



**Europass  
Curriculum Vitae**

**Personal information**

First name(s) / Surname(s) **Marina Spinu**

Address(es)

Telephone(s)

Fax(es)

E-mail

Nationality Romanian

Date of birth

Gender female

**Desired employment /  
Occupational field**

**veterinary medicine**

**Work experience**

Dates 1998-present

Occupation or position held professor

Main activities and responsibilities Teaching responsibilities within the Department of Infectious diseases (lectures, clinical and laboratory activities) with undergraduate, master and doctoral students, PhD advisor, Research- submission of research proposals in the field of infectious diseases of farmed animals and wildlife (surveillance, diagnosis, control), immunology, welfare and connective fields; director or team member of research grants  
Peer reviewing research grants on behalf of the national Council of research and Innovation  
Contributing to elaboration of developmental strategies of the Faculty as a Chancellor, member of the Faculty Board and University Senate  
Consultant/trainer for private farmers in matters concerning infectious diseases (surveillance, diagnosis, control) of bovine, swine, sheep and goats, chickens

Name and address of employer USAMV FMV, Calea Manastur 3-5 Cluj Napoca Romania 600372

Type of business or sector Governmental

Dates 1995-1998

Occupation or position held Senior lecturer

Main activities and responsibilities Teaching responsibilities within the Department of Infectious diseases (lectures, clinical and laboratory activities) with undergraduate and master students, Research- submission of research proposals in the field of infectious diseases of farmed animals and wildlife (surveillance, diagnosis, control), immunology or connective fields; director or team member of research grants  
Peer reviewing research grants on behalf of the national Romanian Council of research and Innovation  
Contributing to elaboration of educational programs of the Faculty as a Chancellor, member of the Faculty Board and University Senate  
Consultant/trainer for private farmers in matters concerning infectious diseases (surveillance, diagnosis, control) of bovine, swine, sheep and goats, chickens

Name and address of employer USAMV FMV, Calea Manastur 3-5 Cluj Napoca Romania 600372

Type of business or sector Governmental

Dates 1992-1995

Occupation or position held Lecturer

Main activities and responsibilities	Teaching responsibilities within the Department of Infectious diseases (lectures, clinical and laboratory activities) with undergraduate vet students and students of the Veterinary College (technicians) Team member in research grants, contributing to submission of research proposals in the field of infectious diseases of farmed animals, immunology or connective fields
Name and address of employer	USAMV FMV, Calea Manastur 3-5 Cluj Napoca Romania 600372
Type of business or sector	Governmental
Dates	1985-1992
Occupation or position held	assistant
Main activities and responsibilities	Teaching responsibilities within the Department of Infectious diseases (clinical and laboratory activities) Member in research teams of research grants
Name and address of employer	USAMV FMV, Calea Manastur 3-5 Cluj Napoca Romania 600372
Type of business or sector	Governmental
Dates	1984-1985
Occupation or position held	researcher - Immunology
Main activities and responsibilities	Researches in equine infectious anemia and bovine leucosis (improvement of laboratory diagnostic tests)
Name and address of employer	Pasteur Institute Bucharest, Cluj branch, Fac. of Vet. Sci., Str. Manastur No.3-5, Cluj-Napoca, Romania
Type of business or sector	Governmental
Dates	1982 – 1984
Occupation or position held	Field veterinarian
Main activities and responsibilities	Surveillance and prevention of transmissible diseases, diagnosis and therapy of various diseases in farmed and small animals, implementation of disease control measures in the field
Name and address of employer	Alba county Veterinary Direction, Ministry of Agriculture, Romania
Type of business or sector	Governmental
<b>Education and training</b>	
Dates	1990-1991
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Veterinary medicine
Name and type of organisation providing education and training	Romanian Academy of Agriculture and Forestry
Level in national or international classification	PhD
Dates	1997-2005
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Biology
Name and type of organisation providing education and training	University Babes Bolyai Cluj-Napoca, Romania
Level in national or international classification	PhD
Dates	2008

Principal subjects/occupational skills covered	« Age- and administration route-dependent effects of certain vegetal extracts on the innate cell-mediated immune response in chickens»
Name and type of organisation providing education and training	Faculty of Veterinary Science, Department of Microbiology and Infectious diseases, Budapest, Hungary, financed by the Hungarian Academy of Sciences
Dates	2007
Principal subjects/occupational skills covered	« Age- and dose-dependent effects of certain vegetal extractions on the innate cell-mediated immune response in chickens»
Name and type of organisation providing education and training	OAI Institute for Animal Health, Debrecen, financed by the Hungarian Academy of Sciences
Dates	2005
Principal subjects/occupational skills covered	« Immunomodulating properties of Calendula officinalis and Echinacea angustifolia extractions in antigen primed hens»,
Name and type of organisation providing education and training	OAI Institute for Animal Health, Debrecen, financed by the Hungarian Academy of Sciences
Dates	2005
Principal subjects/occupational skills covered	«Age dependence of immune response to flea <i>X. conformis</i> in <i>M. crassus</i> »
Name and type of organisation providing education and training	Ramon Science Center, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev
Dates	2004
Principal subjects/occupational skills covered	« Action mechanisms of immunomodulating vegetal extracts»
Name and type of organisation providing education and training	Szent Istvan University, Faculty of Veterinary Medicine, Budapest, financed by the Hungarian Academy of Sciences
Dates	2004
Principal subjects/occupational skills covered	«Immune response to fleas in wild desert rodents»
Name and type of organisation providing education and training	Ramon Science Center, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev ARI Fellow
Dates	September 1-5, 2003
Principal subjects/occupational skills covered	« Distance counselling in higher education»
Name and type of organisation providing education and training	Oberursel, Germany
Dates	1999
Principal subjects/occupational skills covered	"Epidemiology and European Community Veterinary Legislation",
Name and type of organisation providing education and training	Iași, Romania within the framework of Tempus JEP 12425
Dates	1998

Principal subjects/occupational skills covered "Community legislation in force. Veterinary regulations. Public health and environment protection"

Name and type of organisation providing education and training Lisbon, Portugal

Dates October 1998

Principal subjects/occupational skills covered "Sustainable development of small zootechnical farms "

Name and type of organisation providing education and training Little Rock, Arkansas, USA

Dates September-October 1994

Principal subjects/occupational skills covered "Small farm management for a sustainable agriculture"

Name and type of organisation providing education and training Little Rock, Arkansas, USA

Dates January-July 1992

Principal subjects/occupational skills covered "Investigations of the immune system in hens under hot climate"

Name and type of organisation providing education and training University Ben-Gurion, Beer-Sheva, Israel

Dates April-May 1987

Principal subjects/occupational skills covered Novelties in Immunology, University of Medical Sciences

Name and type of organisation providing education and training Cluj-Napoca, Romania,

**Personal skills and competences**

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment  
European level (\*)

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
<b>English</b>	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user
<b>Russian</b>	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user
<b>Hungarian</b>	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user
<b>French</b>	A2 Basic user	A2 Basic user	A2 Basic user	A1 Basic user	A1 Basic user	A1 Basic user	A1 Basic user	A1 Basic user	A1 Basic user

(\*) Common European Framework of Reference for Languages

Social skills and competences Team work: I was part of numerous projects which involved team work and collaboration with other teams.  
Communications: As a group and project leader I have very good communicating skills as these are necessary for a good management of the projects.  
Intercultural skills: My work with foreign scientists dates for more than 20 years

Organisational skills and competences	<p>2012-present - Veterinary Diagnostics Laboratory of the Faculty of Veterinary Medicine Cluj-Napoca – Director</p> <p>Development and consolidation of management performances of university and SME employees, according to the objectives of these organisations within regional development, Cluj-Napoca, Romania, post graduate course Leonardo da Vinci program, 2004</p> <p>1996- present - Member of the Professor's Council, FVM Cluj</p> <p>2000- 2012 - Chancellor, Faculty of Veterinary Medicine, Cluj-Napoca; Member of the University Senate, Cluj-Napoca</p> <p>2000- 2008 County Board member of the Romanian Colege of Veterinarians</p> <p>2002 - present Member of The Doctors' Council of the Hungarian Academy of Sciences</p>
Technical skills and competences	<p>Hirsch index =29</p> <p>EAEVE expert (European Ass. of Establishments for veterinary Education)-Clinical sciences, EAEVE Coordinator, EFSA expert (European Food Safety Authority)</p>
Computer skills and competences	<p>Over - medium level of skills in Microsoft Office and Microsoft Windows</p>
Driving licence	<p>Driving licence B category</p>

**Additional information Research Projects:**

1. FP6 -6th Framework Programme of the European Union – Priority SPP/5.4.6, Porcine Circovirus Disease, Specific Support Action NMSACC-PCVD 518432 (prolonged 2009), participant
2. FP7- Cooperation Work Program: Food, Agriculture and Fisheries and Biotechnology: Novel technologies for surveillance of emerging and reemerging infections of wildlife, 2008-2012, associate partner (accepted), team leader
3. Influence of acclimation process on the immune system of Angora goats imported to NW Romania- National Council for Research and Inventions, 1995-1998, research team member
4. Studies on interrelations between antiviral and antibacterial reactivity in mink with Aleutian disease– National Council for Research and Inventions ,1998-1999, coordinator
5. In vivo and in vitro influence of several vegetal extractions on immune system in chickens– Ministry of Education and Research, 1998-2000, research team member
6. The use of in vitro systems as an alternative to in vivo tests on animals - 2000-2002, National Council for Research and Inventions, coordinator
7. Comparative evaluation of diagnostic methods in bovine and human tuberculosis. Estimation of bovine tuberculosis significance as a zoonotic risc factor - National Council for Research and Inventions, 200-2002, coordinator
8. Immuno-metabolic reactivity in antigen-primed chicken during alcoholic *Calendula officinalis* treatment - Ministry of Education and Research, 2003-2005, coordinator
9. Immunomodulating properties of *Calendula officinalis* and *Echinacea angustifolia* extractis in antigen primed hens, OAI Institute for Animal Health, Debrecen, financed by the Hungarian Academy of Sciences, 2005
10. Complex exploratory Research Project 100/2006 BIORADHIP, Composite biomaterials for radiotherapy and simultaneous hyperthermia, reserach team member
11. Complex exploratory Research Project ADEXPLANT 99/2006-2008, director
12. National Research Council, code 874, Phylogenetic position influences the immunomodulating qualities of certain vegetal extractions in farmed herbivores, director, 2007-2008
13. Age- and administration route-dependent effects of certain vegetal extracts on the innate cell-mediated immune response in chickens», financed by Hungarian Academy of Sciences, 2008
14. National Research Council, code 1121, Quantitative and qualitative modelling of the interrelation citokines-suspended avian cell cultures, 2006-2008
15. National Research Council, Complex Exploratory Research Project Arthropodes parasite in wild animals and their involvement in transmission of Lyme Disease: mollecular and ecoepidemiology, biology and development of new experimental models (team leader)
16. National Research Council, Exploratory Research Project PNII-ID - Antibacterial and regeneration stimulating character of phosphatic biomaterials, research team member
17. National Research Council, Exploratory Research Project PNII-ID -Studies on the influence of housing system and managment practices on milking cows welfare, research team member
18. National Research Council, Cooperation Project - Program 4 - Phenotypic appreciation and genetic characterisation by means of mollecular techniques of certain wildhog SUS SCROFA FERUS populations with the establishment of impact factors on the ecosystems within their areal to avoid the gentic vulnerability of the species
19. National Research Council, Cooperation Project PNII – PCCA Type 2, 2012-2016, Collaborative research, Establishement of a paradigm to evaluate the heavy metal and pathogenic microbial flora pollution in birds and fish and its inplementation in preserving biodiversity in the Danube delta Natural Reserve, Director
20. Horizon 2020 : Poultry and Pig Low-input and Organic production systems' Welfare (PPILOW) –financial responsible for Romania (2019-2024)
21. Horizon 2020, Subprogram 3.2. ERANET (UEFISCDI Romania) Core Organic Co-fund ROAM FREE RObust Animals in sustainable Mixed FREE range systems , (2021-2024) , director for Romania

Spînu Marina, Degen A. - 1993 - Effect of cold stress on performance and immune responses of Bedouin and White. British Poultry Science, nr. 1., vol. 34, p. 177.
Spînu Marina, Degen A., Rosenstrauch A. - 1993 - Effect of warm drinking water on the performance and immunological responses of broiler hens raised at low air temperatures, British Poultry Science, vol. 34, p. 353-358.
Kobolkuti Lorand, Daniel Cadar, Gábor Árpád Czirják, Mihaela Niculae, Timea Kiss, Carmen Sandru and Marina Spînu. The effects of environment and physiological cyclicity on the immune system of Viperinae," TheScientificWorldJOURNAL
Niculae M, Spînu M, Sandru C, Chirila F In vitro antimicrobial efficacy of honeydew honey and Calendula officinalis L. against Pseudomonas aeruginosa. Planta medica, v 77, p 1458, 2011
Niculae Mihaela, Marina Spînu, Dana Şandru, Brudaşcă F, Cadar D, Kobolkuti L, Ungvari A, Iulia Rindt, Uricaru A, Timea Kiss; Lamiaceae Essential Oils And Alcoholic Extracts And Their Effects On Zoonotic Multi Drug- Resistant Bacteria – 2009 – "57th International Congress and Annual Meeting of the Society For Medicinal Plant and Natural Product Research, Geneva, 16-20 August , Planta Medica, vol 75/2009, p.1051
Niculae Mihaela, Marina Spînu, Dana Şandru, Chirila F. – 2010 – The bioactivity of herbal essential oils ethanol extracts against Escherichia coli of animal origin – 2010 – "58th International Congress and Annual Meeting of the Society For Medicinal Plant and Natural Product Research, and 7th Tannin Conference, Berlin, Germany, 12 volume 76, P507. Planta Medica, nr.12, vol.76, pag.1322
Cadar D, Cságola A, Spînu M, Dán A, Ursu K, Lőrincz M, Tuboly T-Prevalence of porcine circoviruses in Transylvanian wild boars, detected by real-time PCR - short communication Acta Vet Hung. 2010 Dec 1;58(4):475-481.
I. C. Scurtu, G. Giurgiu, M. Mircean <sup>1</sup> , M. Spînu, C. Sandru, M. Niculae and L. Livitchi, Effects of a pro-oxidant dietary supplement on cell-mediated immunity in broilers Proceedings of the Nutrition Society (2010), 69 (OCE3), E314
Timea Kiss, Daniel Cadar, Alexandra Florina Krupaci, Armela Bordeanu, Marina Spînu - Serological Reactivity to Borrelia burgdorferi Sensu Lato in Dogs and Horses from Distinct Areas in Romania Vector-Borne And Zoonotic Diseases, Volume 11, Nr 9, 2011, 4
Pompei Florin Bolfa, Caroline Leroux b, Adela Pintea c, Sanda Andrei c, Cornel Catoi a, Marian Taulescu a, Flaviu Tabaran a, Marina Spînu d -Oxidant–antioxidant imbalance in horses infected with equine infectious anaemia virus. The Veterinary Journal (2011),
Lorand Kobolkuti , Daniel Cadar 1, Gabor Czirjak , Mihaela Niculae, Timea Kiss1, Carmen Sandru, Marina Spînu,nThe effects of environment and physiological cyclicity on the immune system of Viperinae Scientific World Journal, 2011, article in press, 8
Daniel Cadar, Attila Csagola, Marta Lorincz,mKata Tombacz, Timea Kiss, Marina Spînu, Tamas Tuboly, Genetic detection and analysis of porcine bocavirus type 1 (PoBoV1) in European wild boar (Sus scrofa) Virus Genes (2011) 43:376–379, 4
Marina Spînu , Carmen Monica Pop, Carmen Dana Sandru , Daniel Cadar Mihaela Niculae, Pompei Bolfa Diagnostic value of non-specific humoral immune changes in childreninvestigated for tuberculosis by skin test and bacteriology European respiratory Journal, 38/55/2011, Abstracts / 21st Annual Congress
Daniel Cadar, Attila Cságola Márta Lorincz, Kata Tombácz, Marina Spînu, Tamás Tuboly, Detection of natural inter- and intra-genotype recombination events revealedby cap gene analysis and decreasing prevalence of PCV2 in wild boars Infection, Genetics and Evolution, 12 (2012) 420–427
Dániel Cadar , Ádám Dán , Kata Tombácz , Márta Lorincz , Timea Kiss , Zsolt Becskei , Marina Spînu , Tamás Tuboly , Attila Cságola ,Phylogeny and evolutionary genetics of porcine parvovirus in wild boars Infection, Genetics and Evolution 12 (2012) 1163–1171
Timea Kiss, Dániel Cadar, Marina Spînu, Tick prevention at a crossroad: New and renewed solutions Veterinary Parasitology 187 (2012) 357–366
Silvana Popescu, Cristin Borda, Eva Andrea Diugan, Marina Spînu, Ioan Stefan Groza, Dairy cows welfare quality in tie-stall housingsystem with or without access to exercise Acta Veterinaria Scandinavica 2013, 55:43
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Popescu, S.; Diugan, E. A.; Spinu, M. The interrelations of good welfare indicators assessed in working horses and their relationships with the type of work. <i>Research in Veterinary Science</i> , Volume 96, Issue 2, April 2014, Pages 406–414
Kiss, T, Cadar, D, Krupaci, FA, Bordeanu, AD, Spinu, M, Prevalence of Anaplasma phagocytophilum infection in European wild boar (Sus scrofa) populations from Transylvania, Romania, <i>Epidemiol Infect.</i> 2014 Feb;142(2):246-50.
Gati G, Pop C, Brudașcă F, Gurzău AE, Spînu M. The ecological risk of heavy metals in sediment from the Danube Delta. <i>Ecotoxicology</i> . 2016 May;25(4):688-96.
Paștiu AI, Pap PL, Vágási CI, Niculae M, Páll E, Domșa C, Brudașcă FG, Spînu M. Wild Birds in Romania Are More Exposed to West Nile Virus Than to Newcastle Disease Virus. <i>Vet Parasitol.</i> 2015 Sep 15;212(3-4):393-5.
Czirják GÁ, Köbölkuti LB, Tenk M, Szakács A, Kelemen A, Spînu M. Hemorrhagic stomatitis in a natural hybrid of <i>Vipera ammodytes</i> × <i>Vipera berus</i> due to inappropriate substrate in terrarium. <i>J Vet Med Sci.</i> 2015 Jun;77(6):701-3.
Huang E, Gurzau AE, Hanson BM, Kates AE, Smith TC, Pettigrew MM, Spinu M, Rabinowitz PM. Detection of livestock-associated methicillin-resistant <i>Staphylococcus aureus</i> among swine workers in Romania. <i>J Infect Public Health.</i> 2014 Jul-Aug;7(4):323-32
Marina Spînu, Mihaela Niculae, Anamaria Ioana Paștiu, Carmen Dana Șandru, Eموke Pall, A. Vasiiu. Vegetal extracts influence in vitro on the cell-mediated immunity in carnivores depending on health status, target species and plant taxonomy. Volume 88, 15 October 2016
Carmen Dana Șandru, Mihaela Niculae, Silvana Popescu, Anamaria Ioana Paștiu, Emőke Páll, Marina Spînu. <i>Urtica dioica</i> alcoholic extract increases the cell-mediated innate immune potential in chickens. <i>Industrial Crops and Products</i> , Volume 88, 15 October 2016, Pages 48-50
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Páll, E., Niculae, M., Brudașcă, G. F., Ravilov, R. K., Șandru, C. D., Cerbu, C., Olah, D., Zăblău, S., Potârniche, A. V., Spinu, M., Duca, G., Rusu, M., Rzewuska, M., & Vasiiu, A. (2021). Assessment and Antibiotic Resistance Profiling in <i>Vibrio</i> Species Isolated from Wild Birds Captured in Danube Delta Biosphere Reserve, Romania. <i>Antibiotics</i> , 10(3), 333. <a href="https://doi.org/10.3390/antibiotics10030333">https://doi.org/10.3390/antibiotics10030333</a>
Chrobak-Chmiel, D., Kwiecień, E., Golke, A., Dolka, B., Adamczyk, K., Biegańska, M. J., Spinu, M., Binek, M., & Rzewuska, M. (2021). Pigeons as Carriers of Clinically Relevant Multidrug-Resistant Pathogens—A Clinical Case Report and Literature Review. <i>Frontiers in veterinary science</i> , 8, 664226. <a href="https://doi.org/10.3389/fvets.2021.664226">https://doi.org/10.3389/fvets.2021.664226</a>
Bouhenni, H., Doukani, K., Hanganu, D., Olah, N. K., Sekeroglu, N., Gezici, S., Spinu M., Niculae, M. (2021). Comparative analysis on bioactive compounds and antioxidant activity of Algerian fenugreek ( <i>Trigonella foenum-graecum</i> L.) and Syrian cumin ( <i>Cuminum cyminum</i> L.) seeds. <i>Herba Polonica</i> , 67(1), 18-34.
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Băieș, M.-H., Cotuțiu, V.-D., Spînu, M., Mathe, A., Cozma-Petruț, A., Miere, D., Bolboacă, S. D., & Cozma, V. (2023). The Effects of <i>Coriandrum sativum</i> L. and <i>Cucurbita pepo</i> L. against Gastrointestinal Parasites in Swine: An In Vivo Study. <i>Microorganisms</i> , 11(5), 1230. <a href="https://doi.org/10.3390/microorganisms11051230">https://doi.org/10.3390/microorganisms11051230</a>
Băieș, M. H., Gherman, C., Boros, Z., Olah, D., Vlase, A. M., Cozma-Petruț, A., Györke, A., Miere, D., Vlase, L., Crișan, G., Spînu, M., & Cozma, V. (2022). The Effects of <i>Allium sativum</i> L., <i>Artemisia absinthium</i> L., <i>Cucurbita pepo</i> L., <i>Coriandrum sativum</i> L., <i>Satureja hortensis</i> L. and <i>Calendula officinalis</i> L. on the Embryogenesis of <i>Ascaris suum</i> Eggs during an In Vitro Experimental Study. <i>Pathogens</i> (Basel, Switzerland), 11(9), 1065. <a href="https://doi.org/10.3390/pathogens11091065">https://doi.org/10.3390/pathogens11091065</a>
Băieș, M.-H., Cotuțiu, V.-D., Spînu, M., Mathe, A., Cozma-Petruț, A., Bocăneț, V. I., & Cozma, V. (2023). <i>Satureja hortensis</i> L. and <i>Calendula officinalis</i> L., Two Romanian Plants, with In Vivo Antiparasitic Potential against Digestive Parasites of Swine. <i>Microorganisms</i> , 11(12), 2980. <a href="https://doi.org/10.3390/microorganisms11122980">https://doi.org/10.3390/microorganisms11122980</a>
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Vasiiu, A., Sandru, C., Chanove, E., Olah, D., et al. (2023). Echinacea Genus: An Endless Natural Therapeutic Resource? An Overview. <i>Current Perspectives on Medicinal and Aromatic Plants</i> , 6(1), 51-65.

Aurel, V., Sandru, C., Spinu, M., Ungureanu, E., et al. (2023). Environmental Pollution Degree Changes The Biological Activity Of Nettle Plant Extracts In Chickens. <i>Current Perspectives on Medicinal and Aromatic Plants</i> , 6(2), 84-89. <a href="https://doi.org/10.38093/cupmap.1337889">https://doi.org/10.38093/cupmap.1337889</a>
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