

**CURRICULUM VITAE**

Last name: Spataru
First name: Mihaela-Claudia
Faculty: Veterinary Medicine
Department: Public health
Address (work address): 8, Mihail Sadoveanu Alley, Iași, 700489, Romania
Telephone: +40 232 407 577, +40740949403
Fax: +40 0232 219 113
E-mail: mspatarufmv@yahoo.com, mspataru@uaiasi.ro

Studies:

Faculty of veterinary medicine, Iasi University of Agronomical Sciences and Veterinary Medicine „Ion Ionescu de la Brad”, Romania

Scientific title:

Ph.D in Veterinary Medicine, with the title *Osteo-ligamentary system and muscles of head, neck and trunk in muskrat (Ondatra zibethica)*, 2004

Habilitation in Veterinary medicine domain obtained in 2023

Professional experience:

Associated professor at Faculty of Veterinary Medicine, Iași University of Life Sciences „Ion Ionescu de la Brad”, performing activity in teaching and researching in the fields of Laboratory Animal Biology, Experimental Medicine, Animal Anatomy

Length of service: 26 years

Courses and practical work taught:

Anatomy of animals, Faculty of Veterinary Medicine, for the first and the second year of study, English program

Experimental medicine, Faculty of Veterinary Medicine, for the fifth year of study, Romanian program

Biology of Laboratory animals (2005- 2019- optional lecture), Faculty of Veterinary Medicine, the first year of study, Romanian program

Comparative Anatomy, Biology specialization, Faculty of Agriculture, Iași University of Life Sciences „Ion Ionescu de la Brad”

Books published: in total 8,

1. Spataru C., *Spataru Mihaela*, 2003, *Manual practic de anatomie veterinară – aparatul locomotor*. Ed. Tehnopress, Iași. ISBN 973-702-026-X
2. *Spataru Mihaela*, 2009, *Anatomia comparată a animalelor*, Ed. ALFA, Iași, ISBN 987-606-540-001-6
3. Spataru C., *Spataru Mihaela*, Coțofan V., 2011, *Particularități morfo-funcționale ale aparatului locomotor la bizam și veveriță*. Ed. ALFA., ISBN 978-606-540-074-0
4. Miron L., Spataru C., Drugociu D., *Spataru Mihaela*, Roșca P., Ferat Aida, 2018, *Muzeul de Anatomie al Facultății de Medicină Veterinară din Iași*. Ed. Performantica, Iasi, ISBN-978-606-685-626-3
5. *Spataru Mihaela Claudia*, 2019, *Veterinary Anatomy Splanchnology of domestic animals*. Ed. „Ion Ionescu de la Brad” Iasi, ISBN 978-973-147-349-9
6. *Spataru Mihaela Claudia*, Covasa Costica Toader, 2020, *Veterinary Anatomy Practical guid of the Locomotor System*, Ed. „Ion Ionescu de la Brad” Iasi, ISBN 978-973-147-359-8
7. *Spataru Mihaela Claudia*, 2021, *Medicina experimentală. Modele animale utilizate în cercetarea biomedicală*. Editura Alfa, Iași, ISBN 978-606-540-266-9,
8. *Spataru Mihaela Claudia*, 2022, *Circulatory System and Nervous System of domestic animals*, Editura „Ion Ionescu de la Brad” Iasi, Ed. „Ion Ionescu de la Brad” Iasi, ISBN 978-973-147-460-1

Articles published total: 102, from that:

Papers published at International Congresses:

1. Spataru, C.; Spataru, M.C.; Vulpe, V. (2014) *The morpho-functional peculiarities of the antebrachio-carpo-metacarpal and tibio-tarso-metatarsal joints of brown bears*, Anatomia, Histologia and Embryologia, Vol 43 (Suppl. 1):87, ISSN 1439-0264, DOI: 10.1111/ahe.12127

2. Spataru, M.C.; Spataru, C.; Solcan, C. (2014) *Peculiarities of falcons' temporomandible joint and muscles that are acting in prehension* Anatomia, Histologia and Embryologia, Vol 43 (suppl. 1): 87- 88, ISSN 1439-0264, DOI: 10.1111/ahe.12127

3. M.C. Spataru, A. Moldoveanu-Gaşcu, A.C. Grădinaru, C. Spataru, C. Chiruță- 2021, The impact of animal experimentation on Romanian youth, ICERI 2021 Proceeding Pg: 682-690, ISBN: 978-84-09-34549-6, ISSN: 2340-1095, Conference name: 14th International Conference of Education, Research and Innovation, 8th-9th November, 2021, DOI:10.21125/iceri.2021.0219

4. Grădinaru, A.C.; Spataru, M. C.; Pavel, G (2021) The importance of objective evaluations in stimulating fair competitiveness in higher veterinary education ICERI 2021 Proceeding Pg: 1661-1665, ISBN: 978-84-09-34549-6, ISSN: 2340-1095, Conference name: 14th International Conference of Education, Research and Innovation, 8th-9th November, Seville 2021, doi: 10.21125/iceri.2021.0453

5. Spataru, M.; Coman, C.; Spataru, C. (2022) The Romanian student perception about animal experimentation (PC 10), p. 154-155, Abstracts of 15th FELASA congress 2022, Laboratory Animals 2022, Vol. 56(1S), sagepub.com/journals-permissions, DOI: 10.1177/00236772221103950

Papers published in ISI journals: 28:

Papers published in abstract:1

1. Zamfir, C. L.; Zugun, F. E.; Cojocaru, E.; Temneanu, R. O.; Folescu, R.; Spataru Mihaela (2012) *Expression of SOD Family in rat lacrimal gland after intermittent light exposure*, Virchows Arch., 461 (Suppl 1): S1-S332, DOI 10.1007/s00428-012-1284-1. (WOS:000310364801764)

ISI Proceedings papers:4

1. Spataru, M.C.; Constantinescu, M. G.; Spataru, C. (2019) Unity through diversity in teaching Veterinary Anatomy, Revista Romana de Medicina Veterinara, 29 (2):55-60. <https://agmv.ro/wp-content/uploads/2019/10/UNITATE-PRIN-DIVERSITATE-%C3%8EN-PREDAREA-ANATOMIEI-VETERINARE.pdf>, CABI ID – 20193449560 (WOS:000476842800011)

2. Grădinaru, A. C.; Petrescu-Mag , I.V.; Henea , E. M.; Grecu, M.; Spataru, M. C.; Spataru, C.; Popa, A. (2021) A natural opioid drug released by a1 beta-casein milk protein digestion was reported to be related to various pathologies, Rev Rom Med Vet, 31|3: 85-90, https://agmv.ro/wp-content/uploads/2021/09/85_90_Gradinaru_6-n-min.pdf, (WOS: 000703199300015)

3. Spataru, M. C.; Hritcu, L. D.; Grădinaru, A. C.; Spataru, C. (2022) The ageing brain impairment and the use of dogs in behavioral studies; Rev Rom Med Vet, 32 | 1: 70-74, https://agmv.ro/wp-content/uploads/2022/04/70_74_Spataru_5.pdf, (WOS: 000782272400012)

4. Spataru, M.C.; Grădinaru, A.C.; Spataru C. (2023) The suitability of using the ferret as a model organism in biomedical research, REVISTA ROMANA DE MEDICINA VETERINARA, 33(1):50-54 (WOS: 000974905000008)

Papers published in ISI journals with Impact factor:

1. Spataru, C.; Spataru, Mihaela; Vulpe, V.; Lazar, M. (2013) *The peculiarities of the masticator muscles in rodents*. Arq. Bras. Med. Vet. Zootec. [online], 65(3): 749-756. ISSN 0102-0935. <http://dx.doi.org/10.1590/S0102-09352013000300021>. (WOS:000322026700021) (IF=0,309)

2. Hrițcu, L.; Borcea, D.; Anton, E.; Moroșan, Ș.; Pașca, S.; Trincă, C.; Spataru, M. C.; Petrariu, F.; Burtan, L.; Ciobică, A.; Curpan, A.; Timofte, D. (2021) Experimental induction of type 2 diabetes mellitus and the efficiency of bariatric surgery in its 1 reversal in rats, Acta endocrinologica, vol. XVII (2):149-156 ISSN (tipărit): 1841 - 0987 ISSN (online): 1843 - 066X, doi: 10.4183/aeb.2021.149, WOS:000746547000001 (IF= 0,877)

3. Solcan, C.; Spataru, Mihaela; Spataru, C.; Floristean, V.; Solcan, G. (2017) *The Dedifferentiate Tumor of the Bursa of Fabricius and the Intestinal Mucosa Associated Lymphoid Tissue in Quail (Coturnix coturnix): Case Report*, Pakistan Veterinary Journal 37 (2), 236-238. WOS:000400546700024, http://www.pvj.com.pk/archive/Volume_37_Issue_2_2017.htm, (IF=1,217)

4. Spataru, M. C.; Spataru, C.; Solcan, C.; Grădinaru, A. C.; Donosa, R.; Hritcu, L. D. (2019) *Study of the Health Effects of Red Beet Juice and Asorubine Food Dyes Used in Feeding and Watering of the Animals for Experience*, Rev de Chim (Bucharest), vol. 5/2019, p. 1569-1573. (WOS:000470086400011), <https://doi.org/10.37358/RC.19.5.7170>, (IF=1,755)

5. Spataru, M. C.; Spataru, C.; Trofin, A.; Zamfir, C. L.; Hritcu, L. D.; Enache, G. A.; Solcan, C. (2019) *Evaluation of the effect of red onion extract consumption in mice (Mus musculus)* Revista de Chimie, vol. 70 (7): 2506-2510, (WOS:000485843500043) <https://doi.org/10.37358/RC.19.7.7370>, (IF= 1,755)



6. Baltatu, M. S.; Tugui, C. A.; Perju, M. C.; Benchea, M., **Spataru, M.C.**; Sandu, A. V., Vizureanu P. (2019) *Biocompatible titanium alloys used in medical applications*, Revista de Chimie (Bucharest), vol 4/2019, p. 1302-1307. WOS:000469387200039, <https://doi.org/10.37358/RC.19.4.7114>, (IF= 1,755)
7. Untu, R.; Zamfir, C. L.; Boanca, M.; Temneanu, R. O.; Zugun, F. E.; Gales, C.; Zamfir, A. S.; Strat, L.; Folescu, R.; **Spataru, M. C.** (2019) *The Biochemical Relevance of Different Types of Oxidative Stress at the Ocular Level*, Rev de Chim (Bucharest), vol 5/2019, p. 1694-1697. (WOS:000470086400036), <https://doi.org/10.37358/RC.19.5.7195>, (IF= 1,755)
8. Hritcu, L. D.; Horhoge, C.; Ciobica, A.; **Spataru, M.C.**; Spataru, C.; Kis, A. (2019) *Conceptual Replication of Canine Serum Oxytocin Increase Following a Positive Dog-human Interaction*, Rev de Chim (Bucharest), vol 5/2019, p. 1579-1581. (WOS:000470086400013), <https://doi.org/10.37358/RC.19.5.7172>, IF= 1,755)
9. Gradinaru, A. C.; Solcan, G.; **Spataru, M.C.**; Hritcu, L. D.; Burtan, L. C.; Spataru, C. (2019) *The Ecotoxicology of Heavy Metals from Various Anthropogenic Sources and Pathways for their Bioremediation*, REVISTA DE CHIMIE 70 (7):2556-2560. (WOS:000485843500052), <https://doi.org/10.37358/RC.19.7.7379>, (IF= 1,755)
10. Gavril, R.; Hritcu, L.; Padurariu, M.; Ciobica, A.; Stefanescu, C.; Stefanescu, G.; **Spataru, M. C.**; Straulea, C.; Horhoge, C. (2019) *Preliminary study on the correlations between oxytocin levels and irritable bowel syndrome in patients with depression*, Revista de chimie, Vol.70 (6):2204-2206., (WOS:000475860100065), <https://doi.org/10.37358/RC.19.6.7305> (IF= 1,755)
11. Hritcu, L. D.; Padurariu, M.; Ciobica, A.; Horhoge, C.; **Spataru, M. C.**, Spataru, C., Burtan, L.; Stefănescu, C. (2019) *Serum Cortisol Levels Modifications in Patients with Depression and Irritable Bowel Syndrome*, REVISTA DE CHIMIE 70 (9): 3383-3386. (WOS:000489958900061), <https://doi.org/10.37358/RC.19.9.7554>, (IF= 1,755)
12. **Spataru, M. C.** ; Butnaru, M.; Sandu, A. V.; Vulpe, V.; Vlad, M. D.; Baltatu, M. S.; Victor Geanta, Voiculescu, I.; Vizureanu, P.; Solcan, C. (2021) In-depth assessment of new Ti-based biocompatible materials, Materials Chemistry and Physics, 258, DOI: 10.1016/j.matchemphys.2020.123959, (WOS:000595150900003), (IF= 3,408)
13. Verestiuc, L.; **Spataru, M. C.**; Baltatu, M. S.; Butnaru, M.; Solcan, C.; Sandu, A. V.; Voiculescu, I.; Geanta, V.; Vizureanu, P. (2021) *New Ti-Mo-Si materials for bone prosthesis applications*, Journal of the Mechanical Behavior of Biomedical Materials, 113, DOI: 10.1016/j.jmbbm.2020.104198, (WOS:000599657400007) (IF=3,372)
14. Popescu, E. R.; Semeniuc, S.; Hritcu, L. D.; Horhoge, C. E.; Spataru, M. C.; Trus, C.; Dobrin, R. P.; Chirita, V.; Chirita, R. (2021) Cortisol and oxytocin could predict covert aggression in some psychotic patients, Medicina 57 (8), 760, WOS: 000689634600001 <https://doi.org/10.3390/medicina57080760> (IF= 2,34)
15. **Spataru, M. C.**, Cojocaru, F. D.; Sandu, A. V.; Solcan, C.; Duceac, I. A.; Baltatu, M. S.; Voiculescu, I.; Geanta, V.; Vizureanu, P. (2021) Assessment of the Effects of Si Addition to a New TiMoZrTa System, Materials, 14(24):7610, <https://doi.org/10.3390/ma14247610>, (WOS:000738296700001), IF=3,623
16. Baltatu, M. S.; **Spataru, M. C.**; Verestiuc, L.; Balan, V.; Solcan, C.; Sandu, A. V.; Geanta, V.; Voiculescu, I.; Vizureanu, P. (2021) Design, Synthesis, and Preliminary Evaluation for Ti-Mo-Zr-Ta-Si Alloys for Potential Implant Applications, Materials, 14 (22):6806, (WOS: 000727076700001), IF=3,623
17. Baltatu, I.; Sandu, A.V.; Vlad, M.D.; **Spataru, M.C.**; Vizureanu, P.; Baltatu, M.S. (2022) Mechanical Characterization and In Vitro Assay of Biocompatible Titanium Alloys., Micromachines 2022, 13, 430, <https://doi.org/10.3390/mi13030430>, (WOS: 000774143300001), IF=2, 891
18. Dellali, K.Z.; Dellali, M.; Rață, D.M.; Cadinoiu, A.N.; Atanase, L.I.; Popa, M.; **Spataru, M. C.**; Solcan, C. (2022) Assessment of Physicochemical and In Vivo Biological Properties of Polymeric Nanocapsules Based on Chitosan and Poly(N-vinyl pyrrolidone-alt-itaconic anhydride). Polymers 2022, 14, 1811. <https://doi.org/10.3390/polym14091811>, (WOS: 000795489800001), IF= 4,329
19. Gürbüz, I; Demiraslan, Y.; Rajapakse, C.; Weerakoon, D. K.; Fernando, S.; **Spataru, M.-C.**; Gündemir, O. (2022) Skull of the Asian (Paradoxurus Hermaphroditus) and the golden (Paradoxurus Zeylonensis) palm civet: Geometric morphometric analysis using palate, tooth and frontal landmarks, Anat Histol Embryol.; 51(6):718-727, DOI: 10.1111/ah.12847; (WOS:000851470200001) IF=1,130(**corresponding autor**)
20. **Spataru, M.C.**; Coman, C.; Bild, V.; Stanciu, G. D.; Velescu, B. S.; Beșchea Chiriac, S. I.; Spataru, C. (2022) The Romanian student perception about experimentation on animals, FARMACIA, 70(6):1194-1203, <https://doi.org/10.31925/farmacia.2022.6.25>, WOS:000969664100025, IF=1,433
21. Usturoi, A.; Usturoi, M.-G.; Avarvarei, B.-V.; Pânzaru, C.; Simeanu, C.; Usturoi, M.-I.; **Spătaru, M.**; Radu-Rusu, R.-M.; Doliș, M.-G.; Simeanu, D. (2023) Research Regarding Correlation between the Assured Health State for Laying Hens and Their Productivity. Agriculture 2023, 13, 86. (WOS: 000914298200001), <https://doi.org/10.3390/agriculture13010086>, IF= 3,408
22. Gündemir, M. G., Szara, T., Spataru, C., Demircioglu, I., Turek, B., Petrovas, G., & **Spataru, M. C.** (2023). Shape differences of the Carina sterni in birds of various locomotion types. Anatomia, Histologia, Embryologia, 52(2):190-196. (WOS: 000862249400001, <https://doi.org/10.1111/ah.12870>, IF=1,130



23. Gündemir, O; Koungoulos, L.; Szara, T.; Duro, S.; **Spataru, M.C.**; Michaud, M.; Ona, V. (2023) Cranial morphology of Balkan and West Asian livestock guardian dogs, *Journal of Anatomy* 2023;00:1–9, DOI: 10.1111/joa.13929 (Q1) (WOS: 001024947400001) (IF: 2,4)

Research grants:

- **Responsible/Coordinator of the grant: 2**

1. **N-III-P1-1.2-PCCDI-2017-0239 no 60PCCDI/2018/PR2 (2018-2021)**, entitled: *Titanium-based on biocompatible alloys for medical prosthetics from complex microalloyed systems – BioTIT*

2. **Aplicative research grant no 2431/2021** entitled "Adaptation of the Limousine breed to the growth and exploitation conditions in northern Romania"

- **member in the research team (12), from that:**

1. 2005 – 2006 (2008) **CEEX : "SELENPLUS": Selenium management in the plant-animal-human food chain.**

Coordinator: Prof. PhD Miron Liviu,

2. **Grant CNCISIS 1136/2008 (2009-2011): Interpretation of morpho-functional particularities of the osteoligamentary and muscular systems of the muskrat and squirrel rodents with different habitat by applying the principle of form-function and cause-effect,**

3. **Grant POSDRU 90/2/5/63915, 2010-2013 – Labour market integration of veterinary medical students in higher education - practical training internships**

4. **Aplicative research grant no 2431/2021 – Studies on the breeding of laying hens and the optimization of their productions**

5. **Aplicative research grant no. 1086/27.01.2020- The use of modern methods in the early diagnosis of digestive parasitosis in ruminants and the therapy of enteric syndrome**

Member of the management structures:

- 2018-2020- Member of the Trade Union Committee of the USAMV Iași Free Trade Union

- From 2020 to the present - Member of the Senate of the University for Life Sciences "Ion Ionescu de la Brad" from Iași, being a member of the Working Committees of the University Senate: *Teaching activity and quality assurance, Decisions, regulations, university ethics, honorary degrees and awards*

Awards, distinctions:

- **2021: Gold Medal in awarded to Euroinvent Book Salon, pentru cartea Medicina experimentală. Modele animale utilizate în cercetarea biomedicală. Autor. Spataru Mihaela Claudia, Editura Alfa, 2021, Iași, ISBN 978-606-540-266-9**

- Award in the "Award of research results" for 2020 with the paper: *New Ti–Mo–Si materials for bone prosthesis applications*, efectuată de colectivul de autori: Verestiuc, L.; **Spataru, Mihaela Claudia**; Baltatu, M. S.; Butnaru, M.; Solcan, C.; Sandu, A. V.; Voiculescu, I.; Geanta, V.; Vizureanu, P., publicată în *Journal of the Mechanical Behavior of Biomedical Materials*, 113, DOI: 10.1016/j.jmbbm.2020.104198, WOS:000599657400007

Areas of expertise: Comparative anatomy, zoology, anatomy and physiology of experimental animals, organization of animal experimentation, communication.

Research areas: normal and pathological morphology, organizing of animal research, implantology, metabolism and metabolic disorders.

Specializations and qualifications:

Period	University	Specialization
1998	Postgraduate courses in Teaching Professionalization, "Al. I. Cuza" Iași	Harmonization of the teaching process with the students' learning activity
2016	Romanian Center for Social and Psychotherapeutic Intervention Association	Personal development advisor
2017	Romanian Center for Social and Psychotherapeutic Intervention Association	Specialist in working with people with physical and mental disabilities
2019	Structural Eurotraining SRL Bucharest Association	Manager proiect



2020	„Ion Ionescu de la Brad” University of Agronomical Sciences and Veterinary Medicine	Postgraduate training program and continuous professional development "Blended learning - flexibility for the internationalization of higher education"
2021	Academy of Economic Studies Faculty of Accounting and Management Informatics	Postgraduate training program and continuous professional development "Entrepreneurship and innovation"

Membership of Scientific and Professional Organizations from:

- 1997-2023-Association of Romanian Veterinarians,
- 2000-2023- Association of graduates of the Faculty of Veterinary Medicine from Iasi
- 2009-2023 - member of the National Society for protection of animals used in experiments (ARSAL) affiliated to FELASA
- 1997-2023 - member of Veterinary Anatomists Association of Romania (ARAV)
- 2014-2023- member of European Association of Veterinary Anatomists (EAVA)

Foreign languages: English, French

Foreign Language Known	English, French					
Autoevaluation	Înțelegere		Vorbire		Scriere	
	Listening	Reading	Talking	Speaking	Writing	
European level (*)						
English	C1	C1	B2	B2	B2	
French	B1	B1	B1	A2	A2	
	Driving license		B. Category			

Data 24.11.2023

Associate Professor, PhD, DVM habilitated Mihaela- Claudia Spataru

