

Universitatea pentru Științele Vieții "Ion Ionescu de la Brad" din Iași

Școala Doctorală de Științe Inginerești

Domeniul de doctorat: Zootehnie

Conducător de doctorat: Prof. dr. habil. Răzvan-Mihail RADU-RUSU

Specializări coordonate: Tehnologia exploataării păsărilor și animalelor de blană; Tehnologia produselor animaliere

LISTA PUBLICAȚIILOR ȘTIINȚIFICE

1) Lista celor mai relevante cinci lucrări (in extenso) publicate în reviste indexate Web of Science sau ERIH, cu factor de impact

1. **Radu-Rusu R.M.**, Usturoi M.G., Leahu A., Amariei S., Radu-Rusu C.G., Vacaru-Opriș I., 2014 - Chemical features, cholesterol and energy content of table hen eggs from conventional and alternative farming systems. *South African Journal of Animal Science* 44(1):33-42. WOS:000336357300005
2. Frunză, G., Murariu, O. C., Ciobanu, M. M., **Radu-Rusu, R. M.**, Simeanu, D., & Boișteanu, P. C. (2023). Meat Quality in Rabbit (*Oryctolagus cuniculus*) and Hare (*Lepus europaeus* Pallas)—A Nutritional and Technological Perspective. *Agriculture*, 13(1), 126. <https://doi.org/10.3390/agriculture13010126> WOS:000914217700001
3. Coroian, C. O., Coroian, A., Becze, A., Longodor, A., Mastan, O., & **Radu-Rusu, R. M.** (2022). Polycyclic Aromatic Hydrocarbons (PAHs) Occurrence in Traditionally Smoked Chicken, Turkey and Duck Meat. *Agriculture*, 13(1), 57. <https://doi.org/10.3390/agriculture13010057> WOS:000914348100001
4. Simeanu, D., **Radu-Rusu, R. M.**, Mintas, O. S., & Simeanu, C. (2022). Qualitative and Nutritional Evaluation of Paddlefish (*Polyodon spathula*) Meat Production. *Agriculture*, 12(11), 1965. <https://doi.org/10.3390/agriculture12111965> WOS:000894367800001
5. Usturoi, M. G., **Radu-Rusu, R. M.**, Usturoi, A., Simeanu, C., Doliș, M. G., Rațu, R. N., & Simeanu, D. (2023). Impact of Different Levels of Crude Protein on Production Performance and Meat Quality in Broiler Selected for Slow Growth. *Agriculture*, 13(2), 427. <https://doi.org/10.3390/agriculture13020427> WOS:000937915000001

2) Teza de doctorat:

Radu-Rusu R. M., Coord. Prof. dr. Acad. Ioan VACARU-OPRIȘ, 2009 - Contribuții la cunoașterea morfologiei, structurii și a însușirilor fizico-chimice ale unor mușchi somatici, proveniți de la puii broiler de găină. 234 pag., Lito., Biblioteca USAMV Iași.

3) Cărți și capitole în cărți

3a) Cărți și capitole în cărți publicate în edituri din străinătate (cu ISBN)

1. Marți R., **Radu-Rusu R.M.**, Vacaru-Opriș I., 2012 - Mycotoxins Quo Vadis? Why feed additives? (in English) Erber AG, Herzogenburg, Austria. ISBN 978-320-002-875-3, 277 pag.
2. Marți R., **Radu-Rusu R.M.**, Vacaru-Opriș I., 2012 - Mycotoxinele Quo Vadis? (limba română) Erber AG, Herzogenburg, Austria. ISBN 978-320-002-875-3 – 290 pag.

3b) Cărți și capitole în cărți publicate în edituri naționale (cu ISBN)

1. **Radu-Rusu R.M.**, 2023 - Biologia producțiilor animale. Editura Alfa, Iași, ISBN 978-606-540-295-9, 300 pag.
2. **Radu-Rusu R.M.**, Teușan V., 2018 - Anatomie, histologie, embriologie. Vol. 1 - Reproducere celulară, embriologie, histologie generală, anatomia aparatului locomotor. Editura Alfa, Iași, ISBN 978-606-540-214-0, 250 pag.
3. **Radu-Rusu R.M.**, Teușan V., 2018 - Anatomie, histologie, embriologie. Vol. 2 - Organe, aparate și sisteme. Editura Alfa, Iași, ISBN 978-606-540-215-7, 350 pag.
4. Brezuleanu C.O., Brezuleanu S., Bîlbă R., **Radu-Rusu R.**, Orboi M.D., Susanu I.O., 2022 - Manual - Ghid dezvoltarea competențelor digitale. Editura performantica, Iași, ISBN 978-606-685-863-2, 192 pag.
5. Pop I.M., Pascal C., Ivancia M., **Radu-Rusu R.M.**, Usturoi M.G., Simeanu D., Păsărin B., Boișteanu P.C., Vacaru-Opriș I., 2021 - Facultatea de Ingineria Resurselor Animale și Alimentare (Facultatea de Zootehnie) la 70 de ani de la înființare. Editura Ion Ionescu de la Brad Iași, ISBN 978-973-147-432-8, 473 pag.
6. Ivancia M., Donosă R.E., Rațu R.N., Nacu G., Ciobanu M.M., Nistor C.E., **Radu-Rusu R.M.**, Fotea L., Doliș M.G., Hoha G.V., Brezuleanu C.O., Sîrghea A., 2021 - Incursiune în lumea resurselor animale și alimentare. Editura Ion Ionescu de la Brad Iași, ISBN 978-973-147-422-9, 291 pag.

7. Maciuc V., Leonte C., **Radu-Rusu R.M.** – Manual de bune practici în creșterea bovinelor, 2015. Editura Alfa, Iași, ISBN 978-606-540-148-8, 100 pag.
8. Pop C., Cotea V.V., **Radu-Rusu R.M.**, Colibaba C., Pop I.M., Enache C., 2010 – Windair – Managementul siguranței alimentelor în domeniul vinului și produselor lactate. Editura TipoMoldova Iași, ISBN: 978-973-168-259-4, 250 pag.
9. Teușan V., Leonte D., **Radu-Rusu R.M.**, Teușan A., 2007 – Biologie celulară animală, Editura Alfa, Iași, ISBN: 978-973-895-341-3, 195 pag.

3c) Cărți litografiate și în format electronic

1. **Radu-Rusu R.M.**, Teușan V., 2020 - Anatomie, histologie, embriologie. Suport studiu individual, program de studii de licență Zootehnie, ID - Modulul 1, semestrul I - Nomenclatură anatomică, Aparatul locomotor, Histologie generală, Embriologie generală, LITO USAMV Iași și platformă Moodle, 143 pagini
2. **Radu-Rusu R.M.**, Teușan V., 2020 - Anatomie, histologie, embriologie. Suport studiu individual program de studii de licență Zootehnie, ID - Modulul 2, semestrul II - Organe, aparate și sisteme, LITO USAMV Iași și platformă Moodle, 123 pagini

4) Articole/studii in extenso, publicate în reviste cotate ISI cu factor de impact

4a) Prim autor/corespondent/coordonator

1. **Radu-Rusu R.M.**, Usturoi M.G., Leahu A., Amariei S., Radu-Rusu C.G., Vacaru-Opriș I., 2014 - Chemical Features, Cholesterol and Energy Content of Table Hen Eggs from Conventional and Alternative Farming Systems. *South African Journal of Animal Science* 44(1):33-42. WOS:000336357300005
2. Frunză, G., Murariu, O. C., Ciobanu, M. M., **Radu-Rusu, R. M.**, Simeanu, D., & Boișteanu, P. C. (2023). Meat Quality in Rabbit (*Oryctolagus cuniculus*) and Hare (*Lepus europaeus* Pallas)—A Nutritional and Technological Perspective. *Agriculture*, 13(1), 126. <https://doi.org/10.3390/Agriculture13010126> WOS:000914217700001
3. Coroian, C. O., Coroian, A., Becze, A., Longodor, A., Mastan, O., & **Radu-Rusu, R. M.** (2023). Polycyclic Aromatic Hydrocarbons (Pahs) Occurrence in Traditionally Smoked Chicken, Turkey and Duck Meat. *Agriculture*, 13(1), 57. <https://doi.org/10.3390/Agriculture13010057> WOS:000914348100001
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5. Simeanu, D., **Radu-Rusu, R. M.**, Mintas, O. S., & Simeanu, C. (2022). Qualitative and Nutritional Evaluation of Paddlefish (*Polyodon Spathula*) Meat Production. *Agriculture*, 12(11), 1965. <https://doi.org/10.3390/Agriculture12111965> WOS:000894367800001
6. Albu, A., **Radu-Rusu, R. M.**, Simeanu, D., Radu-Rusu, C. G., & Pop, I. M. (2022). Phenolic and Total Flavonoid Contents and Physicochemical Traits of Romanian Monofloral Honeys. *Agriculture*, 12(9), 1378. <https://doi.org/10.3390/Agriculture12091378> WOS:000856153300001
7. Maciuc, V., & **Radu-Rusu, R. M.** (2018). Assessment of Grey Steppe Cattle Genetic and Phenotypic Traits as Valuable Resources in Preserving Biodiversity. *Environmental Engineering & Management Journal (EEMJ)*, 17(11), 2741-2748 WOS:000484814600063
8. Rațu, R. N., Cârlescu, P. M., Usturoi, M. G., Lipșa, F. D., Veleșcu, I. D., Arsenoaia, V. N., **Radu-Rusu R.M.** ... & Simeanu, D. (2023). Effects of Dairy Cows Management Systems on the Physicochemical and Nutritional Quality of Milk and Yogurt, in a North-Eastern Romanian Farm. *Agriculture*, 13(7), 1295. <https://doi.org/10.3390/Agriculture13071295> WOS: 001034732400001
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4b) Coautor:

1. Maciuc, V., Pânzaru, C., Ciocan-Alupii, M., Radu-Rusu, C. G., & **Radu-Rusu, R. M.** (2024). Comparative Assessment of the Nutritional and Sanogenic Features of Certain Cheese Sorts Originating in Conventional Dairy Farms and in “Mountainous” Quality System Farms. *Agriculture*, 14(2), 172. <https://doi.org/10.3390/agriculture14020172>
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3. Davidescu, M. A., Pânzaru, C., Usturoi, A., **Radu-Rusu, R. M.**, & Creangă, Ș. (2023). An Appropriate Genetic Approach to Endangered Podolian Grey Cattle in The Context of Preserving Biodiversity and Sustainable Conservation of Genetic Resources. *Agriculture*, 13(12), 2255. <https://doi.org/10.3390/agriculture13122255> WOS:001136057400001
4. Usturoi A, Usturoi M-G, Avarvarei B-V, Pânzaru C, Simeanu C, Usturoi M-I, Spătaru M, **Radu-Rusu R-M**, Doliș M-G, Simeanu D. (2023). Research Regarding Correlation Between the Assured Health State for Laying Hens and Their Productivity. *Agriculture*, 13(1):86. <https://doi.org/10.3390/Agriculture13010086> WOS:000914298200001
5. Nechifor, I., Florea, M. A., **Radu-Rusu, R. M.**, & Pascal, C. (2022). Influence of Supplemental Feeding On Body Condition Score and Reproductive Performance Dynamics in Botosani Karakul Sheep. *Agriculture*, 12(12), 2006. <https://doi.org/10.3390/Agriculture12122006> WOS:000902049000001
6. Kouatcho, F. D., **Rusu, R. M. R.**, Mohamadou, B., Aoudou, B., Pop, I. M., Usturoi, M. G., & Tinkeu, L. S. N. (2022). Valorization of Cricket, *Acheta Domesticus* (Linnaeus, 1758), Flour as A Source of Dietary Protein in Japanese Quail, *Coturnix Japonica* (Temminck and Schlegel, 1849), Farming. *Journal of Advanced Veterinary and Animal Research*, 9(2), 310. doi.org/10.5455/Javar.2022.I598 WOS:000827440500005
7. Maciuc V., Radu-Rusu C.G., Popescu E.C., **Radu-Rusu R.M.**, Jurco E.C., 2017 - Influence of Season and Cows Farming System On Milk Physical, Chemical and Hygienic Traits. *Romanian Biotechnology Letters*, 22 (6):13108-13119. WOS:000423282700010
8. Gîlcă V., Gîlcă I., **Radu-Rusu R.M.**, 2015 – Study On the Usage of Aquatic Vegetation and Combined Feed in Certain Cyprinids Species Feeding. *Research Journal of Biotechnology* 10(2):5-13 WOS:000351642000002
9. Curea, C. D., Usturoi, M. G., Custură, I., **Radu-Rusu, R. M.**, Rațu, R. N., Prisăcaru, M., & Usturoi, A. (2023). Efficiency of Growing of Chicken Broilers Under Conditions of Compliance with EU Rules of Welfare. *Scientific Papers. Series D. Animal Science*, 66(1). WOS: 001108903600033
10. Ciocan-Alupii, M., **Radu-Rusu, R. M.**, Pânzaru, C., Nistor-Anton, M., Bilkevich, V., & Maciuc, V. (2022). Study of Productive Performance in The Pinzgau Breed Exploited in The Dornelor Basin, Suceava County. *Sci. Pap. Ser. D Anim. Sci*, 65, 298-303. WOS:000914162300043
11. Cuciureanu, C. M., **Radu-Rusu, R. M.**, & Usturoi, M. G. (2022). Study of The Profile of Fatty Acids Determined for Hubbard Capons. *Sci. Pap. Ser. D Anim. Sci*, 65, 249-253. WOS:000914162300035
12. Manea, D. F., **Radu-Rusu, R. M.**, Doliș, M., Nacu, G., & Maciuc, V. (2022). Study On the Official Performance Control for Meat Production of Aberdeen Angus Cattle Breed in Romania. *Sci. Pap. Ser. D Anim. Sci*, 65, 384-388. WOS:000834534200049

5) Articole/studii in extenso, publicate în reviste sau conferințe indexate ISI (fără factor de impact)

Prim autor/autor correspondent/cordonator:

1. **Radu Rusu, R. M.**, Usturoi, M. G., Rațu, R. N., Djitie Kouatcho, F., Hoha, G. V., Usturoi, A., ... & Ropciuc, S. (2020). Bromelain Treatments Effect On Pork Loin Histological, Textural And Technological Properties. *Scientific Papers. Series D. Animal Science*, 63(2), 351-355 WOS:000594991500054
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Coautor:

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4. Usturoi, M. G., Ratu, R. N., **Radu-Rusu, R. M.**, Ivancia, M., & Usturoi, A. (2021). Fatty Acid Profile in Eggs and Eggs Products. *Sci. Pap. Ser. D Anim. Sci*, 64, 399-403. WOS:000737352500055

5. Rațu, R. N., Ciobanu, M. M., **Radu-Rusu, R. M.**, Usturoi, M. G., Ivancia, M., & Doliș, M. G. (2021). Study On the Chemical Composition and Nitrogen Fraction of Milk from Different Animal Species. *Sci. Pap. Ser. D Anim. Sci*, 64, 374-379. WOS:000737352500051
6. Pânzaru, C., Gîlcă, I., Doliș, M. G., Rațu, R. N., **Radu-Rusu, R. M.**, & Spulber, M. C. (2021). Study Regarding the Factors Influencing the Price at Psi Annual Auction. *Sci. Pap. Ser. D Anim. Sci*, 64, 75-80. WOS:000686570700010
7. Cuciureanu, C. M., Usturoi, M. G., & **Radu-Rusu, R. M.** (2021). Studies of Capons Meat Production Belonging to The Hubbard Chicken Hybrid. *Sci. Pap. Ser. D Anim. Sci*, 64, 318-322. WOS:000686570700045
8. Pânzaru, C., Gîlcă, I., **Radu-Rusu, R. M.**, Rațu, R. N., & Doliș, M. G. (2020). Study Regarding Morphological Parameters of Certain Horse Categories of Shagya Arabian Breed in Rădăuți Studfarm. *Sci. Pap. Ser. D Anim. Sci*, 63(1), 350-354 WOS:000594991500054
9. Solomon, L., Boișteanu, P. C., Ciobanu, M. M., Lazăr, R., & **Radu-Rusu, R. M.** (2020). Influence Of Temperature During Slaughter On The Chemical Composition And Gross Energy Of Refrigerated Broiler Breast Meat. *Sci. Pap. Ser. D Anim. Sci*, 63, 462-466. WOS:000574608500067
10. Pânzaru, C., Gîlcă, I., Doliș, M., **Radu-Rusu, R.**, Roxana Nicoleta, Rațu., & Ivancia, M. (2019). Study Regarding Some Reproductive Parameters in Shagya Arabian Mares from Rădăuți Stud Farm. *Sci. Pap. Ser. D Anim. Sci*, 62(2), 103-108. WOS:000509121700016
11. Costachescu, D. F., Boișteanu, P. C., Hoha, G., & **Radu-Rusu, R. M.** (2019). Morphological Characteristics of the Carcasses and Results Obtained at Sacrificiation Preparations from The Meat Line. *Sci. Pap. Ser. D Anim. Sci*, 62(2), 416-423 WOS:000484814600063
12. Maciuc, V., **Radu-Rusu, R. M.**, Popescu, C. E., Nacu, G., & Hoha, G. V. (2019). Study On Improving Beef Production Through Industrial Crossing. *Sci. Pap. Ser. D Anim. Sci*, 62(2), 300-305 WOS:000484814600045
13. Rațu, R. N., Usturoi, M. G., Usturoi, A., **Radu-Rusu, R. M.**, & Ivancia, M. (2019). Quality Assessment of the Cow Milk Traded On the Iasi Market. *Sci. Pap. Ser. D Anim. Sci*, 62(1), 352-357 WOS:000484814600053
14. Usturoi, M. G., & **Radu-Rusu, R. M.** (2009). Alternative Solutions to Be Used in Laying Hens' husbandry. *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Animal Science and Biotechnologies*, 62:32-36. WOS:000245239500007
15. Ciobanu, L., Maciuc, V., & **Rusu-Radu, R. M.** (2019). Correlations between peritoneal fat, mid-thigh fat and mid-thigh muscles in chronic respiratory patients. *European Respiratory Journal* 54 (S63) DOI: 10.1183/13993003.congress-2019.PA606 WOS:000507372407236
16. Usturoi, M. G., Boișteanu, P. C.; **Radu-Rusu, R. M.**, Pop, I. M., Dolis, M. G., Usturoi, A., (2010). Optimisation of the reproductive capacity in ross-308 breeders (Hens), using delayed photostimulation. *Reproduction in Domestic Animals*, 45 (S3): 110-110. WOS:000280355200251
17. Usturoi, M. G., Boișteanu, P. C.; **Radu-Rusu, R. M.**, Pop, I. M., Dolis, M. G., Usturoi, A., (2009). Improvement of Reproduction Activity in Ross Hybrid Breeders through the Optimization of the Lighting Schedule. *Reproduction in Domestic Animals*, 44: 129-129. WOS:000268273100270

6) Articole/studii in extenso, publicate în reviste indexate în alte BDI

6.a. Prim/singur autor

1. **Radu-Rusu R.M.**, Usturoi M.G., Pânzaru C., Djitie-Kouatcho F., Ilie D. (2022). Dynamics of The Oviduct Micromorphometry of Japanese Quail, In Relation with Laying Curve Phase. *Animal and Food Sciences Journal* 77, 109-115.
2. **Radu-Rusu R.M.**, Usturoi M.G., Pânzaru C., 2021 - Study On Waterfowl Meat Texture – A Comparison Between the Histological and Rheological Methods. *Lucrări Științifice USAMV Iași, Seria Zootehnie*, Vol. 75:217-221.
3. **Radu-Rusu R.M.**, Rațu R., Sorocopud O., 2017 - Effects of Bromelain Enzymatic Proteolysis On Some Rheological and Technological Properties of Beef. *Lucrări Științifice USAMV Iași, Seria Zootehnie*, Vol. 68 (19):77-82.
4. **Radu-Rusu R.M.**, 2017 - Influence of Refrigeration, Freezing and De-Freezing Method On the Chemical Composition, Caloricity and Certain Rheological-Textural Traits of Poultry Meat. *Lucrări Științifice USAMV Iași, Seria Zootehnie*, Vol. 67 (18):92-97.
5. **Radu-Rusu R.M.**, Prisacaru A.E., Sady Hussen T., Hoha G.V., 2013 - Certain Textural Properties of Chicken Meat, Investigated Through Histology and Photonic Microscopy Techniques, *Food and Environment Safety Journal*, 12 (1):5-11.

6. **Radu-Rusu R.M.**, Usturoi M.G., Vacaru-Opriş I., Usturoi A., Cojocariu C.L., Aioanei N., Radu-Rusu C.G., 2013 - Study On Certain Freshness and Hygiene Parameters of Edible Milk Marketed by Small Size Farmers in Iasi City. *Lucrări Ştiinţifice USAMV Iaşi, Seria Zootehnie*, Vol. 60 (18):160-164.
7. **Radu-Rusu R.M.**, Usturoi M.G., Radu-Rusu C.G., Albu A., Vacaru-Opris I., 2012 - Nutritional Peculiarities of the Hen Eggs Produced Within Improved Cages or Free Range Alternative Systems. *Lucrări Ştiinţifice USAMV Iaşi, Seria Zootehnie*, Vol. 57 (17):202-206.
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9. **Radu-Rusu R.M.**, I. Vacaru-Opriş, M.G. Usturoi, Aida Albu, 2010 - Contributions On the Nutritional Value Knowledge for The Meat Produced by Ross-308 Chicken Hybrid. *Lucrări Ştiinţifice USAMV Iaşi, Seria Zootehnie*, 53 (15):257-261.
10. **Radu-Rusu R.M.**, Teuşan V., Vacaru-Opriş I., 2009 – Aspects Concerning the Histological Structure of the Biceps Brachialis Muscles in Chicken Broilers, *Lucr. Şt. U.S.A.M.V. Iaşi, Seria Zootehnie*, Vol. 52:266-270, ISSN 1454-7368.
11. **Radu-Rusu R.M.**, Vacaru-Opriş I., Usturoi M.G., 2009 – Researches Concerning the Slaughtering Efficiency and The Cut Parts Proportion in The Carcasses of the Chicken Broilers Reared Within Intensive System, *Lucr. Şt. U.S.A.M.V. Iaşi, Seria Zootehnie*, Vol. 52:411-415, ISSN 1454-7368.
12. **Radu-Rusu R.M.**, Teuşan V., M.G. Usturoi, Vacaru-Opriş I., 2008 – Study On the Dimensional and Morphological Elements of Some Breast and Limbs Muscles at Cobb-500 Hibryd, *Lucr. Şt. U.S.A.M.V. Iaşi, Seria Zootehnie*, Vol. 51:299-305, ISSN 1454-7368.
13. **Radu-Rusu R.M.**, Vacaru-Opriş I., Radu-Rusu Cristina, 2008 – Quantitative and Qualitative Features of Meat Production in Cobb-500 Chicken Hybrid, *Lucr. Ştiinţifice U.S.A.M.V.B. Timişoara, Seria Zootehnie Şi Biotehnologii*, Vol. 41 (1,2), ISSN 1221-5287.
14. **Radu-Rusu R.M.**, Vacaru-Opriş I., Usturoi M.G., Albu Aida, Radu-Rusu Cristina, 2008 – Chemical Composition and Caloricity of Certain Skelatal Muscles in Ross-308 Chicken Broiler, *Lucr. Şt.U.S.A.M.V. Bucureşti, Vol.Li, Zootehnie*, ISSN 1224-4295.
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7) **Lucrări prezentate/publicate în cadrul conferințelor științifice internaționale**

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