

## **Andrei C. Grădinaru**

*Associate Professor, PhD, DVM*

**Faculty of Veterinary Medicine of Iași**

*Department of Preclinics*

*8 Mihail Sadoveanu Alley, 700489, Iași*

*Office: TPPA Building, 1<sup>st</sup> Floor, B30 Room*

*Mobile: +40 726 104403*

Email: [a.c.gradinaru@uaiasi.ro](mailto:a.c.gradinaru@uaiasi.ro); [andre\\_gradinaru@yahoo.com](mailto:andre_gradinaru@yahoo.com)



**ORCID ID:** 0000-0002-4403-6035

**Researcher ID:** E-1668-2018

**Scopus Author ID:** 36496678900

**BrainMap:** U-1700-031A-2603

### **Taught Subjects:**

- Medical Genetics and Eredopathology

### **Areas of Interest:**

- Classical Genetics, Molecular Genetics, Biochemical Genetics, Eredopatology

### **Educational Background:**

2021	<b>Postgraduate program for continuous training and professional development "Entrepreneurship and Innovation"</b> , Specialization of "Accounting", Faculty of Accounting and Management Informatics, Academy of Economic Studies in Bucharest (90 hours)
2021	<b>Certificate of Performance for English Language</b> , Level B2 of Council of Europe, Faculty of Letters, "Alexandru Ioan Cuza" University
2018	<b>Training course - Genomic Selection</b> , "Gheorghe Ionescu Șişești" Academy of Agricultural and Forestry Sciences, Arad Institute for Cattle Research and Development, 4-7 June 2018
2014, 2018	<b>English training course</b> (60 hours), B1 level (2014), B2 (2018), EuroEd Foundation, International Center for Modern Languages
2014	<b>Training course - Project Manager</b> (242101 COR code)
01.03.2012-31.05.2012	<b>Research Internship in Animal Genetics</b> , Justus Liebig University, Giessen, Germany, ( <i>Electrophoresis techniques for different allelic variants identification</i> )
2010-2012	<b>Postdoctoral researcher in Animal Genetics</b> , the Postdoctoral Project: "Postdoctoral School in the field of Agriculture and Veterinary Medicine ID 89/1.5/S62371", UASVM Iași, The Faculty of Animal Husbandry
2009-2011	<b>Studies for Teaching Staff Training</b> , Levels I and II, UASVM Iași, Department of Teaching Staff Training
04.03.2010	The public presentation of <b>PhD thesis</b> entitled: " <i>The assessment of antibiotic and elementary xenobiotic residues in milk and milk products and their risk for consumers</i> "
2005-2009	<b>PhD Studies</b> , UASVM Iași, Faculty of Veterinary Medicine, <i>Semiology and medical pathology</i>
2006-2008	<b>MS Studies</b> , "Alexandru Ioan Cuza" University of Iași, Faculty of Economics and Business Administration, FIBAS Academic Postgraduate School, <i>Finance and European Public</i>

	<i>Administration</i>
2005-2007	<b>MS Studies</b> , UASVM Iași, Faculty of Veterinary Medicine, <i>Clinical and veterinary therapy</i>
1999-2005	<b>Bachelor Studies</b> , UASVM Iași, Faculty of Veterinary Medicine, <i>Veterinary Medicine</i>
1995-1999	<b>High School Studies</b> , "Alexandru Ioan Cuza" High School of Iași, <i>Chemistry - Biology</i>

### Member of Scientific and Professional Organizations:

- General Association of Romanian Veterinarians
- World Veterinary Association
- Federation of European Veterinarians
- Romanian Society of Medical Genetics
- European Society of Human Genetics
- Romanian Society of Cell Biology
- Romanian Society of Animal Husbandry
- Association for Environmental Protection and Quality of Life Promotion (*Pro-Med-Vita*)

### Grants and Research Contracts:

#### *Project manager:*

- **Grant TD286/2008-2009** *The assessment of antibiotic and elementary xenobiotic residues in milk and milk products and their risk for consumers*
- **Grant ADER 5.2.2/2015-2018** *Conservation and preservation of cattle in danger of extinction, Steppe Grey breed respectively, to ensure genetic resources biodiversity of animal populations*

#### *Project staff:*

- **Financed contract for the execution of a research project in partnership with an economic agent 18278/2022** *Epidemiological study, diagnosis, evaluation of malignant potential and establishment of the therapeutic protocol in neoplastic diseases in companion animals, **Project manager: Assoc. Prof. Geta PAVEL***
- **Financed contract for the execution of a research project in partnership with an economic agent 9809/2022** *Establishing the impact exerted by stressful agents on production parameters, welfare indices and meat quality in pigs, **Project manager: Lect. Dr. Răzvan Nicolae MALĂNCUȘ***
- **Financed contract for the execution of a research project in partnership with an economic agent 21727/2022** *Pharmacological evaluation of the therapeutic principles of the products from the VETRO SOLUTIONS SA portfolio, containing cannabidiol, rehydration salts and the product HEPACTIV capsules, in dogs and cats, **Project manager: Lect. Dr. Mariana GRECU***

### Publications: 77

#### **PhD Thesis (in Romanian):**

1. **A.C. Grădinaru, 2010** – *The assessment of antibiotic and elementary xenobiotic residues in milk and milk products and their risk for consumers", Faculty of Veterinary Medicine, UASVM Iași*

#### **Books published in Romanian Publishing Houses (in Romanian):**

2. **A.C. Grădinaru, Gh. Solcan, E. Guguianu, S.I. Beșchea Chiriac, 2016** – *Toxicology and Food Poisonings - Practical applications*, Ion Ionescu de la Brad Publishing House, Iași, ISBN 978-973-147-246-1

3. **A.C. Grădinaru, 2017** – *Cytological and molecular basics in veterinary medical genetics*, Bioflux Publishing House, Cluj-Napoca, ISBN 978-606-8887-06-7
4. **A.C. Grădinaru, S. Popa, 2017** – *Classical and molecular cytogenetics - concepts and practical approaches*, Bioflux Publishing House, Cluj-Napoca, ISBN 978-606-8887-16-6
5. I.V. Petrescu-Mag, **A.C. Grădinaru, 2018** – *Ecotoxicology - Practical applications*, Bioflux Publishing House, Cluj-Napoca, ISBN 978-606-8887-41-8
6. **A.C. Grădinaru, D.E. Ilie, 2018** – *Hybridological and molecular analysis in the identification of genes and genotypes in higher organisms*, Bioflux Publishing House, Cluj-Napoca, ISBN 978-606-8887-35-7
7. **A.C. Grădinaru, 2023** – *Medical Genetics and Eredopathology*, ISBN 978-606-9736-18-0, Bioflux Publishing House, Cluj-Napoca

#### Chapters of books published in International Publishing Houses:

8. **A.C. Grădinaru, 2017** – *Antibiotics - between usefulness and factors of environmental pressure due to their residues in milk*, In: A.Ozunu, I.A.Nistor, D.C.Petrescu, P.Burny, & R.M.Petrescu-Mag, eds., *Resilient Society*. Environment and Human Action Series, Gembloux, Belgium; Cluj-Napoca, România: Les Presses Agronomiques de Gembloux (ISBN 978-2-87016-148-7); Bioflux (ISBN 978-606-8887-08-1), pp. 69-79

#### Scientific papers:

##### *Full-text scientific papers in ISI journals with Impact Factor*

9. **A.C. Grădinaru, O. Popescu, Gh. Solcan, 2010** – *Heavy metal residues in milk from dairy farms of Moldavia, Romania*, Environmental Engineering and Management Journal, 9(7):915-920, ISSN 1582-9596, <https://doi.org/10.30638/eemj.2010.122>, WOS: 000282503800005, **ISI Impact Factor = 1.435 (2010)**
10. **A.C. Grădinaru, O. Popescu, Gh. Solcan, 2011** – *Variation analysis of heavy metal residues in milk and their incidence in milk products from Moldavia, Romania*, Environmental Engineering and Management Journal, 10(10):1445-1450, ISSN 1582-9596, <https://doi.org/10.30638/eemj.2011.204>, WOS: 000297703000004, **ISI Impact Factor = 1.004 (2011)**
11. **A.C. Grădinaru, D.E. Ilie, Șt. Creangă, 2013** – *Milk protein genetic variants in Romanian Spotted, Holstein Friesian and Montbéliarde cows and some correlations with milk parameters*, Research Journal of Biotechnology, 8(11):3-9, ISSN 2278-4535, WOS: 000325900100002, **ISI Impact Factor = 0.262 (2013)**
12. **A.C. Grădinaru, D.E. Ilie, Șt. Creangă, 2015** – *The effect of casein genotypes selection on the genetic structure of Romanian Spotted, Holstein Friesian and Montbéliarde cattle populations and the genetic variability of kappa-casein and beta-lactoglobulin in Romanian Grey Steppe*, Research Journal of Biotechnology, 10(5):91-98, ISSN 2278-4535, WOS: 000353582900012, **ISI Impact Factor = 0.242 (2015)**
13. D. Simeanu, I.M. Pop, **A.C. Grădinaru, C. Simeanu, 2015** – *Ecological vs. conventional broiler chickens system rearing in Romania*, Research Journal of Biotechnology, 10(12):6-13, ISSN 2278-4535, WOS: 000365769300002, **ISI Impact Factor = 0.242 (2015)**
14. **A.C. Grădinaru, I.V. Petrescu-Mag, F.C. Oroian, C. Balint, I. Oltean, 2018** – *Milk protein polymorphism characterization: a modern tool for sustainable conservation of endangered Romanian cattle breeds in the context of traditional breeding*, Sustainability, 10(2):534, WOS: 000425943100257, eISSN 2071-1050, <https://doi.org/10.3390/su10020534>, **ISI Impact Factor = 2.592 (2018)**
15. **A.C. Grădinaru, Gh. Solcan, M.C. Spataru, L.D. Hrițcu, L.C. Burtan, C. Spataru, 2019** – *The ecotoxicology of heavy metals from various anthropogenic sources and pathways for their bioremediation*, Revista de Chimie, 70(7): 2556-2560, ISSN 0034-7752, WOS: 000485843500052, **ISI Impact Factor = 1.755 (2019)**

16. M.C. Spataru, C. Spataru, C. Solcan, **A.C. Grădinaru**, R.E. Donosă, L.D. Hrițcu, **2019** – *Study of the health effects of red beet juice and asorubine food dyes used in feeding and watering of the animals for experience*, Revista de Chimie, 70(5): 1569-1573, ISSN 0034-7752, WOS: 000470086400011, **ISI Impact Factor = 1.755 (2019)**
17. C.M. Grădinaru, A.A. Șerbănoiu, D.T. Babor, G.C. Sârbu, I.V. Petrescu-Mag, **A.C. Grădinaru**, **2019** – *When agricultural waste transforms into an environmentally friendly material: The case of green concrete as alternative to natural resources depletion*, Journal of Agricultural and Environmental Ethics, 32(1):77-93, ISSN 1187-7863, eISSN 1573-322X, <https://doi.org/10.1007/s10806-019-09768-1>, WOS: 000467100400005, **ISI Impact Factor = 1.464 (2019)**
18. D.E. Ilie, A.E. Mizeranschi, C.V. Mihali, R.I. Neamț, M. Carabaș, **A.C. Grădinaru** (corresponding author), **2021** – *The effect of genetic variations of Pituitary Transcription Factor 1 (PIT1) on milk performance traits in Romanian cattle*, Revista Română de Medicină Veterinară, 31(1):87-92, eISSN2457-7618, ISSN1220-3173, WOS 000635732100014
19. **A.C. Grădinaru**, I.V. Petrescu-Mag, M.E. Henea, M. Grecu, M.C. Spataru, C. Spataru, S. Popa, **2021** – *A natural opioid drug released by A<sup>1</sup> beta-casein milk protein digestion was reported to be related to various pathologies*, Revista Română de Medicină Veterinară, 31(3):85-90, eISSN2457-7618, ISSN1220-3173, WOS000703199300015
20. M.C. Spătaru, L.D. Hrițcu, **A.C. Grădinaru**, C. Spătaru, **2022** – *The ageing brain impairment and the use of dogs in behavioral studies*, Revista Română de Medicină Veterinară, 32(1):70-74, eISSN2457-7618, ISSN1220-3173, WOS:000782272400012
21. L.L. Pruteanu, D.S. Bailey, **A.C. Grădinaru**, L. Jäntschi, **2023** – *The biochemistry and effectiveness of antioxidants in food, fruits, and marine algae*, Antioxidants, 12:860, eISSN 2076-3921, <https://doi.org/10.3390/antiox12040860>, WOS:000988283200001, **ISI Impact Factor = 7,675 (2022)**
22. **A.C. Grădinaru**, D.E. Ilie, **2023** – *The NOTCH receptor protein family and its signalling pathways in different molecular mechanisms of normal or pathological functioning*, Revista Română de Medicină Veterinară, 33(1):75-78, eISSN 2457-7618, ISSN 1220-3173, WOS:000974905000013
23. Spataru, **2023** – *The suitability of using the ferret as a model organism in biomedical research*, Revista Română de Medicină Veterinară, 33(1): 50-54, eISSN 2457-7618, ISSN 1220-3173, WOS:000974905000008
24. D.E. Ilie, A.E. Mizeranschi, C.V. Mihali, R.I. Neamț, L.T. Csiszter, M. Carabaș, **A.C. Grădinaru**, **2023** – *Polymorphism of the Prolactin (PRL) gene and its effect on milk production traits in Romanian cattle breeds*, Veterinary Sciences, 10:275, eISSN 2306-7381, WOS:000979420500001 <https://doi.org/10.3390/vetsci10040275>, **ISI Impact Factor = 2,518 (2022)**

*Scientific papers published as abstracts in ISI journals with Impact Factor  
(Meeting Abstracts)*

25. D.E. Ilie, Șt. Creangă, **A.C. Grădinaru**, S.I. Borș, D.L. Dascălu, D. Chirilă, A. Cean, **2014** – *Genetic diversity of Romanian Grey Steppe cattle based on milk protein polymorphism*, Journal of Biotechnology, 185S:S49, ISSN 0168-1656, eISSN 1873-4863, <https://doi.org/10.1016/j.jbiotec.2014.07.165>, WOS: 000350032000144, **ISI Impact Factor = 2.884 (2014)**
26. M.A. Davidescu, **A.C. Grădinaru**, M. Ciorpac, M. Henea, Șt. Creangă, **2021** – *Genetic markers in the study of threatened with extinction cattle breeds*, Biotechnology & Biotechnological Equipment, 35(sup1):S102, ISSN 1310-2818, eISSN 1314-3530, <https://doi.org/10.1080/13102818.2020.1871545>, **ISI Impact Factor = 1.186 (2020)**



*Full-text scientific papers published in volumes of International Conferences ISI indexed  
(ISI Proceedings Papers)*

27. C.M. Helepciuc, D. Babor, **A.C. Grădinaru** (corresponding author), **2018** – *Poly-ethylene terephthalate waste recycling for environment protection and sustainable building activities*, 17<sup>th</sup> International Technical-Scientific Conference on Modern Technologies for the 3<sup>rd</sup> Millennium, pp.285-290, 22<sup>nd</sup>-23<sup>rd</sup> March 2018, Oradea, România, ISBN 978-88-87729-49-8, WOS: 000491484600049, Current Publisher: Editografica SRL, INTL Proceedings DIV
28. **A.C. Grădinaru**, C.M. Helepciuc, V. Ciocan, I. Radinschi, **2018** – *Choosing a teaching career in higher education – a challenge of motivational and non-motivational factors*, 11<sup>th</sup> Annual International Conference of Education, Research and Innovation (ICERI), pp. 562-566, 12-14<sup>th</sup> November 2018, Seville, Spain, ISBN 978-84-09-05948-5, ISSN 2340-1095, <http://dx.doi.org/10.21125/iceri.2018.1116>, WOS: 000562759300081, Current Publisher: IATED-INT Assoc Technology Education & Development
29. M.A. Davidescu, **A.C. Grădinaru**, Șt. Creangă, **2019** – *Endangered Romanian cattle breeds-between traditional breeding and genetic conservation*, Proceedings of the International Scientific Congress „Life sciences, a challenge for the future”, Editor: Liviu Dan Miron, Filodiritto International Proceedings, Filo Diritto Editore, pp. 339-349, 17-18 October 2019, Iași, România, ISBN 978-88-85813-63-2

*Scientific papers published in volumes of various International Conferences  
(ISBN/ISSN included)*

30. **A.C. Grădinaru**, Șt. Creangă, H.R. Brandt, G. Erhardt, **2012** – *Genetic polymorphism of milk protein loci in Holstein Friesian and Montbéliarde Romanian cattle populations*, The 25<sup>th</sup> International Conference "Genetic Days", 18-20 September 2012, Wroclaw, Poland, ISBN 978-83-935303-0-4
31. C.M. Helepciuc, M. Bărbuță, V. Ciocan, A.A. Șerbănoiu, **A.C. Grădinaru**, **2017** – *Health and environmental effects of heavy metals resulted from fly ash and cement obtaining and trials to reduce their pollutant concentration by a process of combining-exclusion*, 17<sup>th</sup> International Multidisciplinary Scientific Geoconference SGEM, Conference Proceedings Volume 17: *Ecology, Economics, Education and Legislation*, Issue 52: Ecology and Environmental Protection, pp.441-447, 29 June-05 July 2017, Albena, Bulgaria, ISBN 978-619-7408-09-6, ISSN 1314-2704
32. C.M. Helepciuc, M. Bărbuță, E. Antohie, D. Babor, A.A. Șerbănoiu, **A.C. Grădinaru**, **2018** – *Environmental ethics and sustainable development in building industry: a case study of agricultural waste using as an alternative to natural resources depleting*, 12<sup>th</sup> International Conference: *Environmental Legislation, Safety Engineering and Disaster Management (ELSEDIMA)*, Faculty of Environmental Science and Engineering, Babeș-Bolyai University, 17-19 May 2018, Cluj-Napoca, România, eISBN 978-606-8887-27-2
33. M.A. Davidescu, **A.C. Grădinaru**, Șt. Creangă, **2020** – *Genetic markers associations in endangered cattle breeds to resistance on environmental conditions*, 5<sup>th</sup> International Conference on Chemical Engineering (ICCE 2020), p.76, 28-30 October, Iasi, Romania
34. M.C. Spataru, A. Moldoveanu-Gășcu, **A.C. Grădinaru**, C. Spataru, C. Chrituță, **2021** – *The impact of animal experimentation on Romanian youth*, 14<sup>th</sup> International Conference of Education, Research and Innovation, ICERI 2021 Proceedings, pp.682-690, 8<sup>th</sup>-9<sup>th</sup> November 2021, Seville, Spain, ISBN 978-84-09-34549-6, ISSN 2340-1095, <http://dx.doi.org/10.21125/iceri.2021.0219>
35. **A.C. Grădinaru**, M.C. Spataru, G. Pavel, **2021** – *The importance of objective evaluations in stimulating fair competitiveness in higher veterinary education*, 14<sup>th</sup> International Conference of Education, Research and Innovation, ICERI 2021 Proceedings, pp.1661-1665, 8<sup>th</sup>-9<sup>th</sup> November 2021, Seville, Spain, ISBN 978-84-09-34549-6, ISSN 2340-1095, <http://dx.doi.org/10.21125/iceri.2021.0453>

36. G. Pavel, **A.C. Grădinaru, 2021** – *Online activities during pandemic COVID-19 and their fitness to the aim of veterinary medical education*, 14<sup>th</sup> International Conference of Education, Research and Innovation, ICERI 2021 Proceedings, pp.2560-2564, 8<sup>th</sup>-9<sup>th</sup> November 2021, Seville, Spain, ISBN 978-84-09-34549-6, ISSN 2340-1095, <http://dx.doi.org/10.21125/iceri.2021.0647>
37. **A.C. Grădinaru**, R. Vartic, G. Pavel, **2022** – *The advantage of selection of candidates in higher education through a competence-based knowledge system*, 16<sup>th</sup> International Technology, Education and Development Conference, INTED 2022 Proceedings, pp.3079-3082, 7<sup>th</sup>-8<sup>th</sup> March 2022, Seville, Spain, ISBN 978-84-09-37758-9, ISSN 2340-1079
38. M.C. Spataru, O.R. Rusu, **A.C. Grădinaru, 2022** – *Assessing the students' expectations – a keynote in higher education for evolution through adaptation*, 16<sup>th</sup> International Technology, Education and Development Conference, INTED 2022 Proceedings, pp.3099-3107, 7<sup>th</sup>-8<sup>th</sup> March 2022, Seville, Spain, ISBN 978-84-09-37758-9, ISSN 2340-1079

*Scientific papers published in abstract in various Conferences  
(ISBN/ISSN not included)*

39. **A.C. Grădinaru**, S. Popa, E.V. Gorduza, **2019** – *A<sup>1</sup> beta-casein and the resulted beta-casomorphin-7 effects on human health*, Meeting of the Romanian Society of Neurogastroenterology, 07-09 November, Iași, România, p.31
40. S. Popa, **A.C. Grădinaru**, E.E. Braha, L. Caba, M. Panzaru, L. Butnariu, E.V. Gorduza, **2019** – *Syndromic hyperbilirubinemas: classification and the current state of art*, Meeting of the Romanian Society of Neurogastroenterology, 07-09 November, Iași, România, p.33-34
41. M.A. Davidescu, **A.C. Grădinaru**, Șt. Creangă, **2019** – *Endangered Romanian cattle breeds – between traditional breeding and genetic conservation*, International Scientific Symposium: "Modern animal husbandry – Food safety and durable development", 17-18 October 2019, Iasi, Romania, p.34

*Full-text scientific papers published in IDB journals*

42. **A.C. Grădinaru**, R. Lazăr, O. Popescu, P.C. Boișteanu, L. Dohotariu, **2007** – *Evaluation of the open market milk quality by measurement of some physico - chemical parameters*, Lucr.Științ.Med.Vet., 50 (9):173-176, eISSN 2393-4603, ISSN 1454-7406
43. **A.C. Grădinaru**, M.S. Voloșeniuc, M. Sofronie, E. Ruginosu, L.Gh. Runceanu, O. Popescu, **2007** – *Observații comparative privind incidența mastitelor la vaci*, Rev.Rom.Med.Vet., 3:161-170, eISSN 2457-7618, ISSN 1220-3173
44. **A.C. Grădinaru**, S. Havriștiuc, O. Popescu, **2009** – *Evaluarea incidenței reziduurilor de antibiotice din lapte și a influenței lor asupra unor indici de calitate ai laptelui-materie primă ca parte a aplicării principiilor HACCP*, Lucr.Științ.Med.Vet., 52(11):947-949, eISSN 2393-4603, ISSN 1454-7406
45. **A.C. Grădinaru**, Gh. Solcan, A. Munteanu, O. Popescu, **2009** – *Evaluarea unor reziduuri de xenobiotice elementare (Pb,Cu,Cd,Zn) în laptele de colectură recoltat din zona Moldovei*, Lucr.Științ.Med.Vet., 52(11):950-952, eISSN 2393-4603, ISSN 1454-7406
46. A. Munteanu, **A.C. Grădinaru**, Gh. Solcan, **2009** – *Observații privind prezența reziduurilor de pesticide organoclorurate în lapte în zona Moldovei*, Lucr.Științ.Med.Vet., 52(11):1011-1013, eISSN 2393-4603, ISSN 1454-7406
47. **A.C. Grădinaru**, T. Bugeac, **2011** – *Epidemiological observations on the subclinical mastitis incidence and other diseases in correlation with some productive indicators of Holstein Friesian cows with first lactation finished*, Lucr.Științ.Med.Vet., 54(3):79-86, eISSN 2393-4603, ISSN 1454-7406
48. **A.C. Grădinaru**, O. Popescu, Gh. Solcan, **2011** – *Antibiotic residues in milk from Moldavia, Romania*, HVM Bioflux, 3(2):133-141, eISSN 2066-7663, ISSN 2066-7655
49. **A.C. Grădinaru**, O. Popescu, Șt. Creangă, **2012** – *Correlations between kappa-casein and beta-lactoglobulin genotypes and mastitis incidence in Holstein Friesian and Montbéliarde Romanian cattle populations*, Lucr.Științ.Med.Vet., 55(3-4):566-573, eISSN 2393-4603, ISSN 1454-7406

50. **A.C. Grădinaru**, O. Popescu, Șt. Creangă, **2012** – *The subclinical mastitis effect on milk quality from primiparous Holstein Friesian Romanian cattle populations*, Lucr.Științ.Med.Vet., 55(3-4):559-565, eISSN 2393-4603, ISSN 1454-7406
51. D.E. Ilie, A. Cean, O.I. Gavriluc, A.C. Cârstea, **A.C. Grădinaru**, **2013** – *High-Resolution Melting Assay as a tool for identification of CSN3 genotypes in cattle population*, Scientific Papers: Animal Science and Biotechnologies, Timișoara, 46(1):102-105, eISSN 2393-4603, ISSN 1454-7406
52. **A.C. Grădinaru**, D.E. Ilie, Șt. Creangă, **2014** – *Genetic diversity and phylogenetic relationships based on milk protein genetic variants in Romanian Spotted, Holstein Friesian and Montbéliarde cows*, Lucr.Științ.Seria Zootehnie, 61(19):35-38, eISSN 2067-2330, ISSN 1454-7368
53. **A.C. Grădinaru**, Șt. Creangă, Gh. Solcan, **2015** – *Milk - a review on its synthesis, composition, and quality assurance in dairy industry*, HVM Bioflux, 7(3):173-177, eISSN 2066-7663, ISSN 2066-7655
54. C. Simeanu, B. Păsărin, D. Simeanu, **A.C. Grădinaru**, **2015** – *Polyodon spathula - a review on its biodiversity, meat quality, and environmental impact in Romania*, AACL Bioflux, 8(6):952-959, eISSN 1844-9166, ISSN 1844-8143
55. **A.C. Grădinaru**, Șt. Creangă, S.I. Săplăcan, Gh. Solcan, **2015** – *Quality management for safety food and healthy consumers*, Lucr.Științ.Seria Zootehnie, 64(20):149-153, eISSN 2067-2330, ISSN 1454-7368
56. C. Simeanu, D. Simeanu, **A.C. Grădinaru**, **2015** – *The assessment of Polyodon spathula growing technology in their different ages of life*, Lucr.Științ.Seria Zootehnie, 64(20):124-129, eISSN 2067-2330, ISSN 1454-7368
57. **A.C. Grădinaru**, I.V. Petrescu-Mag, **2017** – *Various traits in rabbits were reported to inherit according to a linkage relation among loci. A review study focused on Albinism and Dominant White Spotting loci*, Rabbit Genetics, 7(1):7-11, ISSN 2248-3098
58. **A.C. Grădinaru**, **2017** – *The Transylvanian Giant Rabbit: an efficient selection for qualitative and quantitative genetic traits*, Rabbit Genetics, 7(1):1-6, ISSN 2248-3098
59. **A.C. Grădinaru**, **2017** – *Milk processing involves biochemical reactions and is influenced by genetic polymorphism in major proteins*, ABAH Bioflux, 9(1):13-21, eISSN 2067-6344, ISSN 2066-7612
60. **A.C. Grădinaru**, **2017** – *Is there possible a milk improvement in Romanian Buffalo using genetic markers?*, ABAH Bioflux, 9(1):9-12, eISSN 2067-6344, ISSN 2066-7612
61. **A.C. Grădinaru**, **2017** – *Cows' mastitis and its therapeutics: A survey study*, ABAH Bioflux, 9(2):77-82, eISSN 2067-6344, ISSN 2066-7612
62. M.A. Davidescu, Șt. Creangă, M.E. Henea, **A.C. Grădinaru** (corresponding author), **2020** – *Agriculture and milk production in Romania - retrospectives and trends in the European context*, AAB Bioflux, 12(2):58-66, ISSN 2066-7639
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## **Professional Recognition:**

### *Editor of:*

- **American Journal of Biomedical Science & Research**
- **European Journal of Chemistry, Environment and Engineering Sciences**
- **Human and Veterinary Medicine**, Bioflux, Cluj-Napoca
- **Advances in Environmental Sciences**, Bioflux, Cluj-Napoca

### *Reviewer of:*

- **Genes** – 5-year Impact Factor 4.339
- **Molecules** – 5-year Impact Factor 4.587
- **Biomolecules** – 5-year Impact Factor 5.362
- **International Journal of Molecular Sciences** – 5-year Impact Factor 6.132
- **Sustainability** – 5-year Impact Factor 3.473
- **Animals** – 5-year Impact Factor 2.942
- **Medicina** – 5-year Impact Factor 2.461
- **Toxin Reviews** - Taylor and Francis Journal, – 5-year Impact Factor 3.581
- **Pathogens** – 5-year Impact Factor 4.066
- **International Journal of Environmental Research and Public Health** – 5-year Impact Factor 3.789
- **Applied Sciences** – 5-year Impact Factor 2.736



- **Veterinary Sciences** – 5-year Impact Factor 1.688
- **Agronomy** – 5-year Impact Factor 3.64
- **Horticulturae** – 5-year Impact Factor 2.951
- **Agriculture** – 5-year Impact Factor 3.044
- **Brain Sciences** – 5-year Impact Factor 3.703
- **Marine Drugs** – 5-year Impact Factor 5.951
- **Forests** – 5-year Impact Factor 2.804
- **Human and Veterinary Medicine (BDI)**
- **Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj Napoca. Veterinary Medicine (BDI)**
- **Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj Napoca. Animal Science and Biotechnologies (BDI)**
- **Revista Brasileira de Zootecnia (BDI)**
- **International Journal of Livestock Production (BDI)**
- **AgriEngineering (BDI)**
- **Environmental issues in the context of sustainable development**, Ruxandra-Mălina Petrescu-Mag, Dacina Crina Petrescu, Philippe Burny, (Eds.), Cluj Napoca: Bioflux, 2011

*Member of the homologation team of the "Uriaşul de Transilvania" ("the Giant of Transylvania") rabbit breed Awards:*

- 1) **Diploma of Excellence and the Bronze Medal** for the conservation of the Romanian genofond by homologating the first Romanian breed of rabbits: "Uriaşul de Transilvania" ("the Giant of Transylvania"), The The International Show of Invention "Pro Invent", 11<sup>th</sup> Edition, **2013, Cluj Napoca**
- 2) **The award of the section "Aquaculture and fishing"**, to the group of authors represented by C. Simeanu, D. Simeanu, **A.C. Grădinaru** for the paper entitled "The assessment of Polyodon spathula growing technology in their different ages of life", International Scientific Symposium October 22-24, 2015, Faculty of Animal Husbandry, USAVM Iasi
- 3) **The award in the competition programme of "Awarding research results - articles, PRECISI 2018", to Grădinaru A.C., Petrescu-Mag I.V., Oroian F.C., Balint A.C., Oltean I., for the article entitled "Milk Protein Characterization: a Modern Tool for Sustainable Conservation of Endangered Romanian Cattle Breeds in the Context of Traditional Breeding"** (unique registration code: PN-III-P1-1.1.-PRECISI-2018-25386)
- 4) **The award of the section "Fundamental Sciences in Animal Husbandry"** to the group of authors represented by M.A. Davidescu, **A.C. Grădinaru**, Şt. Creangă for the work entitled "Endangered Romanian cattle breeds - between traditional breeding and genetic conservation", International Scientific Symposium October 17-18, 2019, Faculty of Animal Husbandry, UASVM Iasi
- 5) **The award in the competition programme "Awarding research results - articles, PRECISI 2019"**, awarded to the team Grădinaru C.M., Şerbănoiu A.A., Babor D.T., Sârbu G.C., Petrescu-Mag I.V., **Grădinaru A.C.**, for the article entitled "When agricultural waste transforms into an environmentally friendly material : the case of green concrete as an alternative to natural resources depletion" (unique registration code: PN-III-P1-1.1.-PRECISI-2019-33441)
- 6) **The "Gheorghe K. Constantinescu" award of the "Gheorghe Ionescu-Şişeşti" Academy of Agricultural and Forestry Sciences**, awarded to the team of authors **Andrei Cristian Grădinaru**, Daniela Elena Ilie, for the work "Hybridological and molecular analysis in the identification of genes and genotypes in higher organisms", Bucharest, December 11, **2019**

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*Assoc. Prof. Andrei C. Grădinaru*