



## CRISTINA ELENA HORHOGEA

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<https://scholar.google.com/citations?user=Fbj7G54AAAAJ&hl=ro> |

**Address:** Mihail Sadoveanu Alley, nr. 8, 700489, Iași, Romania (Work)

### ● ABOUT ME

Course convenor for Immunology (IIIrd year, Veterinary Medicine)  
Faculty of Veterinary Medicine, Ion Ionescu de la Brad Iasi University of Life Sciences  
Web of Science ResearcherID A-4699-2015

### ● WORK EXPERIENCE

09/2016 – CURRENT Iași, Romania

**LECTURER** IULS ION IONESCU DE LA BRAD, FACULTY OF VETERINARY MEDICINE

Teaching and research activities in Microbiology (IIInd year Veterinary medicine), Coordinator of Immunology lectures (IIIrd Veterinary medicine, Romanian and English groups)

09/2007 – 06/2016 Iași, Romania

**ASSISTANT PROFESSOR** USAMV ION IONESCU DE LA BRAD, FACULTY OF VETERINARY MEDICINE

Teaching and research activities in Microbiology, Molecular Biology, Genetics and heredopathology (IIInd year VM) Immunology, immunopathology, Virology (IIIrd year VM), Food microbiology (IIInd year CEPA and IMAPA)

01/2004 – 09/2007 Iași, Romania

**PHD STUDIES** USAMV ION IONESCU DE LA BRAD, FACULTY OF VETERINARY MEDICINE

Teaching and research activities in Microbiology (IIInd year VM) and Immunology, immunopathology (IIIrd year VM)

08/2002 – 03/2003 Iași, Romania

**LABORATORY VETERINARIAN AT SANITAR VETERINARY AND FOOD CONTROL LABORATORY, FOOD CONTROL SECTION** SANITAR VETERINARY DIRECTION AND FOOD SAFETY

Microbiological analyses for animal products

04/2003 – 12/2003 Iași, Romania

**STATE VETERINARIAN AT SC BILLA ROMANIA SRL** SANITAR VETERINARY DIRECTION AND FOOD SAFETY

Compliance veterinary supervision in the trade of animal products

## ● EDUCATION AND TRAINING

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2004 – 2007 Iași, Romania

**PHD IN VETERINARY MEDICINE, MICROBIOLOGY-IMMUNOLOGY SPECIALISATION** USAMV Ion Ionescu de la Brad, Faculty of Veterinary Medicine

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**Address** Aleea Mihail Sadoveanu, nr. 8, 700489, Iași, Romania

1996 – 2002 Iași, Romania

**DOCTOR OF VETERINARY MEDICINE (DVM)** USAMV Ion Ionescu de la Brad, Faculty of Veterinary Medicine

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**Address** Aleea Mihail Sadoveanu, nr. 8, 700489, Iași, Romania

1991 – 1995 Iași, Romania

**BACCALAUREATE DIPLOMA** Costache Negruzzi College, Math - Physics Section

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## ● LANGUAGE SKILLS

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Mother tongue(s): **ROMÂNĂ**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1
<b>FRENCH</b>	B2	B2	B1	B1	B1
<b>SPANISH</b>	B2	B2	B2	B2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● PUBLICATIONS

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### Publications

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- 18 papers published in ISI indexed journals
- 3 abstracts published in ISI indexed journals
- 70 papers published in International Data Base Indexed journals
- 11 papers presented at national and international conferences
- 272 citations, 200 in ISI journals
- Web of Science Hirsch index - 7

### ISI articles 2013-2017

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1. Le Poder, S., Pham-Hung d'Alexandry d'Orangiani, AL., Duarte, L., Fournier, A., **Horhoge**, C., Pinhas, C., Vabret, A., Eloit, M. *Infection of cats with atypical feline coronaviruses harbouring a truncated form of the canine type I non-structural ORF3 gene*. Infection, Genetics and Evolution. 2013; 20:488-94. ISSN: 1567-1348. doi: 10.1016/j.meegid.2013.09.024; WOS:000327701200061, **FI 3.264, Q2**
2. Cerempei, A., Guguianu, E., Muresan, El., **Horhoge**, C., Rîmbu, C., Borhan, O. *Antimicrobial controlled release systems for the knitted cotton fabrics based on natural substances*. Fibers and Polymers. 2015; 16(8): 1688-1695; print ISSN 1229-9197, online ISSN 1875-0052; doi 10.1007/s12221-015-4551-3; WOS: 000360569900010. **FI 1.022, Q2**
3. Pallag, A., Bungau, S., Tit, DM., Jurca, T., Sirbu, V., Honiges, A., **Horhoge**, C. *Comparative Study of Polyphenols, Flavonoids and Chlorophylls in Equisetum arvense L. Populations*. Revista de Chimie (Bucharest). 2016; 67(3): 530-533; ISSN 0034-7752; WOS:000375364800030. **FI 1.232, Q3**
4. **Horhoge**, C., Floriștean, V., Lazăr, M., Crețu, C., Solcan, C. *Immunohistochemical Methods to Diagnose Atraumatic Spleen Rupture in Feline Infectious Peritonitis Of Tiger (Panthera Tigris)*. Revista de Chimie (Bucharest). 2017; 68(5):1055-1057; ISSN 0034-7752; WOS:000405816300035. **IF 1.412, Q3**

### ISI articles 2019 - 2020

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5. Aelenei, P., Rîmbu, CM, Guguianu, E., Dimitriu, G., Aprotosoiaie, AC., Brebu, M., **Horhogeia, CE.**, Miron, A. *Coriander essential oil and linalool - interactions with antibiotics against Gram-positive and Gram-negative bacteria*. Letters in Applied Microbiology. 2019; 68(2):156-164; ISSN 0266-8254, eISSN: 1472-765X; doi: 10.1111/lam.13100; WOS:000455513800008. **FI 2.173, Q3**
6. Aelenei, P., Luca, SV., **Horhogeia, CE.**, Rîmbu, CM., Dimitriu, G., Macovei, I., Silion, M., Aprotosoiaie, AC., Miron, A. *Morus alba leaf extract: Metabolite profiling and interactions with antibiotics against Staphylococcus spp. including MRSA*. Journal Phytochemistry Letters. 2019; 31:217-224; ISSN 1874-3900, eISSN 1876-7486; WOS:000469429200036. **IF - 1.459, Q3**
7. Hrițcu, LD., **Horhogeia, C.**,\* Ciobică, A., Spătaru, MC., Spătaru, C., Kis, A. *Conceptual Replication of Canine Serum Oxytocin Increase Following a Positive Dog-human Interaction*, Revista de Chimie. 2019; 70(5): 1579-1581; ISSN: 0034-7752; WOS:000470086400013. **IF 1.755, Q3**
8. Gavril, R., Hrițcu, L., Pădurariu, M., Ciobică, A., **Horhogeia, C.**,\* Ștefănescu, G., Spătaru, MC., Straulea, C., Ștefănescu, C. *Preliminary study on the correlations between oxytocin levels and irritable bowel syndrome in patients with depression*. Revista de Chimie (Bucharest). 2019; 70(6):2204 -2206; ISSN: 0034-7752; WOS: 000475860100065. **IF 1.755, Q3**
9. Hrițcu, LD., Pădurariu, M., Ciobică, A., **Horhogeia, C.**,\* Spătaru, MC., Spătaru, C., Burtan, L., Ștefănescu, C. *Serum cortisol levels modifications in patients with depression and irritable bowel syndrome*. Revista de Chimie (Bucharest). 2019; 70(9):3383-3386; ISSN 0034-7752; WOS:000489958900061. **IF 1.755, Q3**
10. Aelenei, P., Horhogeia, CE., Rîmbu, CM, Guguianu, E., Dimitriu, G., Aprotosoiaie, AC., Miron, A. *Morusin and kuwanon G - promising anti-MRSA agents*. Medical-Surgical Journal / Revista Medico-Chirurgicală. 2019; 123(1):195-202; ISSN 0048-7848, eISSN 2286-2560. WOS:000463715000028
11. Aelenei, P., Rîmbu, CM., **Horhogeia, CE.**,\* Lobiuc, A., Neagu, AN., Dunca, SI., Motrescu, I., Dimitriu, G., Aprotosoiaie, AC., Miron, A. *Prenylated phenolics as promising candidates for combination antibacterial therapy: morusin and kuwanon G*, Saudi pharmaceutical journal. 2020; 28(10):1172-1181; ISSN 1319-0164, eISSN 2213-7475; doi:10.1016/j.jsps.2020.08.006; WOS:000581611000004. **FI 4.33, Q1**

## ISI articles 2021-2024

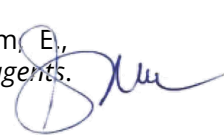
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12. Popescu, ER., Semeniuc, S., Hrițcu, LD., **Horhogeia, CE.**, Spătaru, MC., Trus, C., Dobrin, RP., Chirita, V., Chirita, R. *Cortisol and Oxytocin Could Predict Covert Aggression in Some Psychotic Patients*. Medicina-Lithuania. 2021; 57(8), 760; doi: 10.3390/medicina57080760; WOS:000689634600001. **FI 2.948, Q2**
13. Macovei, I., Luca, SV., Skalicka-Woźniak, K., Sacarescu, L., Pascariu, P., Ghilan, A., Doroftei, F., Ursu, EL., Rîmbu, CM., **Horhogeia, CE.**, Lungu, C., Vochita, C., Panainte, AD., Nechita, C., Corciova, MA., Miron, A. *Phyto-Functionalized Silver Nanoparticles Derived from Conifer Bark Extracts and Evaluation of Their Antimicrobial and Cytogenotoxic Effects*. Molecules. 2022; 27:217. <https://doi.org/10.3390/molecules27010217>; WOS: 000751433600001. **FI 4.412, Q2**
14. Lungoci, C., Rîmbu, CM., Motrescu, I., Serbezeanu, D., **Horhogeia, CE.**, Vlad-Bubulac, T., Ghițău, CS., Puiu, I., Neculai-Văleanu, AS., Robu, T. *Evaluation of the Antibacterial Properties of Polyvinyl Alcohol-Pullulan Scaffolds Loaded with Nepeta racemosa Lam. Essential Oil and Perspectives for Possible Applications*. Plants. 2023; 12(4), 898. <https://doi.org/10.3390/plants12040898>; WOS:000940953400001. **FI 4.827, Q1**
15. Sikra, AA., Popovici, I., Borș, SI., Rîmbu, CM., **Horhogeia, C.**, Pavel, G., Ciornei, SG., Roșca, P., Drugociu, DG. *Bacteriological and cytological findings in postpartum dairy cows with subclinical endometritis*. Revista Română de Medicină Veterinară. 2023. 33(1):17-25; WOS:000974905000003. **FI 0.11, Q4**
16. Macovei, I., Luca, SV., Skalicka-Woźniak, K., **Horhogeia, CE.**,\* Rîmbu, CM., Sacarescu, L., Vochita, G., Gherghel, D., Ivanescu, BL., Panainte, AD., Nechita, C., Corciova, A., Miron, A. *Silver Nanoparticles Synthesized from Abies alba and Pinus sylvestris Bark Extracts: Characterization, Antioxidant, Cytotoxic, and Antibacterial Effects*. Antioxidants. 2023; 12(4), 797. <https://doi.org/10.3390/antiox12040797>; WOS:000978932400001. **FI 7, Q1**
17. Rîmbu, CM., Serbezeanu, D., Vlad-Bubulac, T., Suflet, DM., Motrescu, I., Lungoci, C., Robu, T., Vrînceanu, N., Grecu, M., Cozma, AP., Fotea, L., Anița, DC., Popovici, I., **Horhogeia, CE.** *Antimicrobial Activity of Artemisia dracuncululus Oil-Loaded Agarose/Poly(Vinyl Alcohol) Hydrogel for Bio-Applications*. Gels. 2023; 10(1), 26. doi: 10.3390/gels10010026. WOS:001151905600001. **FI 4.6, Q1**
18. Suflet, DM., Constantin, M., Pelin, IM., Popescu, I., Rîmbu, CM., **Horhogeia, CE.**, Fundueanu, G. *Chitosan-Oxidized Pullulan Hydrogels Loaded with Essential Clove Oil: Synthesis, Characterization, Antioxidant and Antimicrobial Properties*. Gels. 2024;10, 227. <https://doi.org/10.3390/gels10040227>; WOS: 001216757800001. **FI 4.6, Q1**

## ISI Abstracts

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1. Le Poder, S., Annie Fournier, Duarte, L., **Horhogeia, C.**, Pinhas, C., Pham-Hung, AL., Vabret, A., Eloit, M. *Rôle de la protéine gp3 dans les transmissions interspécifiques des coronavirus chez les carnivores domestiques*. XIIIth French-Language Virology Conference, 28-29 April 2011, Institut Pasteur, Paris Abstracts. Virologie. 2011; 15(supl. 1): 51-52; ISSN: 1267-8694; WOS:000290361100001, **FI 0,161**
2. Miron, A., Aelenei, P., Trifan, A., Rîmbu, CM., **Horhogeia, CE.**, Luca, SV., Neagu, AN., Wolfram, E., Aprotosoiaie, AC. *Plant-derived products as antibiotic enhancers and antibiotic-resistance modifying agents*.



67th International Congress and Annual Meeting of the Society-for-Medicinal-Plant-and-Natural-Product-Research (GA), Innsbruck, AUSTRIA, September 01 -05, 2019; *Planta Medica*, 85(18):1422-1422, ISSN: 0032-0943, eISSN:1439-0221; doi:10.1055/s-0039-3399721; WOS:000503772900094, **FI 2.687, Q2**

3. Hrițcu, OM., Pașca, AS., **Horhoge, CE.**, Miha, I., Rizac, RI., Militaru, M. *Severe Systemic Amyloidosis in a Goat with Caprine Arthritis-Encephalitis*. Abstracts of the 2021 Joint Annual Conference of the European Society of Veterinary Pathology, European College of Veterinary Pathologists and the European Society of Toxicological Pathology Abstracts. *Journal of Comparative Pathology*. 2022; 191: 40, <https://doi.org/10.1016/j.jcpa.2021.11.088>; WOS:000778572700001; **FI 1.083, Q3**

## ● NETWORKS AND MEMBERSHIPS

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### Active member of scientific or professional societies (associations)

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- British Society of Immunology (since 2022)
- European Federation of Immunological Societies (since 2022)
- Romanian Society of Microbiology (since 2022)
- Romanian Society of Cell Biology (since 2019)
- Association pour l'Etude de l'Epidémiologie des Maladies Animales (AEEMA, since 2019)
- International Society for Infectious Diseases (since 2014)
- General Association of Veterinarians in Romania (since 2008)
- Association for Promoting Environmental Protection and Quality of Life PRO-MED VITA (since 2008)
- The Association of the Graduates of the Faculty of Veterinary Medicine from Iasi (since 2010)
- Romanian Society of Veterinary Medicine History (since 2015)

## ● ORGANISATIONAL SKILLS

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### Organisational skills

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Abilities to coordinate a research group and teamwork.

## ● JOB-RELATED SKILLS

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### Job-related skills

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- Immunological, microbiological, virological diagnosis
- Applying principal molecular biology techniques used in diagnosis and research

## ● ADDITIONAL INFORMATIONS

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### Postgraduate training

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- 2021: Postgraduate program of continuous professional development Entrepreneurship and innovation, Bucharest Academy of Economic Studies, Faculty of Accounting and Management Informatics, Certificate of attestation of professional competencies series CA, no. 0049800
- 2017: Attending the workshop Diamed - world leader in providing tests for immunohematological diagnosis in laboratories and blood banks.
- 2011: Les technologies de l'information et de la communication pour l'enseignement du français de spécialité, organized by Agence Universitaire de la Francophonie in association with USAMV Iasi
- 2010: Training program for staff involved in the development of medical veterinary university studies aimed at improving the skills in the development of curricula, USAMV București
- 2009: Immunology and molecular biology techniques: PCR, RT-PCR, ELISA, immunofluorescence, etc, University of Liverpool (United Kingdom)
- 2009: Virology and acute viral infectious pathology in domestic carnivores, L'école Nationale Vétérinaire d'Alfort, Paris (France)
- 2005: Immunology and molecular biology techniques: PCR, RT-PCR, Western-Blot, ELISA, micro CFR, immunofluorescence, molecular cloning, etc, L'école Nationale Vétérinaire d'Alfort, Virology lab UMR 1161, Paris (France)

## AWARDS

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1. **Awarded article** - UEFISCDI: PN-II-RU-PRECISI-2015-9-9035, Cerempei, A., Guguianu, E., Muresan, EI., **Horhoge, C.**, Rîmbu, C., Borhan, O. *Antimicrobial controlled release systems for the knitted cotton fabrics based on natural substances*. *Fibers and Polymers*. 2015; 16(8):1688-1695; print ISSN



1229-9197, online ISSN 1875-0052; doi 10.1007/s12221-015-4551-3; WOS:000360569900010. FI 1.022, Q2

2. **Awarded article** - UEFISCDI: PN-III-P1-1.1-PRECISI-2021-67594, 1 Popescu, ER., Semeniuc, S., Hrițcu, LD., **Horhoge, CE.**, Spătaru, MC., Trus, C., Dobrin, RP., Chirita, V., Chirita, R. Cortisol and Oxytocin Could Predict Covert Aggression in Some Psychotic Patients. *Medicina-Lithuania*. 2021; 57(8), 760; doi: 10.3390/medicina57080760; WOS:000689634600001. FI 2.948, Q2
3. **Novelty Award (Posters section)** - Romanian Association of Algesiology, Romanian Society of Pharmaceutical Sciences: Aelenei, P., **Rebegea (Horhoge), CE.**, Rîmbu, CM., Guguianu, E., Dimitriu, G., Miron, A. *Xanthohumol – Synergistic effects with antibiotics against Gram-Positive bacteria*. The drug from idea to clinic, *Medicine Days Conference Works ed. A XXV-a, Oct. 12th-14th, 2017*, pag. 141-142, Ed. Pan Europe, Iași; ISBN 978-973-8483-82-8
4. **Gold Medal (Posters section)** - University of Life Sciences Timisoara: **Horhoge, CE.**, Busuioc, DA., Șindilar, EV., Popovici, I., Rîmbu, CM. *Mesenchymal Stem Cells – a new approach in animals therapy*. Multidisciplinary Conference on Sustainable Development, Timișoara (May, 25th-26th, 2023);

## Editorial Board member, Reviewer

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- Editorial Board Member - Pathology and Laboratory Medicine, Science Publishing Group (since 2016-2018)
- Reviewer and Editorial Board Member - International Journal of Immunology, Science Publishing Group (2019-2023)
- Reviewer for: Microorganisms (FI 4,5/Q2), Antibiotics (FI 4,5/Q2), International Journal of Molecular Sciences (FI 5,6/Q1), Brain Sciences (FI 3,3 /Q3), Molecules (FI 4,6/Q2), Plants (FI 4,5/Q1), Food Biophysics Springer (FI 3/Q2), BMC Veterinary Research Springer (FI 2.2/Q1), Veterinary Research Communication Springer, (FI 2.6/Q1), Journal of Pharmaceutical Research International (FI 0,11/Q4)

## PROJECTS

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### Research project Manager

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1. **ECONOMIC AGENT 13966/13.09.2023** - *In vitro and in vivo testing of the antimicrobial efficiency of Herba-Top Salmonella*. Period: 2023 - 2024. **Executed value: 62.500,00 lei (12.576,21 Eur.)**

### Member of project teams

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1. **CEEX AGRAL 15/2005** - *Characterization of bioactive principles of vegetal and fungal origin, with cytostatic, immunomodulatory, metabolic and neurotropic action and their valorization in functional nutrition*. 2005-2008. Project Director Solcan Gheorghe.
2. **CEEX 110/2006** - *Obtaining submerged strains of *Claviceps purpurea* with preferential and high glucanosynthetic capacity and establishing areas of biomedical valorization of some local glucan preparations*, Acronym CLAVIGLUC – BIOTECH. 2006-2008. Project Director Gheorghe Solcan.
3. **CEEX 105/25.01.2006 BIOTECH PROGRAM** - *Development and validation of new methods of diagnosis and surveillance of West Nile virus in Danube Delta ecosystems and testing of a new veterinary vaccine based on lentiviral vectors* – ROVETNILE. 2006–2008. Project Director Savuța Gheorghe.
4. **CNCSIS TYPE A 1218, 732/2007** - *Morphology and reactivity of skin-associated lymphoid tissue in animals*. 2007-2008. Project Director Solcan Carmen.
5. **PN II IDEAS – 1129 (1056)** - *Development of a method for identifying in naturally infected cats coronaviruses that segregate between canine and feline genotypes*. 2009-2012. Project Director Carp – Carare Mihai.
6. **PN II PARTNERSHIPS 52-180/2008** - *Fight against genetically recombinant influenza viruses: testing of new vaccines based on lentiviral vectors in pigs and poultry*. 2008-2011. Project Director Savuța Gheorghe
7. **PN II PARTNERSHIPS 62085** - *Autologous transplantation of neural tissue from olfactory mucosa and stem cells in the treatment of spinal cord injuries in dogs*. 2008-2011. Project Director Solcan Gheorghe.
8. **PN-II IDEI 1121/2009 (1104)** - *Epidemiological and etiological research on hepatitis E virus infections in swine in eastern Romania*. 2009-2012. Project Director Savuța Gheorghe.
9. **ECONOMIC AGENT 2431/23.02.2021** - *Adaptation of the Limousine breed to the growing and exploitation conditions in northern Romania*. 2021. Project Director Spataru Mihaela.
10. **ECONOMIC AGENT 21727/15.12.2022** - *Pharmacological evaluation of therapeutic principles of products from the portfolio of VETRO SOLUTIONS SA, containing cannabidiol, rehydration salts and HEPACTIV capsules, in dogs and cats*. 2022-2023. Project Director Grecu Mariana.
11. **ECONOMIC AGENT 18278/18.10.2022** - *Epidemiological study, diagnosis, evaluation of malignant potential and establishment of therapeutic protocol in neoplastic diseases in pets*. 2022-2023. Project Director Pavel Geta.
12. **ECONOMIC AGENT 12360/02.08.2023** - *Study on personalized microbiological diagnosis, testing the antimicrobial effectiveness of common antibiotics and innovative phago-phyto-nanocomplexes as an alternative to anti-infective treatment in animals*. 2023-2024. Project Manager Rîmbu Cristina.

