

LUCRĂRI ȘTIINȚIFICE PUBLICATE ÎN ANUL 2024

Lucrări publicate în jurnale cotate ISI, cu Factori de Impact

- 1) Borș Alina, Borș Silviu-Ionuț, Floriștean Viorel-Cezar, *Health-Related Outcomes and Molecular Methods for the Characterization of A1 and A2 Cow's Milk: Review and Update*, Veterinary Sciences, 2024, 11, no. 4: 172.
- 2) Borș Alina, Borș Silviu-Ionuț, Floriștean Viorel-Cezar, *Mastitis impact on high-yielding dairy farm's reproduction and net present value*, Front Vet Sci., 2024, 8;10:1345782.
- 3) Neculai-Văleanu A.-S., Ariton A.-M., Radu C, Porosnicu I., Sanduleanu C., Amariții G., *From Herd Health to Public Health: Digital Tools for Combating Antibiotic Resistance in Dairy Farms*, Antibiotic, 2024, 13(7):634
- 4) Amariții G., Neculai-Văleanu A.S., Maciuc V., *The assessment of dairy cows welfare in a farm from the North-East of Romania*, Scientific Papers. Series D. Animal Science, 2024, Vol. LXVII, Issue 1.
- 5) Sănduleanu Cătălina, Neculai-Văleanu Andra-Sabina, Albu Aida, Nicoleta Roxana Rațu, Usturoi Marius Giorgi, Vintilă Vasile, Maciuc Vasile, *The influence of management practices on milk quality in a dairy cattle farm*, Scientific Papers. Series D. Animal Science, 2024, Vol. LXVII, No. 1, 300 – 306.
- 6) Ariton Adina-Mirela, Neculai-Văleanu Andra-Sabina, Poroșnicu Ioana, *The impact of increased somatic cell count on cow milk acidity and lactose content*, Scientific Papers. Series D. Animal Science, 2024, Vol. LXVII, No. 2, p. 281-286.
- 7) Ioana Poroșnicu, Luminița-Iuliana Ailincăi, Alina-Narcisa Postolache, Sabina Neculai-Văleanu, Mirela-Adina Ariton, Mihai Mares, *Evaluation of the health status of dairy cows during a mycotoxin screening of feed in a farm from North-East Romania*, Scientific Papers. Series D. Animal Science, 2024, Vol. LXVII, No. 2, p. 388-398.

Lucrări publicate în jurnale incluse în baze de date internaționale (BDI)

- 1) Neculai-Văleanu Andra-Sabina, Porosnicu Ioana, *Small and medium dairy farmers: expectations and needs for ICT on the farm*, Annals of the Academy of Romanian Scientists Series Agriculture, Silviculture and Veterinary Medicine Sciences, Vol. 13, Nr. 1/, p. 27- 36, 2024.
- 2) Amariții Gabriela, Neculai-Văleanu Andra-Sabina, Maciuc Vasile, *Study regarding the influence of THI on the last period of gestation on calves birth weight and their subsequent development*, Annals of the Academy of Romanian Scientists Series Agriculture, Silviculture and Veterinary Medicine Sciences, Online ISSN 2344 – 2085, Vol. 13, Nr. 1, p. 37 – 46, 2024.
- 3) Amariții G., Neculai-Văleanu A.-S., Maciuc V., *Study regarding the influence of the temperature - humidity index value on the health of the mammary gland in a dairy cows herd from a farm in Iași county*, Animal & Food Sciences Journal Iasi, p 166 – 173, 2024.
- 4) Poroșnicu Ioana, Mădescu Bianca-Maria, Davidescu Mădălina-Alexandra, Neculai-Văleanu Andra-Sabina, Ariton Adina-Mirela, *A brief Statistical Analysis Regarding the Fat Content of Milk Obtained from the Holstein and Simmental Breeds*, Scientific Papers: Animal Science and Biotechnologies, 57 (1), p. 247-250, 2024.

- 5) Ariton Adina-Mirela, Neculai-Văleanu Andra-Sabina, Poroșnicu Ioana, Elena Ungureanu, *A2 milk - Advantages and challenges in the manufacturing of dairy products*, Scientific Papers: Animal Science and Biotechnologies, 57, (1), p. 168-1752, 2024.
- 6) Ariton Adina-Mirela, Neculai-Văleanu Andra-Sabina, Poroșnicu Ioana, *Effects of incorporating clinoptilolite in colostrum on the immunity and diarrhea in newborn calves*, Scientific Papers: Animal Science and Biotechnologies, 57 (2), p. 94-97, 2024.
- 7) Ariton Adina-Mirela, Neculai-Văleanu Andra-Sabina, Poroșnicu Ioana, Lucia Carmen Trincă, *Season influence on milk physico-chemical characteristics*, Scientific Papers: Animal Science and Biotechnologies, 57 (2), p. 98-101, 2024.
- 8) Poroșnicu Ioana, Ailincăi Luminița-Iuliana, Neculai-Văleanu Andra-Sabina, Ariton Adina-Mirela, Davidescu Madalina, Madescu Bianca-Maria, Mares Mihai, *Advanced and Relevant Methods for the Determination of Mycotoxins in Food and Feed*, Scientific Papers: Animal Science and Biotechnologies, 57 (2), p. 55-62, 2024.
- 9) Poroșnicu Ioana, Ailincăi Luminița-Iuliana, Neculai-Văleanu Andra-Sabina, Ariton Adina-Mirela, Davidescu Madalina, Madescu Bianca-Maria, Mares Mihai, *A brief Analysis of the Health Status of Dairy Cows by Determining Serum Biochemical Parameters*, Scientific Papers: Animal Science and Biotechnologies, 57 (2), p. 63-68, 2024.
- 10) Poroșnicu Ioana, Ailincăi Luminița-Iuliana, Neculai-Văleanu Andra-Sabina, Ariton Adina-Mirela, Mares Mihai, *Effects of Mycotoxins on the Health Status of Dairy Cattle*, Scientific Papers: Animal Science and Biotechnologies, 57 (2), p. 69-78, 2024.
- 11) Poroșnicu Ioana, Ailincăi Luminița-Iuliana, Ariton Mirela-Adina, Neculai-Văleanu Andra-Sabina, Bors Silviu-Ionut, Vintila Vasile, Mares Mihai, *The importance of aflatoxin M1 in dairy products – A mini-review*, Scientific Papers, Series Veterinary Medicine vol. 67 no 1, p 67-75, 2024.
- 12) Borș Alina, Rusu Oana Raluca, Iftene Denisa, Ailincăi Luminița, Borș Ionuț, Floriștean Viorel, *Application of HACCP (hazard analysis critical control point) to mozzarella cheese production*, Scientific Papers, Series Veterinary Medicine vol. 67 no 1, p. 34-39, 2024.
- 13) Borș Alina, Rusu Oana Raluca, Borș Ionuț, Ariton Mirela Adina, Floriștean Viorel, *Physical and technological properties of A2 milk- A Review*, Scientific Papers – series Veterinary Medicine, vol. 67 no 2 p. 45-78, 2024.

Lucrări publicate în procceding-urile unor manifestări științifice internaționale

- 1) Ariton Adina-Mirela, Neculai-Văleanu Andra-Sabina, Borș Silviu-Ionuț, Poroșnicu Ioana, Vintilă Vasile, *Assessment of the quality of cow colostrum obtained in the first days after calving*, Simpozionului Științific Internațional "Young people and multidisciplinary research in applied life sciences", secțiunea "Animal Science and Biotechnology", în perioada 21-22 Noiembrie, 2024.
- 2) Ariton Adina-Mirela, Borș Silviu-Ionuț, Neculai-Văleanu Andra-Sabina, Poroșnicu Ioana, Vintilă Vasile, *Research on the use of thyme as a prophylactic alternative in gastrointestinal disorders in cattle*, Simpozionului Științific Internațional "Young people

and multidisciplinary research in applied life sciences”, secțiunea ”Animal Science and Biotechnology”, în perioada 21-22 Noiembrie, 2024.

- 3) Porosnicu Ioana, Ariton Mirela-Adina, Neculai-Valeanu Andra-Sabina, Bors Silviu-Ionut, Vintila Vasile, *Plants as natural defenders against mycotoxins contamination in agriculture*, Simpozionului Științific Internațional ”Young people and multidisciplinary research in applied life sciences”, secțiunea ”Animal Science and Biotechnology”, în perioada 21-22 Noiembrie, 2024.
- 4) Porosnicu Ioana, Ariton Adina-Mirela, Neculai-Valeanu Andra-Sabina, Bors Silviu-Ionut, Vintila Vasile, *Seasonal variations in aflatoxin b1 levels in corn and wheat: A observational study*, Simpozionului Științific Internațional ”Young people and multidisciplinary research in applied life sciences”, secțiunea ”Animal Science and Biotechnology”, în perioada 21-22 Noiembrie, 2024.
- 5) Trincă Lucia Carmen, Scutăraș Cristina Elena, Cozma Andreea Paula, Trofin Alina, Neculai-Văleanu Andra Sabina, Ariton Adina Mirela, *Influence of carvacrol on the stability of sunflower oil*, Life Sciences Today for Tomorrow, Faculty of Horticulture, 24-25 October, 2024.
- 6) Neculai-Văleanu Andra-Sabina, Ariton Adina- Mirela, Radu Ciprian, Sănduleanu Cătălina, Ioana Poroșnicu, *Biogenic Silver Nanoparticle-Enriched Salicylic Acid Dressing for Improved Hoof Care in Cattle*, Proceedings of the 16 th Edition of Euroinvent European exhibition of Creativity and innovation, 2024, ISSN Print: 2601-4564; Online: 2601-4572 p 479.
- 7) Neculai-Văleanu Andra-Sabina, Ariton Adina- Mirela, Radu Ciprian, Sănduleanu Cătălina, Ioana Poroșnic, Genoveva Cojocar, *Herb & spice infused traditional cheese marinated in cold-pressed oil*, Proceedings of the 16 th Edition of Euroinvent European exhibition of Creativity and innovation, 2024, ISSN Print: 2601-4564; Online: 2601-4572 p 479.
- 8) Ariton Adina-Mirela, Neculai-Văleanu Andra-Sabina, Poroșnicu Ioana, *Yogurt fortified with bioactive carrot powder encapsulated in white buckthorn oil*, Proceedings of the 16 th Edition of Euroinvent European exhibition of Creativity and innovation, 2024, ISSN Print:2601-4564; Online: 2601-4572 p 480.
- 9) Sănduleanu Cătălina, Neculai Valeanu Andra Sabina, Ratu Roxana Nicoleta, Porosnicu Ioana, Postolache Alina Narcisa, *Snacks from Moo to You: Cheese carrots*, Proceedings of the 16 th Edition of Euroinvent European exhibition of Creativity and innovation, 2024, ISSN Print: 2601-4564; Online: 2601-4572 p 481.
- 10) Sănduleanu Cătălina, Neculai Valeanu Andra Sabina, Ratu Roxana Nicoleta, Albu Aida, Maciuc Vasile, Usturoi Marius Giorgi, *NutriBoost Spread - Hempseed and Sea buckthorn Organogel-Based System for the delivery of bioactive compounds in spreadable cheese*, Proceedings of the 16 th Edition of Euroinvent European exhibition of Creativity and innovation, 2024, ISSN Print: 2601-4564; Online: 2601-4572 p 482.
- 11) Poroșnicu Ioana, Neculai-Văleanu Andra-Sabina, Ariton Adina-Mirela, Sănduleanu Cătălina, Ailincăi Luminița, *MOO-VE over fungus & pests: natural repellent & antifungal spray for cattle based on nanoencapsulated neem, clove and lavender oil*, Proceedings of the 16 th Edition of Euroinvent European exhibition of Creativity and innovation, 2024, ISSN Print: 2601-4564; Online: 2601-4572 p. 482.
- 12) Sănduleanu Cătălina, Neculai-Văleanu Andra-Sabina, Albu Aida, Rațu Roxana Nicoleta, Usturoi Marius Giorgi, Vintilă Vasile, Maciuc Vasile, *Enhancing dairy farm*

management through precision livestock farming and artificial intelligence, Conferința națională științifică de toamnă a AOSR 2024, IAȘI Rolul inteligenței artificiale în dezvoltarea durabilă a României, 23–24 septembrie 2024, Volume 18, issue 2, 2024, ISSN 2601 – 5102.

- 13) Sănduleanu Cătălina, Neculai-Văleanu Andra-Sabina, Albu Aida, Rațu Roxana Nicoleta, Usturoi Marius Giorgi, Vintilă Vasile, Maciuc Vasile, *Impact of farming systems on milk quality: a precision livestock farming management approach*, Congres Internațional "Life sciences today for tomorrow" 24-25 October 2024 Iasi.
- 14) Neculai-Văleanu Andra-Sabina, Ariton Adina-Mirela, Porosnicu Ioana, Sănduleanu Catalina, Amaritii Gabriela, *Dairy 4.0: Innovative digital technologies in dairy cattle as pathway to improved productivity in the context of climate change*, Congres Internațional "Life sciences today for tomorrow" 24-25 October 2024 Iasi.
- 15) Neculai-Văleanu Andra-Sabina, Sănduleanu Cătălina, *Preserving Heritage through Flavor: Traditional Cheese Marinated in Herb- and Spice-Infused Cold-Pressed Oil*, The 5th International Electronic Conference on Foods session Sustainable Food Security and Food System, 2024.
- 16) Neculai-Văleanu Andra-Sabina, Ariton Adina-Mirela, Porosnicu Ioana, Sănduleanu Catalina, Amaritii Gabriela, Radu Ciprian, *Prevalence and identification of milk pathogens in clinical mastitis from northeast romanian dairy farms: an on-farm culturing approach*, 7th Multidisciplinary Conference on Sustainable Development, Secțiunea Animal Resources Bioengineering, 30-31 Mai 2024 ISSN 2821 – 4293, ISSN – L 2821 – 4293.
- 17) Neculai-Văleanu Andra-Sabina, Ariton Adina-Mirela, Porosnicu Ioana, Sănduleanu Catalina, Amaritii Gabriela, Radu Ciprian, *Digital transformation in small and medium dairy farms to improve productivity and resilience*, 7th Multidisciplinary Conference on Sustainable Development, Secțiunea Animal Resources Bioengineering, 30-31 Mai 2024, ISSN 2821 – 4293, ISSN – L 2821 – 4293.
- 18) Neculai-Văleanu Andra-Sabina, Ariton Adina-Mirela, Porosnicu Ioana, Sănduleanu Cătălina, Amaritii Gabriela, *Bridging the gap: challenges of using multibrand sensors in medium and small-scale dairy farms*, Conferința Națională Științifică de Toamnă a AOSR 2024, IAȘI, Rolul inteligenței artificiale în dezvoltarea durabilă a României, 23–24 septembrie, 2024, Volume 18, issue 2, ISSN 2601 – 5102.

Brevete publicate

- 1) *Instalație pentru fabricarea brânzeturilor* Nr. 134283 - Aruște Constantin, Creangă Șteofil, Păsărin Benone, Țenu Ioan, Văcaru Opreș, Amarandei Mihai, Aruște Sergiu-Lucian, Chirilă Constantin, SCDCB Dancu Iași din 19 august 2024.