

Diseminarea rezultatelor prin prezentarea la conferințe naționale și/sau internaționale și publicarea de articole științifice

Cărți la edituri naționale

1. Biologia și genetica sturionilor de Dunăre: aplicații în acvacultură și conservare, Coordonatori: M. Costache și V. Cristea, Editura Universității din București, București, România, 2017, ISBN 978-606-16-0857-7.

Capitole de carte la edituri naționale

1. Biologia și genetica sturionilor, A. Dudu, M. Maereanu, S.E. Georgescu, p. 11-68, În “Biologia și genetica sturionilor de Dunăre: aplicații în acvacultură și conservare”, Editura Universității din București, 2017, ISBN 978-606-16-0857-7.

2. Filogenia și istoria evolutivă a sturionilor, A. Dudu, M. Costache, S.E. Georgescu, p. 69-92, În “Biologia și genetica sturionilor de Dunăre: aplicații în acvacultură și conservare”, Editura Univ. din București, 2017, ISBN 978-606-16-0857-7.

3. Analize moleculare la speciile de sturioni din Dunăre, A. Dudu, M. Costache, S.E. Georgescu, p. 93-156, În “Biologia și genetica sturionilor de Dunăre: aplicații în acvacultură și conservare”, Editura Universității din București, 2017, ISBN 978-606-16-0857-7.

4. Tehnologii generale de creștere și reproducere a sturionilor, L. Dedi, M. Maereanu, p. 157-198, În “Biologia și genetica sturionilor de Dunăre: aplicații în acvacultură și conservare”, Editura Univ. din București, 2017, ISBN 978-606-16-0857-7.

5. Aspecte privind hematologia speciilor de sturioni din Dunăre, A. Docan, p. 199-250, În “Biologia și genetica sturionilor de Dunăre: aplicații în acvacultură și conservare”, Editura Universității din București, 2017, ISBN 978-606-16-0857-7.

Articole în reviste cotate ISI

1. A. Burcea, G.O. Popa, I.E. Florescu, A. Dudu, S.E. Georgescu, M. Costache, 2017. Genetic profile analysis of aquaculture Russian sturgeon (*Acipenser gueldenstaedtii*) – implications for restocking measures, Acta Zoologica Academiae Scientiarum Hungaricae 63(3):361–376. (IF 0.520; AIS 0.170)

2. G.O. Popa, A. Dudu, D. Bănăduc, A. Curtean-Bănăduc, T. Barbălată, A. Burcea, I.E. (Gune) Florescu, S.E. Georgescu, M. Costache, 2017. Use of DNA barcoding in the assignment of commercially valuable fish species from Romania, Aquatic Living Resources, 30, 20. (IF 0.448; AIS 0.500)

3. A. Burcea, G.O. Popa, I.E. Florescu (Gune), M. Maereanu, A. Dudu, S.E. Georgescu, M. Costache 2018. Expression Characterization of Six Genes Possibly Involved in Gonad Development for Stellate Sturgeon Individuals (*Acipenser stellatus*, Pallas 1771), International Journal of Genomics, volume 2018, article ID 7835637, 10 pages, <https://doi.org/10.1155/2018/7835637>.

Articol în ISI Proceedings

Dedi 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 bestbeluga hybrid. Published in ISI Proceedings of International Conference on Life Sciences, IBN: 978-88-85813-24-3, Filodiritto Publisher

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1. Popa G.O., Samu M., Nechifor R., Dudu A., Georgescu S.E., 2018. RP1S7 – A Possible Marker for Sturgeon Hybrids Identification, Scientific Papers: Animal Science and Biotechnologies, 51(1):102-105.

2. Burcea A., Florescu (Gune) I.E., Popa G.O., Maoreanu M., Dudu A., Costache M., Georgescu S.E., 2018. Dmrt1 and Cyp17a1 Protein Detection and Relative Quantification in Best Beluga Hybrid Sturgeon Gonads, *Scientific Papers: Animal Science and Biotechnologies*, 51(1):78-81.
3. Andrei Guriencu, R.C., Cristea, V., Crețu, M., Dediu, L., Docan, A.I., The effect of feeding rate on growth performance and body composition of Russian sturgeon (*Acipenser gueldenstaedtii*) juveniles, (2018) *AAFL Bioflux*, 11 (3), pp. 645-652.
4. Raluca-Cristina Andrei (Guriencu), Victor Cristea, Mirela Crețu, Lorena Dediu and Alina Mogodan. The effect of temperature on the standard and routine metabolic rates of young of the year Sterlet sturgeon (*Acipenser ruthenus*). *AAFL Bioflux*, 201X, Volume X, Issue X. [HTTP://WWW.BIOFLUX.COM.RO/AAFL](http://WWW.BIOFLUX.COM.RO/AAFL) (accepted, in press)
5. 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.

Participări la conferințe internaționale organizate în România

1. Alexandru Burcea, Gina-Oana Popa, Iulia Elena Florescu, Andreea Dudu, Sergiu Emil Georgescu, Marieta Costache, Method validation for the expression of genes possibly involved in sexual differentiation in *Acipenser stellatus*, Book of abstracts, The 8th International Zoological Congress of "Grigore Antipa" Museum, Bucharest, 16-19 November 2016.
2. Andreea Dudu, Sergiu Emil Georgescu, Marilena Maoreanu, Marieta Costache, New approaches in sturgeon conservation and aquaculture by using genetic and biochemical markers, Book of abstracts, The 8th International Zoological Congress of "Grigore Antipa" Museum, Bucharest, 16-19 November 2016.
3. Iulia Gune, Alexandru Burcea, Oana Popa, Andreea Dudu, Sergiu Georgescu, Sorina Dinescu, Iulia Grecu, Lorena Dediu, Angelica Docan, Marieta Costache, The effects of starving and refeeding on Hsp genes transcription in *Acipenser stellatus* (Pallas, 1771) under aquaculture conditions, Book of abstracts, The 8th International Zoological Congress of "Grigore Antipa" Museum, Bucharest, 16-19 November 2016.
4. Burcea A., Popa G.O., Florescu (Gune) I.E., Dudu A., Georgescu S.E., Costache M. - Genetic diversity of five aquaculture strains of Russian sturgeon from Romania, Book of abstracts, *Deltas and Wetlands*, the 25th Scientific Symposium, Tulcea, Romania, 18-21 May 2017, p. 13.
5. A. Burcea, G.O. Popa, I.E. Florescu, A. Dudu, S.E. Georgescu, M. Costache, The expression of sexual development genes in Best beluga hybrid individuals, *Proceedings of the 6th Aquatic Biodiversity International Conference*, Sibiu, Romania, 27-30 September 2017, p. 9.
6. I.E. Florescu (Gune), A. Burcea, G.O. Popa, S.E. Georgescu, I. Grecu, L. Dediu, A. Docan, M. Costache, Effects of starvation and refeeding on growth performance of *Acipenser stellatus* under aquaculture conditions, *Proceedings of the 6th Aquatic Biodiversity International Conference*, Sibiu, Romania, 27-30 September 2017, p. 52.
7. A. Burcea, G.O. Popa, S. Gharbia, I.E. Florescu (Gune), A. Dudu, S.E. Georgescu, A. Hermenean, M. Costache, Insight in the gonad development of best beluga sturgeon hybrid individuals through histology and immunohistochemistry, Book of abstracts of Symposium „Ecology and protection of ecosystems”, The XIIth Edition, Bacau, Romania, 2-4 November 2017, p. 127.
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9. Guriencu R., Cristea V., Dediu L., Crețu M., Docan A., Growth performance and food conversion efficiency of juvenile russian sturgeon at different feeding frequencies, Book of abstracts of The

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10. Dediu L., Mogodan A., Docan A., Cretu M., Maoreanu M., Comparative Study of Haematological and Biochemical Parameters at Juveniles of *Acipenser gueldenstaedtii*, *Acipenser ruthenus* and Hybrid Sturgeon *Acipenser gueldenstaedtii* x *Acipenser ruthenus*, 8th International Euroalimnet Symposium Mutatis Mutandis in Foods, 7–8 September 2017, Galati, Romania.
11. M. Samu, R. Nechifor, G.O. Popa, S.E. Georgescu, M. Costache, A. Dudu, Identification of sturgeon species and interspecies hybrids using RP1S7 nuclear marker, Book of abstracts, The 9th International Zoological Congress of "Grigore Antipa" Museum, Bucuresti, Romania 22-25 November 2017, p. 164.
12. A. Burcea, G.O. Popa, S. Gharbia, I.E. Florescu (Gune), A. Dudu, S.E. Georgescu, A. Hermenean, M. Costache, The qPCR expression of genes possibly involved in the sexual development of individuals from two sturgeon species, Book of abstracts, The 9th International Zoological Congress of "Grigore Antipa" Museum, Bucuresti, Romania, 22-25 November 2017, p. 85.

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2. Burcea A., Florescu (Gune) I.E., Popa G.O., Maoreanu M., Dudu A., Costache M., Georgescu S.E., 2018. Dmrt1 and Cyp17a1 Protein Detection and Relative Quantification in Best Beluga Hybrid Sturgeon Gonads, Book of abstracts, International Conference on Life Science „Bioengineering of Animal Resources”, Timișoara, 24-25 May 2018, p. 72.
3. 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 (SMR) and routine metabolic rate (RMR) of young of the year of sterlet sturgeon and bestbeluga hybrid. The 1st International Conference on Life Sciences, Timisoara 2018.
4. Lorena Dediu, Mirela Crețu, Angelica Docan, Stefan Petrea, Marian Coadă. Growth performance and variability of two sturgeon hybrids. 8th INTERNATIONAL CONFERENCE “WATER & FISH” CONFERENCE, Serbia June, 13 – 15. 2018. (Abstract in proceedings).
5. Lorena Dediu, Raluca Cristina Andrei (Guriencu), Victor, Cristea, Mogodan Alina, Angelica Docan, Iulia Grecu . Comparison of swimming capacity of *Acipenser gueldenstaedtii*, *Acipenser ruthenus* and hybrid sturgeon (*Acipenser gueldenstaedtii* x *Acipenser ruthenus*). FITFISH ANNUAL CONFERENCE, 20th April 2018, Porto, Portugal.
6. A. Dudu, A. Burcea, I.E. Florescu, G.O. Popa, M. Costache, S.E. Georgescu – “The assessment of genetic diversity in sturgeons aiming at aquaculture stocks improvement”, Book of abstract of “The 68th Annual meeting of the European Federation of Animal Science – Patterns of Livestock Production in the Development of Bioeconomy”, Tallinn, Estonia, 28 August – 01 September 2017, p. 317.
7. I.E. Florescu (Gune), M. Balas, A. Dudu, L. Dediu, A. Dinischiotu, M. Costache, S.E. Georgescu - “The effects of starving-refeeding diet on oxidative stress in sturgeons under aquaculture conditions”, Book of abstract of “The 68th Annual meeting of the European Federation of Animal Science – Patterns of Livestock Production in the Development of Bioeconomy”, Tallinn, Estonia, 28 August – 01 September 2017, p. 391.
8. M.Crețu, L.Dediu, A. Docan, M. Maoreanu, A. Mogodan –“Inter- and intraspecific variation of morphological characters of sterlet sturgeon (*Acipenser ruthenus*), Russian sturgeon (*Acipenser gueldenstaedtii*) and their hybrid”, Book of abstract of VIII International Scientific Agriculture Symposium - AGROSYM 2017, Jahorina, Bosnia-Hertzeogovina, 05–08 October 2017, p. 1196

9. Dediu L., Docan A., Crețu M, Maereanu M., Coadă M. – „Evaluation of phenotypic traits, variability and growth performance of hybrids between sterlet sturgeon and russian sturgeon compared with pure parental species”, Book of abstracts of 8th International Symposium on Sturgeons, 10-16 September 2017 Vienna, Austria.