

LUCRĂRI ȘTIINȚIFICE PUBLICATE ÎN ANUL 2025

Lucrări publicate în jurnale cotate ISI, cu Factori de Impact

- 1) Borș S.I., Vintilă V., Borș A., Floriștean V.C., Impact of Season and OvSynch plus GnRH on Day 5 After Artificial Insemination (AI) on the Heat Detection and Conception Rates of Cooled High-Yielding Holstein Cows, *Animals*, 2025, 15(6), 777;
- 2) Borș S.I., Ariton A.M., Borș A., Hîrbu A.I., Vintilă V., Economics of Using GnRH on Day 5 After Timed Artificial Insemination in a Modified Double-Ovsynch Protocol at a Low-Fertility Dairy Farm, *Veterinary Sciences*, 2025, 12(7), 648;
- 3) Cricleviț D., Ștefănescu Raluca, Pavel Geta, Aursei Alina, Anton Alina, Solcan G., Borș S.I., Left abomasal displacement in dairy cattle and associated metabolic disturbances. Diagnosis and treatment, *Revista Română de Medicină Veterinară*, 2025, 35(3): 21-26;
- 4) Neculai-Valeanu, A.-S., Sănduleanu, C., Poroșnicu I., From tradition to precision: leveraging digital tools to improve cattle health and welfare, *Frontiers in Veterinary Science*, 2025, 12, 1549512;
- 5) Neculai-Valeanu Andra-Sabina, Sanduleanu Catalina, Amaritii Gabriela, Bruma Ioan Sebastian, Precision livestock farming and its role for assuring a sustainable cattle management- a study case on connected cow, *Scientific Papers Series Management, Economic Engineering in Agriculture and Rural Development*, 2025, Vol. 25, Issue 1, p. 689-696.

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

- 1) Ariton A.-M., Borș S.I., Neculai-Văleanu A.S., Poroșnicu I., Vintilă V., Research on the use of thyme as a prophylactic alternative in gastrointestinal disorders in cattle, *Scientific Papers: Animal Science and Biotechnologies*, 58 (1) 337-340, 2025;
- 2) Ariton A.M., Neculai-Văleanu A.S., Borș S.I., Poroșnicu I., Vintilă V., Assessment of the quality of cow colostrum obtained in the first days after calving, *Scientific Papers: Animal Science and Biotechnologies*, 58 (1), p. 59-62, 2025;
- 3) Poroșnicu I., Ariton A.M., Neculai-Valeanu A.S., Borș S.I., Vintila V., Plants and phytochemicals as natural defenders against mycotoxin contamination in agriculture, *Scientific Papers: Animal Science and Biotechnologies*, 58 (1), p. 131-138, 2025;
- 4) Poroșnicu I., Ariton A.M., Neculai-Valeanu A.S., Borș S.I., Vintila V., Seasonal variations in aflatoxin b1 levels in corn and wheat: an observational study, *Scientific Papers: Animal Science and Biotechnologies*, 58 (1), p. 139-143, 2025;
- 5) Borș S.I., Ariton A.M., Poroșnicu I., Borș A., Hîrbu A.I., Vintilă V., Accessory corpus luteum in cattle reproduction - A mini-review, *Scientific Papers: Animal Science and Biotechnologies*, 58 (1), p. 37-42, 2025;
- 6) Borș S.I., Ariton Adina-Mirela, Poroșnicu Ioana, Vintilă V., Accessory corpus luteum in cattle assisted reproduction, *Acta Agrícola Romanica, Animal Sciences and Veterinary Medicine*, Volume 7, Year 7, No. 7.3, p. 6-12, 2025;
- 7) Neculai-Valeanu Andra-Sabina, Sanduleanu Catalina, Amaritii Gabriela, Precision livestock farming and reproductive biotechnologies – modern solutions for optimizing

- reproductive management and ensuring national food security, *Acta Agricola Romanica, Animal Sciences and Veterinary Medicine*, Volume 7, Year 7, No. 7.3, p. 91-97, 2025;
- 8) Sănduleanu Cătălina, Neculai-Văleanu Andra-Sabina, Poroșnicu Ioana, Amariții Gabriela, Modern management strategies to reduce labor dependency on dairy farms, *Acta Agricola Romanica, Animal Sciences and Veterinary Medicine*, Volume 7, Year 7, No. 7.3, p. 107-117, 2025;
 - 9) Ariton Adina-Mirela, Borș Silviu-Ionuț, Poroșnicu Ioana, Borș Alina, Vintilă Vasile, Biochemical characterization of bovine platelet-rich plasma: A Review, *Scientific Papers: Animal Science and Biotechnologies*, 58 (2), p. 45-49, 2025;
 - 10) Ariton Adina-Mirela, Borș Silviu-Ionuț, Poroșnicu Ioana, Vintilă Vasile, Ungureanu Elena, Effects of plant extracts obtained via ultrasound-assisted extraction on preventing neonatal diarrhoea in calves, *Scientific Papers: Animal Science and Biotechnologies*, 58 (2), p. 192-196, 2025;
 - 11) Poroșnicu Ioana, Ailincăi Luminita-Iuliana, Borș Silviu-Ionuț, Ariton Adina-Mirela, Davidescu Madalina-Alexandra, Mares Mihai, Climate change and the emerging risk of mycotoxin contamination: a food safety perspective, *Scientific Papers: Animal Science and Biotechnologies*, 58 (2), p. 59-66, 2025;
 - 12) Poroșnicu Ioana, Ailincăi Luminita-Iuliana, Borș Silviu-Ionuț, Ariton Adina-Mirela, Madescu Bianca-Maria, Mares Mihai, Prevention of mycotoxin contamination risk in the feed chain through GHP and HACCP, *Scientific Papers: Animal Science and Biotechnologies*, 58 (2), p. 67-74, 2025;
 - 13) Borș Silviu-Ionuț, Ariton Adina-Mirela, Poroșnicu Ioana, Borș Alina, Hârbu Amalia-Ioana, Vintilă Vasile, The effect of ovarian cyst aspiration on the dairy cow pregnancy rate, *Scientific Papers: Animal Science and Biotechnologies*, 58 (2), p. 30-33, 2025.

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- 1) Ariton Adina-Mirela, Borș Silviu-Ionuț, Poroșnicu Ioana, Vintilă Vasile, Ungureanu Elena, Advanced analytical techniques applied in cow milk metabolomics, Simpozionului Științific Internațional "Young people and multidisciplinary research in applied life sciences", secțiunea "Animal Science and Biotechnology", Timișoara, 13-14 Noiembrie, 2025;
- 2) Ariton Adina-Mirela, Borș Silviu-Ionuț, Poroșnicu Ioana, Vintilă Vasile, Elena Ungureanu, UV-Vis characterization of aqueous plant extract mixtures with potential gastrointestinal applications in calves, Simpozionului Științific Internațional "Young people and multidisciplinary research in applied life sciences", secțiunea "Animal Science and Biotechnology", Timișoara, 13-14 Noiembrie, 2025;
- 3) Poroșnicu Ioana, Borș Silviu-Ionuț, Ariton Adina-Mirela, Vintilă Vasile, Mares Mihai, Physico-chemical quality analysis of maize used as cattle feed, Simpozionului Științific Internațional "Young people and multidisciplinary research in applied life sciences", secțiunea "Animal Science and Biotechnology", Timișoara, 13-14 Noiembrie, 2025;
- 4) Poroșnicu Ioana, Borș Silviu-Ionuț, Ariton Adina-Mirela, Davidescu Madalina-Alexandra, Mares Mihai, Interaction between feed composition and rumen microbiota in cattle, Simpozionului Științific Internațional "Young people and multidisciplinary

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 - 6) Borș Silviu-Ionuț, Ariton Mirela, Porosnicu Ioana, Hârbu Amalia-Ioana, Anovulation and ovarian cysts conditions in dairy cattle, Simpozionului Științific Internațional ”Young people and multidisciplinary research in applied life sciences”, secțiunea ”Animal Science and Biotechnology”, Timișoara, 13-14 Noiembrie, 2025;
 - 7) Bugeac Teodor, Ariton Adina-Mirela, Borș Silviu-Ionuț, Vintilă Vasile, Molecular markers: tools for efficient dairy cattle management, Simpozionului Științific Internațional ”Young people and multidisciplinary research in applied life sciences”, secțiunea ”Animal Science and Biotechnology”, Timișoara, în perioada 13-14 Noiembrie, 2025;
 - 8) Porosnicu Ioana, Borș Silviu-Ionuț, Ariton Adina-Mirela, Davidescu Madalina-Alexandra, Madescu Bianca-Maria, Vintila Vasile, Ailincăi Luminita-Iuliana, Mares Mihai, Microplastics and nanoplastics in the food chain of farm animals: impacts on health and productivity, 12th Edition of the “Life sciences today for tomorrow” International Congress, Iași, 23-24 Octombrie, 2025;
 - 9) Hârbu Amalia-Ioana, Borș Silviu-Ionuț, Roșca Petru, Florin Nechifor, Ciornei Ștefan Gregore, Drugociu Dan Gheorghe, Control of ovarian function in the fertility management of dairy cattle, 12th edition of the “Life Sciences Today for Tomorrow” International Congress, Iași, 23-24 Octombrie, 2025;
 - 10) Borș Silviu-Ionuț, Strategies to increase luteal function in late metestrus and early diestrus in assisted reproduction of dairy cows: updates in accessory corpus luteum formation, 12th edition of the “Life sciences today for tomorrow” International Congress, Iași, 23-24 Octombrie, 2025;
 - 11) Hârbu Amalia-Ioana, Borș Silviu-Ionuț, Roșca Petru, Ciornei Ștefan Gregore, Florin Nechifor, Drugociu Dan Gheorghe, A successful treatment strategy based on ovarian cyst aspiration in a dairy cow- case report, 12th edition of the “Life Sciences Today For Tomorrow” International Congress, Iași, 23-24 Octombrie, 2025;
 - 12) Nicolescu Alina, Balan-Porcărașu Mihaela, Cristea Mihaela, Ariton Adina-Mirela, Borș Silviu-Ionuț, Deleanu Calin, Study of high protein biological matrices by NMR spectroscopy, International Congress Medicine, Molecular and Environmental Sciences 2025 “From chemistry to medicine – 35 years of Moldo-Romanian scientific collaboration”, Chisinău, 10-15 Noiembrie, 2025;
 - 13) Bolohan Ioana, Lazar Roxana, Madesc Bianca Maria, Davidescu Madalina Alexandra, Porosnicu Ioana, Boisteanu Paul-Corneliu, Culinary tourism in Romania: A synthesis of gastronomic heritage, cultural identity and sustainable development, 2nd International Beyşehir Gastronomy Culture and Tourism Congress, April 25-26, 2025 / Konya, Türkiye, ISBN: 979-8-89695-068-4, p. 416, Proceedings Book;
 - 14) Porosnicu Ioana, Davidescu Madalina, Madescu Bianca-Maria, Bolohan (Acornicesei) Ioana, Mycotoxins and food safety: a challenge for modern gastronomy, 2nd International Beyşehir Gastronomy Culture and Tourism Congress, April 25-26, 2025 / Konya, Türkiye, ISBN: 979-8-89695-068-4, p. 477, Proceedings Book;

- 15) Madescu Bianca-Maria, Davidescu Madalina Alexandra, Bolohan (Acornicesei) Ioana, Poroşnicu Ioana, Boisteanu Paul Corneliu, Innovations in the production and processing of animal-derived foods: integrating sustainability and technology in contemporary gastronomy, 2nd International Beyşehir Gastronomy Culture and Tourism Congress, April 25-26, 2025 / Konya, Türkiye, ISBN: 979-8-89695-068-4, p. 494, Proceedings Book;
- 16) Porosnicu Ioana, Davidescu Madalina, Madescu Bianca-Maria, Migration, climate change and sustainable agriculture: challenges and opportunities for economic development, International Congress on Sustainable Agriculture-II, March 04-05, 2025 / Iğdır University, Türkiye, ISBN: 979-8-89695-046-2, Proceedings Book, p. 17;
- 17) Madescu Bianca-Maria, Davidescu Madalina Alexandra, Bolohan (Acornicesei) Ioana, Poroşnicu Ioana, Boisteanu Paul Corneliu, Smart vertical and regenerative livestock farming: integrating iot, alternative feeds, and precision management for sustainable animal production, 14th Al Farabi International Scientific Research and Innovation Congress Beyşehir Ali Akkanat Vocational School, Selçuk University April 25-26, 2025 / Beyşehir, Konya, Türkiye ISBN: 979-8-89695-075-2, p. 361;
- 18) Porosnicu Ioana, Davidescu Madalina, Madescu Bianca-Maria, (Acornicesei) Bolohan Ioana, Innovation and scientific research in food safety: new strategies for mycotoxins control, 14th Al Farabi International Scientific Research and Innovation Congress Beyşehir Ali Akkanat Vocational School, Selçuk University April 25-26, 2025 / Beyşehir, Konya, Türkiye ISBN: 979-8-89695-075-2, p. 362;
- 19) Bolohan (Acornicesei) Ioana, Lazar Roxana, Madescu Bianca Maria, Davidescu Madalina Alexandra, Porosnicu Ioana, Boisteanu Paul-Corneliu, Intelligent monitoring of poultry health: autonomous technologies for early disease detection, 14th Al Farabi International Scientific Research and Innovation Congress Beyşehir Ali Akkanat Vocational School, Selçuk University April 25-26, 2025 / Beyşehir, Konya, Türkiye ISBN: 979-8-89695-075-2, p. 363;
- 20) Madescu Bianca-Maria, Davidescu Madalina Alexandra, Bolohan Ioana, Poroşnicu Ioana, Boisteanu Paul Corneliu, The impact of artificial intelligence on livestock farming: enhancing productivity and sustainability, 8 International Food, Agriculture and Veterinary Sciences Congress, May 29-31, 2025, Konya Food and Agriculture University, Konya. ISBN: 979-8-89695-086-8, p. 50.

Cărți

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Cereri de brevet

- 1) Borş Silviu-Ionuț, Vintilă Vasile, Aruște Constantin, Dispozitiv pentru prinderea și fixarea ovum pick-up-ului la vacă, Cerere brevet de invenție nr. a 2025 00338.