu), Victor Cristea, Mirela Crețu, Lorena Dediu, Alina Mogodan. 2018. The effect of temperature on the standard and routine metabolic rates of young of the year sterlet sturgeon (*Acipenser ruthenus*), *AACL Bioflux*. Volume 11, Issue 5, pp 1467-1475.

Dediu Lorena, Andrei (Guriencu) Raluca Cristina, Cristea Victor, Crețu Mirela, Docan Angelica, Mogodan Alina, Grecu Iulia. 2018. Effect of body mass on the standard metabolic rate (SMR) and routine metabolic rate (RMR) of young of the year of sterlet sturgeon and best beluga hybrid. *AACL Bioflux*. 11 (3), pp. 645-652.

Andrei Guriencu, R.C., Cristea, V., Crețu, M., Dediu, L., Docan, A.I. 2018. The effect of feeding rate on growth performance and body composition of Russian sturgeon (*Acipenser gueldenstaedtii*) juveniles. *AACL Bioflux*, 11 (3), pp. 645-652.

Antache A., Docan A., Dediu L., Grecu I., Cristea V., Petrea S. M., Crețu M. 2018. Effect of some phytobiotics on oxidative stress at *Oreochromis niloticus* reared in a recirculating aquaculture system. *Aquaculture, Aquarium, Conservation & Legislation - International Journal of the Bioflux Society* 11 (1): 211-220

Metaxa I., Mogodan A., Petrea S.-M., Vasile A. 2018. The influence of IMTA pond production systems on the cyprinid species, weight-length relationship and distribution. *ABAH Bioflux*. 10(1):27-47.

Vasile M. A., Metaxa I., Mogodan A., Petrea S. M., Platon C. 2018. The influence of IMTA pond production systems on the dynamics of heterotrophic bacteria in the pond water column. *ABAH Bioflux*. 10(2):73-84.

Docan A., Grecu I., Dediu L. 2018. Use of hematological parameters as assessment tools in fish health status. *Journal of Agroalimentary Processes and Technologies* 24(1)

Adina Popescu, Daniela Cristina Ibănescu, Aurelia Nica 2018. Aspects of the structure and biodiversity of the macroinvertebrates in the Romanian sector of the Danube river. *Journal Volume of scientific papers - Animal Sciences Series : Lucrări Științifice – Seria Zootehnie* VOL. 69 (23):149-152.



ROMANIAN CENTER FOR MODELLING RECIRCULATING AQUACULTURE SYSTEMS

2017

Andrei Guriencu R., Cristea V., Dediu L., Crețu M., Docan A. 2017. Morphometric characteristics and length-weight relation-ship of russian sturgeon juveniles under different feeding ratio. *Bulletin UASVM Animal Science and Biotechnologies*. 74(2):119-126.

Andrei Guriencu Raluca, Crețu Mirela, Angelica Docan, Dediu Lorena, Cristea Victor. 2017. Growth performance and food conversion efficiency of juvenile russian sturgeon at different feeding frequencies. *Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca Animal Science and Biotechnologies* 74 (2):112-118

Crețu Mirela, Angelica Docan, Dediu Lorena, Cristea Victor, Varlan Oana Georgiana, Andrei Guriencu Raluca. 2017. The Effects of Sea-Buckthorn (*Hippophae rhamnoides*) and Spirulina (*Spirulina platensis*) on the growth performance of some sturgeon hybrids. *Aquaculture, Aquarium, Conservation & Legislation - International Journal of the Bioflux Society*. 0(5):1157-1163

Docan Angelica, Dediu Lorena, Crețu Mirela, Antache Alina. 2017. Plasma biochemical responses of hybrid bester juveniles reared at different stocking densities. *Aquaculture, Aquarium, Conservation & Legislation - International Journal of the Bioflux Society*. 10(5):1085-1090.

Ibănescu D. C., Popescu A., Nica A. 2017. Assessment of water quality in the Danube River (Călărași Brăila section, km 375-km 175), *Current Trends in Natural Sciences* 6(11), 202-208

Nica Aurelia, Popescu Adina, Ibănescu Daniela Cristina, 2017. A current problem: mercury pollution. *Current trends in natural sciences* 6(12), 165-169,

Mogodan A., Plăcintă S., Metaxa I., Petrea S. M., Vasile M. A. 2017. A kinetic study of chlorophyll "a" and Cyanophyta algae biomass grown in different IMTA systems. *Aquaculture, Aquarium, Conservation & Legislation - International Journal of the Bioflux Society*. 10(1):130-146

Vasile M. A., Metaxa I., Plăcintă S., Mogodan A., Petrea S. M., Platon C. 2017. Preliminary study on bacteriological and physicochemical water profile of cyprinid fish ponds .*Aquaculture, Aquarium, Conservation & Legislation - International Journal of the Bioflux Society*. 10(1):103-112

Petrea S. M., Mogodan A., Metaxa I., Plăcintă S., Vasile M. A., Huian G., 2017 . A comparative study on the evaluation of cyprinids growth performance in IMTA systems. *Aquaculture, Aquarium, Conservation & Legislation - International Journal of the Bioflux Society*. 10(1):87-102



ROMANIAN CENTER FOR MODELLING RECIRCULATING AQUACULTURE SYSTEMS

Abbas Abdou, K., Nady Mohammed, A., Abd El Rahman Moselhy, W., Ali Farghali, A., Vasile, M. A., Isabelle, M., Petrea S, ... & Soon, L. K. (2017). Silver and zinc oxide nanostructures loaded on activated carbon as new adsorbents for removal of methylene green A comparative study. *Asian Journal of Animal and Veterinary Advances*. 13(2), 103-112.

Gheorghe Adrian Zugravu & Kamel Ibrahim Kamel & Maria Magdalena Turek Rahoveanu & Marian Tiberiu Coadă & Stefan Mihai Petrea & Alexandru Cristian Bandi & Mirela Cretu & Ira Adeline Chihaiia, 2017 . Development Smart Water Aquaponics Model. Risk in Contemporary Economy, pages 456-464.



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