

I. LUCRĂRI PUBLICATE ÎN CALITATE DE AUTOR PRINCIPAL – 19:

COTATE/INDEXATE ISI

1. **Bianca Maria Mădescu**, Roxana Lazăr, P.C. Boișteanu, Șt. Creangă, A.C. Matei - **2019** - *Research on the evaluation of metabolic proteic parameters for the “Romanian Spotted” cattle breed in different physiological states*. Scientific Papers: Animal Science and Biotechnologies, Vol. 52 (1), ISI Proceedings. (Premiul al II-lea)

2. **Bianca Maria Mădescu**, Roxana Lazăr, Marius Mihai Ciobanu, Paul Corneliu Boișteanu, **2021** - *Morpho-Productive Characteristics Of Aubrac Cattle Breed: A Sistematic Review*. Scientific Papers. Series D. Animal Science. Vol. LXIV, No. 2, p. 260-265.

3. **Bianca-Maria Mădescu**, Roxana Lazăr, Mădălina-Alexandra Davidescu, Andrei-Cristian Matei, Paul-Corneliu Boișteanu, **2022** - *Research On Morpho-Productive Indicators Observed Of Aubrac And Aberdeen Angus Cattle Breeds*. Scientific Papers. Series D. Animal Science. Vol. LXV, No. 2, 2022, pp. 279-283.

4. **Bianca-Maria Mădescu**, Roxana Lazar, Ioana Bolohan, Marius Mihai Ciobanu, Paul Corneliu Boișteanu, **2023** - *Body conformation analysis through biometric traits of aubrac cattle breed*. Scientific Papers. Series D. Animal Science. Book Of Abstracts Section 3: Animal Science, pp.10, ISSN 2457-3221, ISSN-L 2457-3221. (acceptată spre publicare).

5. **Bianca-Maria Mădescu**, Roxana Lazar, Andrei Cristian Matei, Paul Corneliu Boișteanu, **2023** - *Research on the economic advantages of breeding Aubrac beef cattle: a review*. Scientific Papers. Series D. Animal Science. Book Of Abstracts Section 3: ANIMAL SCIENCE, pp.108, ISSN 2457-3221, ISSN-L 2457-3221. (acceptată spre publicare).

6. **Bianca Maria Mădescu**, Roxana Lazar, Paul Corneliu Boișteanu, **2023** - *Aubrac cattle, a new trend for beef cattle breeders*. European Biotechnology Congress, pp. 47, doi: 10.2478/ebtj-2023-0004. (Indexată Scopus)

BDI - Baze de date internaționale

7. **Mădescu Bianca Maria**, Lazăr Roxana, Creangă Șt., Davidescu Mădălina Alexandra, Matei A.C., Boișteanu P.C., **2019** - *Research on the evaluation of metabolic lipidic parameters for the “Romanian Spotted” cattle breed in different physiological states*. Annals of the University of Craiova, vol. XXIV (LX), p. 388-394.

8. Bianca-Maria Mădescu, A.C. Matei, Elena Ruginosu, Mădălina-Alexandra Davidescu, V. Vintilă, M. Amarandei, Șt. Creangă, 2019 - *Nutrigenomics, a new direction for dairy cows: A review*. Scientific Papers-Animal Science Series: Lucrări Științifice - Seria Zootehnie, Vol. 72, p. 67-76.

9. Bianca M. Mădescu, Roxana Lazăr, Șteofil Creangă, Andrei C. Matei, Mădălina Alexandra Davidescu, Paul C. Boișteanu, 2020 - *Research on the digestibility of the total mixed ration in the case of two breeds of cattle*. The 19th International Conference "Life Sciences for Sustainable Development", Book of abstract, p. 265.

10. Bianca Maria Mădescu, Andra Sabina Văleanu, Mădălina Alexandra Davidescu, Ioana Poroșnicu, Andrei Cristian Matei, Șteofil Creangă, 2020 - *Research on the assessment and quality control of maize silage, produced and used in the Research-Development Station for Cattle Breeding Dancu, Iași*. Scientific Papers Animal Science and Biotechnologies, Vol 53 (2), p. 207-211.

11. Mădescu Bianca Maria, Lazăr Roxana, Davidescu Mădălina Alexandra, Poroșnicu Ioana, Andra-Sabina Neculai-Văleanu, Matei Andrei-Cristian, Boișteanu Paul Corneliu, 2020 - *Research on the peculiarities of digestion in ruminants*. Annals of the University of Craiova, Vol. XXV (LXI), p. 409-414.

12. Bianca-Maria Mădescu, Roxana Lazăr, Andrei-Cristian Matei, Paul-Corneliu Boișteanu, 2020 - *Implications Of The Covid-19 Pandemic Against The Agri-Food Sector In The Age Of Globalization, Sustainable Economic And Social Development Of Euroregions And Cross - Border Areas*. Performantica Iasi, Volume XXXVIII, pp. 177-185.

13. Bianca-Maria Mădescu, Roxana Lazăr, Mădălina-Alexandra Davidescu, Ioana Poroșnicu, Paul Corneliu Boișteanu, 2021 - *Research on hematological parameters in Aubrac cattle breed exploited on the conditions of Romania*. Scientific Papers: Animal Science & Biotechnologie, Vol. 54 Issue 2, pp. 142-146.

14. Bianca-Maria Mădescu, Roxana Lazăr, Marius Mihai Ciobanu, Paul-Corneliu Boișteanu, 2021 - *Research On The Characterization Of Beef Proteins*. Scientific Papers-Animal Science Series: Lucrări Științifice - Seria Zootehnie, vol. 74, pp.97-102. (Premiul I).

15. Bianca Maria Mădescu, R. Lazăr, P.C. Boișteanu, 2022 - *Research on production indicators observed of Aubrac cattle breed exploited in Romania*. Animal & Food Sciences Journal Iasi, Vol. 77, pp.51-55.

16. Bianca Maria Mădescu, Roxana Lazăr, Andra Sabina Neculai-Văleanu, Ioana Poroșnicu, Paul Corneliu Boișteanu, 2022 - *Research On The Differences In The Average Daily Gain Recorded In Aubrac Bulls*. Scientific Papers Animal Science And Biotechnologies, Vol 55, No 1., pp. 224-227;

17. Bianca Maria Mădescu, Roxana Lazăr, Andra Sabina Neculai-Văleanu, Ioana Poroșnicu, Paul Corneliu Boișteanu, 2022 - *Body Measurements on the Aubrac Cattle Breed: a review*. Scientific Papers Animal Science And Biotechnologies, Vol. 55, No 2, pp. 120-127.

18. Bianca Maria Madescu, Roxana Lazar, Ioana Bolohan, Diana Remina Manoliu, Bianca Georgiana Anchidin, Marius Mihai Ciobanu, Paul Corneliu Boișteanu, 2023 - Assesement of color analysis of longissimus dorsi muscle in aubrac beef: surface and cross-section. Book Of Abstract - Multidisciplinary Conference on Sustainable Development, 25–26 May 2023, Section - Animal Resources Bioengineering. ISSN 2821 – 4293, ISSN – L 2821 – 4293. (*acceptată spre publicare*).

19. Bianca Maria Madescu, Roxana Lazar, Ioana Bolohan, Diana Remina Manoliu, Bianca Georgiana Anchidin, Marius Mihai Ciobanu, Paul Corneliu Boișteanu, 2023 - Assessment of the nutritional value of beef obtained from aubrac raised in a semi-intensive system. Book Of Abstract - Multidisciplinary Conference on Sustainable Development, 25–26 May 2023, Section - Animal Resources Bioengineering. ISSN 2821 – 4293, ISSN – L 2821 – 4293. (*acceptată spre publicare*).

II. LUCRĂRI PUBLICATE ÎN CALITATE DE COAUTOR - 39:

COTATE ISI

1. Andra Sabina Neculai-Valeanu, Adina Mirela Ariton, Bianca Maria MĂDESCU, Cristina Mihaela RIMBU, Steofil CREANGA, 2021 – Nanomaterials and essential oils as candidates fgor developing novel treatment options for bovine mastits. Animals an Open Access Journal by MPDI, 11(6), 1625; (ISNN 2076-2615). **IF=2,75**, (Lista Q1 - **Lucrare premiată UEFISCDI**).

INDEXATE ISI

2. 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.

3. Ioana Poroșnicu, Roxana Rațu, Mădălina Davidescu, Bianca Mădescu, Andrei Matei, Șteofil Creangă, Marius Usturoi, 2020 - Researches on the quality assesment of Mozzarella cheese for the safety of use. Scientific Papers. Series D. Animal Science, Vol. LXIII, Nr. 2, p. 370-376.

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.

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.

6. Mădălina Alexandra Davidescu, **Bianca Mădescu**, Mitică Ciorpac, Lucian Dascălu, Teodor Bugeac, Andrei Matei, Ioana Poroșnicu, Șteofil Creangă, **2020** - *Genetic diversity of Pinzgau cattle breed: A systematic review*. Scientific Papers. Series D. Animal Science, Vol. LXIII, Nr. 2, p. 78-84.

7. Andrei-Cristian MATEI, **Bianca-Maria Mădescu**, Mihaela ONOFREI, **2022** - *Financial Management Of European Funds For Romanian Agriculture*. Scientific Papers. Series D. Animal Science. Scientific Papers Series Management, Economic Engineering in Agriculture and Rural Development Vol. 22, Issue 2.

8. Madalina Alexandra Davidescu, Claudia Panzaru, Daniel Simeanu, Andrei Ciobanu, **Bianca Maria Madescu**, 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", Book of abstracts, Section 3 Animal Science, 2023, ISSN 2457-3221, ISSN-L 2457-3221.

ISI PROCEEDINGS

9. Andra Sabina Neculai-Văleanu, Arition Adina-Mirela, A.C. Matei, **Bianca-Maria Mădescu**, Mădălina Alexandra Davidescu, Poroșnicu Ioana, Șt. Creangă, *Green synthesis of silver nanoparticles using Curcuma Longa plant extract and their possible applications*, **2019** - Proceedings of the International Scientific Congress "Life sciences, a challenge for the future", Filodiritto Editore – Proceedings, pp. 288-293.

BDI - Baze de date internaționale

10. 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.

11. Matei Andrei Cristian, **Bianca-Maria Mădescu**, Andra Sabina Neculai-Văleanu, Elena Ruginosu, M. Amarandei, V. Vintilă, Șt. Creangă, **2019** - *Productivity and quality of maize hybrids for silage*. "Lucrări științifice. Seria Zootehnie", Iași vol. 71.

12. Mădălina Alexandra DAVIDESCU, **Bianca Maria Mădescu**, Andrei Cristian MATEI, Șteofil Creangă, **2020** - *Study On the phylogenetic analysis of endangered romanian cattle Breeds: Grey Steppe and Pinzgau*. The 19th International Conference "Life Sciences for Sustainable Development", Book of Abstract, pp. 262. ISSN 2392-6937.

13. 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.

14. Mădălina Alexandra DAVIDESCU, Pascal C-tin, Ciorpac M., **Mădescu M. Bianca**, Neculai-Văleanu A. Sabina, Poroșnicu Ioana, Matei A.C., Creangă Șt., **2020** - *Analysis methods used in genomics research on cattle breeds*. Scientific Papers-Animal Science Series: Lucrări Științifice - Seria Zootehnie, vol. 75, p. 123-127.

15. Ioana Poroșnicu, Nicolae Bădilaș, **Bianca Maria Mădescu**, Mădălina Alexandra Davidescu, Andrei Cristian Matei, Andra Sabina Neculai-Văleanu, Șteofil Creangă, **2020** - *Research on the degree of fungal contamination of corn silage and corn grains*. Scientific Papers Animal Science and Biotechnologies, Vol 53 (2), p. 212-216.

16. Poroșnicu Ioana, Bădilaș Nicolae, **Mădescu Bianca**, Davidescu Mădălina Alexandra, Matei Andrei-Cristian, Neculai-Văleanu Andra-Sabina, Creangă Șteofil, **2020** - *Contamination with fungi and mycotoxins of some vegetal substrates used in animal feed*. Annals of the University of Craiova, Vol. XXV (LXI), p. 505-509.

17. Poroșnicu Ioana, Bădilaș Nicolae, **Mădescu Bianca**, Davidescu Mădălina, Matei Andrei-Cristian, Neculai-Văleanu, Andra-Sabina, Creangă Șteofil, **2020** - *Contamination with fungi and mycotoxins of some vegetal substrates used in animal feed*, Annals of the University of Craiova – Biology, Horticulture, Food Processing Technology, Environmental Engineering series, Vol. 25, p505-509. 5p.

18. Sabina A. Neculai-Văleanu, M. Ciorpac, Mădălina Alexandra Davidescu, **Bianca M. Mădescu**, Ioana Poroșnicu, A.C. Matei, Șt. Creangă, **2020** - *Heat shock proteins expression in association with thermal stress in cattle breeds*. Scientific Papers-Animal Science Series: Lucrări Științifice - Seria Zootehnie, Vol. 74, p. 8-9.

19. Ph.D. Dr. Neculai-Văleanu A.S., Ph.D Chem. Arton A.M., PhD student **Mădescu B.**, Ph.D Eng. Vaida Ghe., Prof. Ph.D. Eng. Creanga Șteofil, **2020** - *Harnessing Agri-Waste For Green Synthesis Of Silver/Valorificarea Deseurilor Agricole Pentru Sinteza Verde A Nanoparticulelor De Argint*. ISB-INMA-TECH, pp. 172-175.

20. Neculai-Văleanu S.A., Ciorpac M., Davidescu M.A., **Mădescu B.M.**, Poroșnicu I., Matei A.C., Creangă Șt., **2020** - *Heat shock proteins expression in association with thermal stress in cattle breeds*. Scientific Paper, Animal Science Series: Lucrări Științifice–Seria Zootehnie, vol. 74 (25), pp. 7-9.

21. Madalina Alexandra Davidescu, Mitică Ciorpac, **Bianca Maria Mădescu**, Ioana Poroșnicu, Șteofil 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.

22. 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, p. 123-127. ISSN 2067-2330.

23. Ioana Poroşnicu, Nicolae I. Bădilaş, Mădălina A. Davidescu, **Bianca M. Mădescu**, Ioan Coman, **2021** - *Contamination of Plant Substrates Evaluated by Mycological and Mycotoxicological Investigations*, Scientific Papers: Animal Science and Biotechnologies, 54 (1), pp. 146-152.

24. Andra Sabina Neculai-Văleanu, Adina Mirela Ariton, **Bianca Maria Mădescu**, Gheorghe Vaida, Steofil Creanga, **2021** - *Harnessing agri-waste for green synthesis of silver*. Annals Of Faculty Engineering Hunedoara – International Journal of Engineering Tome Xix, Fascicule 2 May. ISSN 2601 – 2332.

25. Neculai-Văleanu Andra-Sabina, Distele Nadège Simo, Ariton Adina-Mirela, **Mădescu Bianca-Maria**, Pierre Kamtchouing, Henri Bayemi, **2021** - *Investigations regarding the antioxidant activity of green synthesized silver nanoparticles using different eco-friendly reducing agents*. Horticulture And Environment Engineering “Horticulture - Science, Quality, Diversity and Harmony”21 -22 October 2021 Iasi, Romania.

26. Ioana Poroşnicu, Andra Sabina Neculai-Valeanu, Adina Mirela Ariton, Nicolae Iulian Badilas, **Bianca Maria Madescu**, Ioana Crivei, **2022** - *Mycological And Mycotoxinic Investigations Of Plant Substrates In The Moldavian Plateau Area*. Scientific Papers Animal Science And Biotechnologies Vol 55, No 1, pp. 153-159.

27. Ioana Poroşnicu, Andra Sabina Neculai-Valeanu, Adina Mirela Ariton, Nicolae Iulian Badilas, **Bianca Maria Madescu**, Madalina Alexandra Davidescu, **2022** - *Importance of Aspergillus, Penicillium, Fusarium Genera and Contamination Control Strategies*. Scientific Papers Animal Science And Biotechnologies Vol 55, No 1, pp. 160-170.

28. Ioana Poroşnicu, Luminiţa-Iuliana Ailincăi, Andra-Sabina Neculai-Văleanu, **Bianca-Maria Mădescu**, Mirela-Adina Ariton, Ioana Crivei, Mihai Mareş, **2022** - *Study on the fungal contamination of silage fodder and feed additives*. Scientific Papers Journal – vol. 65 no.1, Veterinary Series, pp. 44-49.

29. Andra Neculai-Văleanu, Adina Mirela, **Bianca Maria Mădescu**, Ioana Poroşnicu, **2022** - *Effect of various environmentally friendly reducing agents on the antioxidant activity of green synthesized silver nanoparticles*. Life Science and Sustainable Development-Journal. Vol.3, no.2, pp. 49-53.

30. Andra-Sabina Neculai-Valeanu, Adina-Mirela Ariton, **Bianca-Maria Mădescu**, Ioana Porosnicu, Ioana-Cristina Crivei, Ciprian Radu, **2022** - *On-farm milk culturing for bovine mastitis management*. Scientific Papers Journal – vol. 65 no 4., Veterinary Series.

31. Andra-Sabina Neculai-Valeanu, Adina-Mirela Ariton, **Bianca-Maria Mădescu**, Ioana Porosnicu, Ioana-Cristina Crivei, Ciprian Radu, **2022** - *Monitoring, prevention and treatment as key pillars in the management of bovine mastitis*. Scientific Papers Journal – vol. 65 no 4, Veterinary Series.

32. Andra-Sabina Neculai-Văleanu, Adina-Mirela, **Bianca-Maria Mădescu**, Porosnicu Ioana, **2022** - *Effect of various environmentally friendly reducing*

agents on the antioxidant activity of green synthesized silver nanoparticles, Life Science and Sustainable Development-Journal- LSSD - ISSN 2734 – 5068, Vol. 3, no. 2.

33. Adina-Mirela Ariton, Andra-Sabina Neculai-Valeanu, Cătălina Sanduleanu, Ioana-Cristina Crivei, Alina-Narcisa Postolache, Ioana Poroșnicu, **Bianca-Maria Mădescu**, Elena Ungureanu, Lucia Carmen Trinca, **2022** - *Applications of clinoptilolite in veterinary medicine and animal husbandry*. Scientific Papers Journal – vol. 65 no 4, Veterinary Series.

34. Adina-Mirela Ariton, Andra-Sabina Neculai-Valeanu, Catalina Sanduleanu, Alina - Narcisa Postolache, Ioana Poroșnicu, **Bianca-Maria Mădescu**, Ioana-Cristina Crivei, Elena Ungureanu, Lucia Carmen Trinca, **2022** - *Non-destructive methods for milk quality assessment*. Scientific Papers Journal – vol. 65 no 4, Veterinary Series.

35. Neculai-Valeanu Andra-Sabina, Adina-Mirela Ariton, Ioana-Cristina Crivei, Alina-Catalina Sanduleanu, Ioana Porosnicu, **Bianca Mădescu**, Radu Ciprian, **2022** - *Depistarea precoce a mastitei bovine folosind termografia în infraroșu pentru îmbunătățirea calității laptelui de vacă și asigurarea sustenabilității fermelor din România*, 2022 (ICAR Bucuresti).

36. Neculai-Văleanu Andra-Sabina, Ariton Adina-Mirela, **Mădescu Bianca-Maria**, Porosnicu Ioana, Radu Ciprian, **2022** - *Teat condition scoring as a management tool for monitoring udder health*. Scientific Papers: Animal Science and Biotechnologies, 2023, 56(1), pp.171-174.

37. Andra-Sabina Neculai-Valeanu, **Bianca Mădescu**, Adina-Mirela Ariton, Ioana Porosnicu, Catalina Sanduleanu, Ciprian Radu, **2023** - *Novel nutritional approaches for reducing oxidative stress triggered by heat stress in dairy cattle*. Book Of Abstract - Multidisciplinary Conference on Sustainable Development, 25–26 May 2023, Section - Animal Resources Bioengineering. ISSN 2821 – 4293, ISSN – L 2821 – 4293. (*acceptată spre publicare*).

38. Andra-Sabina Neculai-Valeanu, Adina-Mirela Ariton, **Bianca-Maria Mădescu**, Radu Ciprian, **2023** - *Smartphone-connected thermal camera as tool for evaluating locomotion disorders in cattle*. Book Of Abstract - Multidisciplinary Conference on Sustainable Development, 25–26 May 2023, Section - Animal Resources Bioengineering. ISSN 2821 – 4293, ISSN – L 2821 – 4293. (*acceptată spre publicare*).

39. Ciprian Radu, Andra-Sabina Neculai-Valeanu, Adina-Mirela Ariton, **Bianca-Maria Mădescu**, **2023** - *Relationship between locomotion score and udder health in romanian spotted dairy cattle - preliminary study*. Book Of Abstract - Multidisciplinary Conference on Sustainable Development, 25–26 May 2023, Section - Animal Resources Bioengineering. ISSN 2821 – 4293, ISSN – L 2821 – 4293. (*acceptată spre publicare*).

III. PREMII OBTINUTE

1. Neculai-Valaleanu Andra-Sabina, **Mădescu Bianca-Maria**, Ariton Adina-Mirela, Rimbu Cristina-Mihaela, **2021** – *Beet-Berry Vegan Kefir Plant-Based Kefir With Beetroot And Blueberry Powder*. EUROINVENT - The European Exhibition of Creativity and Innovation, 13th edition, Inventics Section., *Diploma of Gold Medal*
2. Neculai-Valeanu Andra-Sabina, **Mădescu Bianca-Maria**, Ariton Adina-Mirela, RIMBU Cristina-Mihaela, **2021** – *Revire Functionalized Kefir With Maca And Cocoa Powder*. EUROINVENT - The European Exhibition of Creativity and Innovation, 14th edition, Inventics Section., *Diploma of Silver Medal*
3. Neculai-Valeanu Andra-Sabina; Ariton Adina-Mirela; **Mădescu Bianca-Maria**; Porosnicu Ioana; Rimbu Cristina-Mihaela, **2022** - *PhytoMAST GEL, Phytotherapeutic formula for boosting udder health during heat stress periods*. **7th Annual iCAN International Invention Innovation Competition in Canada: Prize “Best Women Inventor Award**
4. Neculai-Valeanu Andra-Sabina, Ariton Adina-Mirela, **Mădescu Bianca-Maria**; Porosnicu Ioana; Rimbu Cristina-Mihaela, **2022** - *PhytoMAST GEL - Phytotherapeutic formula for boosting udder health during heat stress periods*. **7th Annual iCAN International Invention Innovation Competition in Canada: Special Award of Excellence**
5. Neculai-Valeanu Andra-Sabina; Ariton Adina-Mirela; **Mădescu Bianca-Maria**; Porosnicu Ioana; Rimbu Cristina-Mihaela, **2022** - *PhytoMAST GEL - Phytotherapeutic formula for boosting udder health during heat stress periods*. **7th Annual iCAN 2022 International Invention Innovation Competition in Canada: Diploma of Gold Medal**
6. Neculai-valeanu Andra-Sabina; Ariton Adina-Mirela; Rimbu Cristina-Mihaela; **Mădescu Bianca**; Porosnicu Ioana; Vaida Gheorghe, **2022** - *Formulation of a multifunctional nanocomposite hydrogel based on natural polysaccharides, biogenic copper nanoparticles and essential oils*. EUROINVENT - The European Exhibition of Creativity and Innovation, 14th edition, Inventics Section. *AgroFuture Prize*
7. Neculai-valeanu Andra-Sabina; Ariton Adina-Mirela; Rimbu Cristina-Mihaela; **Mădescu Bianca**; Porosnicu Ioana; Vaida Gheorghe, **2022** - *Formulation of a multifunctional nanocomposite hydrogel based on natural polysaccharides, biogenic copper nanoparticles and essential oils*. EUROINVENT - The European Exhibition of Creativity and Innovation, 14th edition, Inventics Section. *Diploma of Gold Medal*
8. **Mădescu Bianca-Maria**, Neculai-Valeanu Andra-Sabina, Ariton Adina-Mirela, Aursei Alina, **2023** – *Phytotherapeutic hydrogel-based supplement with a supportive role against non-specific digestive disorders in calves*. EUROINVENT - The European Exhibition of Creativity and Innovation, 15th edition, Inventics Section. *Diploma of Gold Medal*

9. Neculai-Valeanu Andra-Sabina, Ariton Adina-Mirela, **Bianca-Maria Mădescu**, Ciprian Radu, **2023** – *Polymer-based hydrogel with biogenic silver nanoparticles and essential oil with potential applications in bovine digital dermatitis*. EUROINVENT - The European Exhibition of Creativity and Innovation, 15th edition, Inventics Section. *Diploma of Gold Medal*

10. Neculai-Valeanu Andra-Sabina, Ariton Adina-Mirela, **Bianca-Maria Mădescu**, Ioana Poroșnicu, Cătălina Sănduleanu, **2023** – *Formulation of a multifunctional nanocomposite cleansing foam with potential application in wound management in livestock*. EUROINVENT - The European Exhibition of Creativity and Innovation, 15th edition, Inventics Section. *Diploma of Silver Medal*

11. Ariton Adina-Mirela, Poroșnicu Ioana, Neculai-Valeanu Andra-Sabina, **Mădescu Bianca-Maria, 2023** – *Functional Yogurt with MCT coconut oil an low carb content*. EUROINVENT - The European Exhibition of Creativity and Innovation, 15th edition, Inventics Section. *Diploma of Silver Medal*

12. Poroșnicu Ioana, Neculai-Valeanu Andra-Sabina, Ariton Adina-Mirela, **Mădescu Bianca-Maria, 2023** – *Yogurt enriched with pea protein*. EUROINVENT - The European Exhibition of Creativity and Innovation, 15th edition, Inventics Section. *Diploma of excellence*

IV. MEMBRĂ ÎN PROIECTE DE CERCETARE

1. **Program autofinanțat 2018-2022, Proiect nr.919/28.09.2018** – “Dezvoltarea metodologiei și tehnicilor de analiză a laptelui materie primă în vederea asigurării calității acestuia, corelată cu cerințele legislației europene”, *coordonator S.C.D.C.B. Dancu, Iași*.

2. **Proiect finanțat (contracte servicii de cercetare) 2020-2022, Contract nr.73/25.09.2020** – “Conceperea și dezvoltarea unui produs fitoterapeutic pentru tratamentul și prevenirea mamitelor la vacile de lapte”, *coordonator S.C.D.C.B. Dancu, Iași*.

3. **Proiect privind Învățământul Secundar 2020-2022, Proiect ROSE AG 316/18.06.2020** - ”Universitatea noastră poate fi și a ta! – UNSAT”, *coordonator USV Iași*..