



IASI UNIVERSITY
of LIFE SCIENCES
1842

L I S T A C O M P L E T Ă **a lucrărilor științifice în domeniul disciplinelor din postul didactic**

TEZA DE DOCTORAT

Davidescu Mădălina Alexandra, 2021 - "Estimarea relațiilor filogenetice și cuantificarea diversității genetice la rasele de bovine Sură de Stepă și Pinzgau, aflate în pericol de extincție în România,, - (*Diplomă de Doctor, seria J, nr. 0054459, 126/22.12.2021, emisă în baza Ordinului Ministrului Educației nr. 5771 din 13.12.2021*).

CĂRȚI DE NIVEL UNIVERSITAR PUBLICATE:

✓ *îndrumător de lucrări practice*

1. **Davidescu M.A.,** Rațu R.N., 2024 – *Biotehnologii speciale - îndrumător de lucrări practice*. Editura Ion Ionescu de la Brad, Iași, pp. 1-230. **ISBN 978-973-147-544-8** (230 pagini).

CAPITOLE ÎN CĂRȚI PUBLICATE ÎN EDITURI INTERNAȚIONALE (lb. engleză)

1. **Davidescu, M.-A.;** Simeanu, D.; Gorgan, D.-L.; Ciorpac, M.; **Creanga, S.** Analysis of Phylogeny and Genetic Diversity of Endangered Romanian Grey Steppe Cattle Breed, a Reservoir of Valuable Genes to Preserve Biodiversity. *Agriculture* **2022**, 12, 2059, *Animal Nutrition and Productions MDPI*, <https://doi.org/10.3390/books978-3-0365-8011-1>, ISBN 978-3-0365-8010-4 (Hbk); ISBN 978-3-0365-8011-1 (PDF); pp. 305-320. **capitol de carte în limba engleză**

<https://www.mdpi.com/books/reprint/7551-animal-nutrition-and-productions>

2. **Davidescu, M.A.;** Pânzaru, C.; Usturoi, A.; Radu-Rusu, R.M.; Creangă Ș. An Appropriate Genetic Approach to Endangered Podolian Grey Cattle in the Context of Preserving Biodiversity and Sustainable Conservation of Genetic Resources Reprinted from: *Agriculture* **2023**, 13, 2255. doi:10.3390/agriculture13122255. *Animal Nutrition and Productions Series II*, ISBN 978-3-7258-1735-1 (Hbk); ISBN 978-3-7258-1736-8 (PDF); doi.org/10.3390/books978-3-7258-1736-8, pp. 323-346. **capitol de carte în limba engleză**

<https://www.mdpi.com/books/reprint/9652-animal-nutrition-and-productions-series-ii>

LISTA

CELOR MAXIM 10 LUCRĂRI CONSIDERATE A FI CELE MAI RELEVANTE

1. **Mădălina-Alexandra DAVIDESCU**, Grădinaru A.C., Creangă Șt., **2019** - Endangered Romanian Cattle Breeds – Between Traditional Breeding and Genetic Conservation. *Proceedings Of The International Scientific Congress - Life Sciences, A Challenge For The Future*, p. 339-349. **WOS:000747623800057 ISI Prooceding**

2. **Mădălina Alexandra DAVIDESCU**, Bianca Mădescu, Mitică Ciorpac, Lucian Dascălu, Teodor Bugeac, Andrei Matei, Ioana Poroșnicu, Șteofil Creangă, **2021** - Genetic diversity of Pinzgau cattle breed: A systematic review. *Scientific Papers. Series D. Animal Science*, Vol. LXIV, Nr. 2, p. 40-44, Indexată ISI. ISSN 2285-5750. International Conference "Agriculture for Life, Life for Agriculture", USAMV, București, 2021. **WOS:000737352500003 indexată ISI**

3. **Madalina Alexandra DAVIDESCU**, Mitică Ciorpac, Șteofil Creanga, **2021** - Highly effective method of DNA extraction from blood: a first step for analysis of genetic diversity of indigenous cattle breeds. *Scientific Papers. Series D. Animal Science*, Vol. LXIV, Nr. 2, p. 35-39, Indexată ISI. ISSN 2285-5750. International Conference "Agriculture for Life, Life for Agriculture", USAMV, București 2021. **WOS:000737352500002 indexată ISI**

4. **Mădălina Alexandra DAVIDESCU**, Simeanu D., Simeanu C., Ivancia M., Creanga Șt., **2022** - Testing the effectiveness of two methods of extracting DNA from blood samples from cows. *Scientific Papers. Series D. Animal Science*, Vol. LXV, No. 1, pp. 40-45. **WOS:000834534200004 cotată ISI I.F. 0.3.**

5. **Mădălina Alexandra DAVIDESCU**, Simeanu Daniel, Gorgan Dragos-Lucian, Ciorpac Mitica, Creanga Șteofil, **2022** - Analysis of Phylogeny and Genetic Diversity of Endangered Romanian Grey Steppe Cattle Breed, a Reservoir of Valuable Genes to Preserve Biodiversity. *Agriculture*, 12(2), 2059. **WOS:000900172100001. cotată ISI I.F. 3.6**

6. **Mădălina Alexandra DAVIDESCU**, Claudia Panzaru, Daniel Simeanu, Andrei Ciobanu, Bianca Maria Madescu, Ioana Porosnicu, Șteofil Creanga, **2023** - The effectiveness of heat treatment processes applied to sour cream for the production of butter, validated by enzymatic methods. *Scientific Papers. Series D. Animal Science*, International Conference "Agriculture for Life, Life for Agriculture", Section 3 Animal Science, 2023, ISSN 2457-3221, ISSN-L 2457-3221, Vol. 66, Issue2, pp. 459-464. **WOS:001133092700078, cotată ISI I.F. 0.3.**

7. **Mădălina Alexandra DAVIDESCU**, Claudia Pânzaru, Alexandru Usturoi, Răzvan-Mihail Radu-Rusu, and Șteofil Creangă, **2023** - An Appropriate Genetic Approach to Endangered Podolian Grey Cattle in the Context of Preserving Biodiversity and Sustainable Conservation of Genetic Resources. *Agriculture* 13, no. 12: 2255. <https://doi.org/10.3390/agriculture13122255>. **WOS:001136057400001. cotată ISI I.F. 3.6.**

8. *Madalina Alexandra DAVIDESCU*, Daniel SIMEANU, Cristina SIMEANU, Claudia PANZARU, Alexandru USTUROI, Steofil CREANGA, **2024** - Analysis of blood biochemical profile of endangered Romanian Grey Cows according to age. Scientific Papers. Series D. Animal Science, Vol. LXVII, No. 1, pp. 28-35. **WOS:001304632500003**, *cotată ISI I.F. 0.3*.

9. *Madalina Alexandra DAVIDESCU*, Bianca Maria MADESCU, Claudia PANZARU, Ioana POROSNICU, Alexandru USTUROI, **2024** - An appropriate approach on the implications of microarray technology for animal genetic research. Scientific papers series D. Animal science VOLUME LXVII, No. 2, pp. 23-30. ISSN 2285-5750, *cotată ISI I.F. 0.3*. WOS-în curs de apariție

10. *Davidescu M-A*, Pânzaru C, Mădescu B-M, Radu-Rusu R-M, Doliș MG, Simeanu C, Usturoi A, Ciobanu A, Creangă Ș., **2024** - Genetic Diversity and Phylogenetic Analysis of the Endangered Transylvanian Pinzgau Cattle: A Key Resource for Biodiversity Conservation and the Sustainability of Livestock Production. Agriculture. 2024; 14(12):2234. <https://doi.org/10.3390/agriculture14122234> *cotată ISI I.F. 3.3*
WOS:001384126800001

1. LUCRĂRI PUBLICATE ÎN REZUMAT ÎN REVISTE ISI (ABSTRACT)

Autor principal:

1. *Mădălina Alexandra DAVIDESCU*, Andrei C. Grădinaru, Șteofil Creangă - Genetic Markers in the Study of Threatened with Extinction Cattle Breeds, 2020. European Biotechnology Congress **2020**, Journal homepage Biotechnology & Biotechnological Equipment, Vol. 35. p. 102. **I.F. 1.8**. **WOS: 000622161800001**
Abstract conferință ISI cotate DOI:10.1080/13102818.2020.1871545 – 6 puncte prim autor + 6,67 puncte coautor = 12,67 puncte

2. LUCRĂRI PUBLICATE ÎN EXTENSO ÎN REVISTE INDEXATE ISI, FĂRĂ FACTOR DE IMPACT

Autor principal:

1. *Mădălina-Alexandra DAVIDESCU*, Grădinaru A.C., Creangă Șt., **2019** - Endangered Romanian Cattle Breeds – Between Traditional Breeding and Genetic Conservation. *Proceedings Of The International Scientific Congress - Life Sciences, A Challenge For The Future*, p. 339-349. **WOS:000747623800057** *indexată ISI – 20 puncte prim autor + 20 puncte coautor = 40 puncte*

2. *Mădălina Alexandra DAVIDESCU*, Bianca Mădescu, Mitică Ciorpac, Lucian Dascălu, Teodor Bugeac, Andrei Matei, Ioana Poroșnicu, Șteofil Creangă, **2021** - Genetic diversity of Pinzgau cattle breed: A systematic review. Scientific Papers. Series D. Animal Science, Vol. LXIV, Nr. 2, p. 40-44, Indexată ISI. ISSN 2285-5750. International Conference "Agriculture for Life, Life for Agriculture", USAMV, București, 2021. **WOS:000737352500003** *indexată ISI – 20 puncte prim autor + 7,50 puncte coautor = 27,50 puncte*

3. Madalina Alexandra DAVIDESCU, Mitică Ciorpac, Steofil Creanga, **2021** - Highly effective method of DNA extraction from blood: a first step for analysis of genetic diversity of indigenous cattle breeds. Scientific Papers. Series D. Animal Science, Vol. LXIV, Nr. 2, p. 35-39, Indexată ISI. ISSN 2285-5750. International Conference "Agriculture for Life, Life for Agriculture", USAMV, București 2021. **WOS:000737352500002 indexată ISI – 20 puncte prim autor + 20 puncte coautor = 40 puncte**

Coautor:

1. Neculai-Văleanu Sabina, Ariton Adina-Mirela, Matei Andrei-Cristian, Mădescu Bianca-Maria, **Davidescu Mădălina-Alexandra**, Poroșnicu Ioana, Creangă Șteofil, **2019** - Green Synthesis of Silver Nanoparticles Using Curcuma Longa Plant Extract and their Possible Applications. Scientific Papers-Animal Science Series: Lucrări Științifice - Seria Zootehnie, vol. 75, p. 21-26. **WOS:000747623800050 ISI proceeding – 8,57 puncte**

2. Ioana Poroșnicu, Roxana Rațu, **Mădălina Davidescu**, Bianca Mădescu, Andrei Matei, Șteofil Creangă, Marius Usturoi, **2020** - Researches on the quality assessment of Mozzarella cheese for the safety of use. Scientific Papers. Series D. Animal Science, Vol. LXIII, Nr. 2, p. 366-372. ISSN 2285-5750. **WOS:000594991500056. indexată ISI – 8,57 puncte**

3. Andrei-Cristian MATEI, Nicolae BĂDILAȘ, **Mădălina-Alexandra DAVIDESCU**, Ioana POROSNICU, Bianca Maria MĂDESCU, **2020** - Research on the impact of the adding the apple vinegar in ration of the heavy lambs and monitoring the ruminal ph and average daily gain. Scientific Papers. Series D. Animal Science, Vol. LXIII, Nr. 1, p. 156-160. ISSN 2285-5750. **WOS:000574608500021 indexată ISI - 12 puncte**

4. Nicolae-Iulian Bădilaș, Andrei-Cristian Matei, Ioana Poroșnicu, Bianca-Maria Mădescu, **Mădălina-Alexandra Davidescu**, Benone Păsărin, **2020** - Determination of the physico-chemical, microbiological and parasitological parameters of frozen fish, marketed by a commercial company from the northeast of Romania. Scientific Papers. Series D. Animal Science, Vol. LXIII, Nr. 2, p. 501-506. ISSN 2285-5750. **WOS:000594991500076 indexată ISI - 10 puncte**

5. Andrei-Cristian Matei, Șteofil Creangă, **Mădălina-Alexandra Davidescu**, Bogdan-Iosif Doboș, Ioana Porosnicu, Bianca-Maria Mădescu, **2020** - Research on the economic efficiency of farms in the function of the milking system. Scientific Papers. Series D. Animal Science, Vol. LXIII, Nr. 2, p. 296-300. ISSN 2285-5750. **WOS:000594991500043 indexată ISI - 10 puncte**

3. LUCRĂRI PUBLICATE ÎN EXTENSO ÎN REVISTE COTATE ISI CU FACTOR DE IMPACT ≤ 1

1. **Mădălina Alexandra DAVIDESCU**, Simeanu D., Simeanu C., Ivancia M., Creanga Șt., **2022** - Testing the effectiveness of two methods of extracting DNA from blood samples from cows. Scientific Papers. Series D. Animal Science, Vol. LXV, No. 1, pp. 40-45. **WOS:000834534200004 cotată ISI I.F. 0.3. – 30 puncte prim autor + 23 puncte coautor = 53 puncte**

2. **Mădălina Alexandra DAVIDESCU**, Claudia Panzaru, Daniel Simeanu, Andrei Ciobanu, Bianca Maria Mădescu, Ioana Porosnicu, Steofil Creanga, **2023** - The effectiveness of heat treatment processes applied to sour cream for the production of butter, validated by enzymatic methods. Scientific Papers. Series D. Animal Science,

International Conference “Agriculture for Life, Life for Agriculture”, Section 3 Animal Science, 2023, ISSN 2457-3221, ISSN-L 2457-3221, Vol. 66, Issue2, pp. 459-464. **WOS:001133092700078**, **cotată ISI I.F. 0.3. – 30 puncte prim autor + 16,43 puncte coautor = 46,43 puncte**

3. Madalina Alexandra DAVIDESCU, Daniel SIMEANU, Cristina SIMEANU, Claudia PANZARU, Alexandru USTUROI, Steofil CREANGA, **2024** - Analysis of blood biochemical profile of endangered Romanian Grey Cows according to age. Scientific Papers. Series D. Animal Science, Vol. LXVII, No. 1, pp. 28-35. **WOS:001304632500003**, **cotată ISI I.F. 0.3. – 30 puncte prim autor + 19,17 puncte coautor = 49,17 puncte**

4. Madalina Alexandra DAVIDESCU, Bianca Maria MADESCU, Claudia PANZARU, Ioana POROSNICU, Alexandru USTUROI, **2024** - An appropriate approach on the implications of microarray technology for animal genetic research. Scientific papers series D. Animal science VOLUME LXVII, No. 2, pp. 23-30. ISSN 2285-5750, **cotată ISI I.F. 0.3. – 30 puncte prim autor + 23 puncte coautor = 53 puncte WOS-în curs de apariție**

Coautor:

1. Mădescu B.M., Lazăr R., Davidescu M.A., Matei A.C., Boișteanu P.C., 2022 - Research on morpho-productive indicators observed of Aubrac and Aberdeen angus cattle breeds. Scientific Papers. Series D. Animal Science, Vol. LXV, No. 2, pp. 279-283. **WOS:000914162300040** **cotată ISI I.F. 0.3. – 23 puncte**

2. Andrei Ciobanu, Mihaela Ivancia, Mădălina-Alexandra Davidescu, Dana-Andreea Șerban, Șteofil Creangă, 2023 - Effect of non-genetic factors on birth weight in a population of Teleorman Black Head sheep breed. Scientific Papers. Series D. Animal Science, Vol. LXVI, No. 1, pp. 15-19. International Conference “Agriculture for Life, Life for Agriculture”, Book of abstracts, Section 3 Animal Science, 2023, ISSN 2457-3221, ISSN-L 2457-3221. **WOS:001092354100021** **cotată ISI I.F. 0.3. – 23 puncte**

3. Claudia PÂNZARU, Marius Gheorghe DOLIȘ, Mădălina Alexandra DAVIDESCU, Răzvan Mihail RADU-RUSU, 2024 - Foaling rank and breeders’ height at withers influence on the morphological quality of Shagya Arabian female progeny. Scientific Papers. Series D. Animal Science, Vol. LXVII, No. 1, pp. 59-65.

WOS:001304632500007 **cotată ISI I.F. 0.3. – 28,75 puncte**

4. Bianca-Maria MADESCU, Roxana LAZAR, Alina Narcisa POSTOLACHE, Madalina Alexandra DAVIDESCU, Marius Mihai CIOBANU, Paul Corneliu BOISTEANU, 2024 - Microbiological and hygienic quality of Aubrac cattle fresh meat. Scientific Papers. Series D. Animal Science, Vol. LXVII, No. 1, pp. 360-365. **cotată ISI I.F. 0.3. – 19,17 puncte**

5. Alexandru USTUROI, Marius Giorgi USTUROI, Roxana Nicoleta RAȚU, Madalina Alexandra DAVIDESCU*, Francois DJITIE KOUATCHO, Mohamed KENAWI, Petronella Van der PASCH, **2024** - The physiological effects of some stress indicators in Rainbow Trout raised in different systems. Scientific Papers. Series D. Animal Science, Vol. LXVII, No. 1, pp. 646-659. **cotată ISI I.F. 0.3. (Autor corespondent) – 30 puncte + 16,43 puncte coautor = 46,43 puncte**

6. Claudia Pânzaru, Răzvan Mihail Radu-Rusu, Marius Gheorghe Doliș, Mariana Nistor, Vasile Maciuc, Mădălina Alexandra Davidescu*, 2024 - Contributions to the study of milk quality from various cattle breeds. Scientific Study & Research – Chemistry & Chemical Engineering, Biotechnology, Food Industry. SCSCC6, Volume XXV, No. 4, pp. 393-401. <https://doi.org/10.29081/ChIBA.2024.593> **WOS:001381255700005** **cotată ISI I.F. 0.3. (Autor corespondent) – 30 puncte + 19,17 puncte coautor = 49,17 puncte**

4. LUCRĂRI PUBLICATE ÎN EXTENSO ÎN REVISTE COTATE ISI CU FACTOR DE IMPACT ≥ 1, CLASATE ÎN ZONA ROȘIE

1. **Mădălina Alexandra DAVIDESCU**, Claudia Pânzaru, Alexandru Usturoi, Răzvan-Mihail Radu-Rusu, and Șteofil Creangă, **2023** - An Appropriate Genetic Approach to Endangered Podolian Grey Cattle in the Context of Preserving Biodiversity and Sustainable Conservation of Genetic Resources. *Agriculture* 13, no. 12: 2255. <https://doi.org/10.3390/agriculture13122255>. WOS:001136057400001. **cotată ISI I.F. 3.6. – 120 puncte prim autor + 164 puncte coautor = 284 puncte**

2. **Mădălina Alexandra DAVIDESCU**, Simeanu Daniel, Gorgan Dragos-Lucian, Ciorpac Mitica, Creanga Steofil, **2022** - Analysis of Phylogeny and Genetic Diversity of Endangered Romanian Grey Steppe Cattle Breed, a Reservoir of Valuable Genes to Preserve Biodiversity. *Agriculture*, 12(2), 2059. WOS:000900172100001. **cotată ISI I.F. 3.6** eISSN 2077-0472, DOI10.3390/agriculture12122059 – **120 puncte prim autor + 164 puncte coautor = 284 puncte**

3. **Davidescu M-A**, Pânzaru C, Mădescu B-M, Radu-Rusu R-M, Doliș MG, Simeanu C, Usturoi A, Ciobanu A, Creangă Ș., **2024** - Genetic Diversity and Phylogenetic Analysis of the Endangered Transylvanian Pinzgau Cattle: A Key Resource for Biodiversity Conservation and the Sustainability of Livestock Production. *Agriculture*. 2024; 14(12):2234. <https://doi.org/10.3390/agriculture14122234> **cotată ISI I.F. 3.3 WOS:001384126800001 – 120 puncte prim autor + 84,44 puncte coautor = 204,44 puncte**

Coautor:

1. Doliș MG, Pânzaru C, Usturoi MG, Usturoi A, Radu-Rusu C-G, **Davidescu MA**. On the Digestibility of Mulberry Leaf Fed to *Bombyx mori* Larvae. *Agriculture*. 2024; 14(8):1394. <https://doi.org/10.3390/agriculture14081394> WOS:001306916100001 **cotată ISI I.F. 3.6. – 126,67 puncte**

2. Pânzaru C, Doliș MG, Radu-Rusu R-M, Pascal C, Maciuc V, **Davidescu M-A.***, **2024** - Equine Milk and Meat: Nutritious and Sustainable Alternatives for Global Food Security and Environmental Sustainability—A Review. *Agriculture*. 2024; 14(12):2290. <https://doi.org/10.3390/agriculture14122290> WOS:001384167700001 **cotată ISI I.F. 3.3. (Autor corespondent) – 120 puncte prim autor + 126,67 puncte coautor = 246,67 puncte**

3. Alexandru Usturoi, Marius Gheorghe Doliș, Roxana Nicoleta Rațu, Cristina Simeanu, Florin Baltag, Catalin Nistor, Claudia Pânzaru, Razvan-Mihail Radu-Rusu, **Mădălina Alexandra Davidescu***, Marius Giorgi Usturoi, **2025** - Impact of Ecological Sea Buckthorn Powder on Egg Production and Quality in Free-Range Moravia Black Hens. *Agriculture* 2025, 15(1), 104. doi.org/10.3390/agriculture15010104 **cotată ISI I.F. 3.3. (Autor corespondent) – în curs de indexare WOS – 120 puncte prim autor + 76 puncte coautor = 196 puncte**

5. LUCRĂRI PUBLICATE ÎN REVISTE RECENZATE ÎN BDI

Autor principal:

1. **Mădălina Alexandra DAVIDESCU**, Mădescu Bianca Maria, Matei A.C., Creangă Șt., **2019** - The quality indicators of raw milk produced from a cattle farm in Iasi county. *Annals of the University of Craiova*, Vol. XXIV (LX), p. 360-366. I.S.S.N 1435-1275. **CABI Record Number: 20203273977** **6 puncte prim autor + 5 puncte coautor = 11 puncte**

https://horticultura.ucv.ro/horticultura/sites/default/files/horticultura/Reviste/Analele/2019/anale_2019_f h.pdf

2. **Madalina Alexandra DAVIDESCU**, Bianca M. Mădescu, Andrei C. Matei, Ioana Poroșnicu, Andra S. Neculai-Văleanu, Mitică Ciorpac, Șteofil Creangă, **2020** - *Genetic Markers Used in Molecular Phylogeny Studies, Research on Endangered Cattle Breeds*. *Scientific Papers Animal Science and Biotechnologies*, Vol 53 (2), p. 84-87. ISSN 2344 – 4576. **CABI Record Number: 20203539422** **6 puncte prim autor + 2,86 puncte coautor = 8,86 puncte**

https://spasb.ro/index.php/public_html/article/view/762

3. **Mădălina Alexandra DAVIDESCU**, C-tin Pascal, A.C. Grădinaru, D. Simeanu, V. Maciuc, Șt. Creangă, **2020** - *Analytical methods based on mass spectrometry used in genomic, proteomic and metabolomic studies*. *Scientific Papers-Animal Science Series: Lucrări Științifice - Seria Zootehnie*, Vol. 74(25), p. 10-14. ISSN 2067-2330. **CABI Record Number: 20203565617** **6 puncte prim autor + 3,33 puncte coautor = 9,33 puncte**

https://www.uaiasi.ro/firaa/Pdf/Pdf_Vol_74/Madalina_Davidescu.pdf

4. **Madalina Alexandra DAVIDESCU**, Șteofil Creangă, Mădălina Elena Henea, Andrei Cristian Grădinaru, **2020** - *Agriculture and milk production in Romania - retrospectives and trends in the European context*. *AAB Bioflux*, Vol. 12, Issue 2, p. 58-66. ISSN 2067-6344. **CABI Record Number: 2021000603** **6 puncte prim autor + 5 puncte coautor = 11 puncte**

<http://www.aab.bioflux.com.ro/docs/2020.58-66.pdf>

5. **Mădălina-Alexandra DAVIDESCU**, Grădinaru A.C., Creangă Șt., **2021** - *Endangered Romanian Cattle Breeds – Between Traditional Breeding and Genetic Conservation*. *Scientific Papers-Animal Science Series: Lucrări Științifice - Seria Zootehnie*, vol. 75, p. 66-75. ISSN 2067-2330. **CABI Record Number: 20210195063** **6 puncte prim autor + 6,67 puncte coautor = 12,67 puncte**

https://www.uaiasi.ro/firaa/Pdf/Pdf_Vol_75/Madalina_Davidescu-1.pdf

6. **Mădălina Alexandra DAVIDESCU**, Grădinaru C.A., Ilie E. Daniela, Ivancia Mihaela, Creangă Șt., **2021** – *Blood DNA extraction for genetic analysis in endangered Romanian Grey cattle*. *Scientific Papers- Animal Science Series: Lucrări Științifice - Seria Zootehnie*, Vol. 75(26), p.119-122. ISSN 2067-2330. **CABI Record Number: 20210195071** **6 puncte prim autor + 4 puncte coautor = 10 puncte**

https://www.uaiasi.ro/firaa/Pdf/Pdf_Vol_75/Madalina_Davidescu-2.pdf

7. **Mădălina Alexandra DAVIDESCU**, Pascal C-tin, Ciorpac M., Mădescu M. Bianca, Neculai-Văleanu A. Sabina, Poroșnicu Ioana, Matei A.C., Creangă Șt., **2021** - *Analysis methods used in genomics research on cattle breeds*. *Scientific Papers-Animal Science Series: Lucrări Științifice - Seria Zootehnie*, vol.

75(26), p. 123-127. ISSN 2067-2330. **CABI Record Number: 20210195072** 6 puncte prim autor + 2,5 puncte coautor = **8,5 puncte**

https://www.uaiasi.ro/firaa/Pdf/Pdf_Vol_75/Madalina_Davidescu-3.pdf

8. **Mădălina Alexandra DAVIDESCU**, Andrei C. Grădinaru, Constantin Pascal, Daniel Simeanu, Vasile Maciuc, Mihaela Ivancia, Steofil Creanga, **2021** - *Analysis of the Mitochondrial Genome in Podolian Cattle Breeds*. Scientific Papers Animal Science and Biotechnologies. Vol. 54 (2), pp. 55-59. ISSN 2344 – 4576.

CABI Record Number: 20210446955 6 puncte prim autor + 2,86 puncte coautor = **8,86 puncte**

https://www.spasb.ro/index.php/public_html/article/view/793

9. **Madalina Alexandra DAVIDESCU**, Mitică Ciorpac, Bianca Maria Mădescu, Ioana Poroșnicu, Steofil Creangă, **2021** - *Analysis of the Genetic Diversity of Endangered Cattle Breeds Based on Studies of Genetic Markers*. Scientific Papers Animal Science and Biotechnologies Vol. 54 (2), pp. 60-63. ISSN 2344 – 4576.

CABI Record Number: 20210446956 6 puncte prim autor + 4 puncte coautor = **10 puncte**

https://spasb.ro/index.php/public_html/article/view/794

10. **Madalina Alexandra DAVIDESCU**, M. Ciorpac, D.L. Dascălu, T. Bugeac, Ș. Creangă, **2022** - The study of genetic diversity of Grey Steppe cattle breed by analyzing the cytochrome b and d-loop mitochondrial markers. Animal & Food Sciences Journal Iasi, Vol. 77 (1), pp. 99-103.

CABI Record Number: 20230295177 6 puncte prim autor + 4 puncte coautor = **10 puncte**

https://www.uaiasi.ro/firaa/Pdf/Pdf_Vol_77/M_Davidescu.pdf

11. **Madalina Alexandra DAVIDESCU**, Simeanu D., Simeanu C., Ivancia M., Șteofil Creangă, **2022** - Comparative analysis of two DNA extraction methods used in genomic research in cattle. Scientific Papers Animal Science and Biotechnologies. Vol. 55 (2), pp. 200-205.

CABI Record Number: 20230155798 6 puncte prim autor + 4 puncte coautor = **10 puncte**

https://spasb.ro/index.php/public_html/article/view/83/68

12. **Madalina Alexandra DAVIDESCU**, Ivancia M., Simeanu D., Creangă Șt., **2023** - Analysis of the purity of DNA isolated from blood samples at Pinzgau cattle, Conferința internațională "Animal and food sciences and sustainable development", USV-Iași, Animal & Food Sciences Journal Iasi, Vol. 79 (3), pp. 46-50.

CABI Record Number: 20230295396 6 puncte prim autor + 5 puncte coautor = **11 puncte**

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