

LISTA DE LUCRĂRI DIN MOMENTUL SUSȚINERII
TEZEI DE DOCTORAT PÂNĂ ÎN PREZENT

Articole publicate *in extenso* în reviste cotate ISI în calitate de autor principal

1. Florea A, Puică C, Hameda S, Tilinca M, **Matei HV**. Histopathological and Ultrastructural Changes Experimentally Induced by Bee Venom in Seminiferous Epithelium via Structural-Functional Alteration of Sertoli Cells. *Micron*. 2017;102:1-14; WOS:000415912700001; DOI:10.1016/j.micron.2017.07.012; ISSN: 0968-4328. **IF(2016)=1.980; cuartila Q2 în 2014**
2. Junie LM, Vică ML, Glevitzky M, **Matei HV**. Physico-Chemical Characterisation and Antibacterial Activity of Different Types of Honey Tested on Stains Isolated from Hospitalised Patients. *Journal of Apicultural Science*. 2016; 60(1):5-17. WOS:000377513200001; DOI: 10.1515/JAS-2016-0013; ISSN: 1643-4439, eISSN: 2299-4831. **IF(2016)=0.722**
3. Bâlici Ș, Niculae M, Pall E, Rusu M, Rusu D, **Matei H**. Antibiotic-Like Behavior of Polyoxometalates. *In Vitro Comparative Study: Seven Polyoxotungstates – Nine Antibiotics against Gram-Positive and Gram-Negative Bacteria*. *Revista de Chimie (Bucharest)*.2016;67(3):485-490. WOS:000375364800020; DOI: 111/10.06.2015; ISSN: 0034-7752. **IF(2016)=1.232**
4. Bâlici Ș, Șuşman S, Rusu D, Nicula GZ, Sorițău O, Rusu M, Biris AS, **Matei H**. Differentiation of Stem Cells into Insulin-Producing Cells under the Influence of Nanostructural Polyoxometalates. *Journal of Applied Toxicology*. 2016;36(3):373-384. WOS:000370152600004; DOI: 10.1002/jat.3218; ISSN: 0260-437X, eISSN: 1099-1263. **IF(2016)=3.159; cuartila Q2 în 2014**
5. Surugiu S, Chiș A, Mare C, **Matei H***, Stamatian F. Early Changes of Placenta-Derived Messenger RNA in Maternal Plasma - Potential Value for Preeclampsia Prediction? *Revista Română de Medicină de Laborator*. 2015;23(4):431-438. WOS:000367470600 006; DOI: 10.1515/rrlm-2015-0042; ISSN: 1841-6624, eISSN: 2284-5623. **IF(2015)=0.143**
6. Bâlici Ș, Wankeu-Nya M, Rusu D, Nicula GZ, Rusu M, Florea A, **Matei H**. Ultrastructural Analysis of *In Vivo* Hypoglycemic Effect of Two Polyoxometalates in Rats with Streptozotocin-Induced Diabetes. *Microscopy and Microanalysis*. 2015; 21(5):1236-1248. WOS:0003629503000 18; DOI:10.1017/S1431927615015020; ISSN: 1431-9276, eISSN: 1435-8115. **IF(2015)=1.730; cuartila Q2 în 2013.**
7. Vică ML, Junie LM, Grad AI, Tătaru A, **Matei HV**. Distribution of Sexually Transmitted Diseases in a Group of Symptomatic Male Patients Using Urine Samples and PCR Technique. *Revista Română de Medicină de Laborator*. 2015;23(3):323-331. WOS:000362220100007; DOI: 10.1515/rrlm-2015-0029; ISSN: 1841-6624, eISSN: 2284-5623. **IF(2015)=0.143**
8. Vică ML, Junie LM, Grad AI, Tătaru A, **Matei HV**. Determination of Sexually Transmitted Diseases Frequency by Simultaneous Detection of Six Pathogens Using PCR Methods. *Journal of*

Environmental Protection and Ecology. 2015;16(4):1603-1611. WOS:000368864500044; ISSN: 1311-5065. **IF(2015)=0.734**

9. **Matei HV**, Vică ML, Bâlici S, Popa D, Siserman C, Mironiuc C. Distribution of HPV Genotypes in Patients from Cluj County, Romania. Journal of Environmental Protection and Ecology. 2014;15(4):1823-1831. WOS:000348254600033; ISSN: 1311-5065. **IF(2014)=0.838**
10. Nicula GZ, Vică ML, Popa D, Bâlici Ș, **Matei H***, Siserman C. Aspects of Particulate Matter in Cigarette Smoke and Car Engines Emission Fuelled by Gasoline Observed by Scanning Electron Microscopy. Journal of Environmental Protection and Ecology. 2014;15(1):23-29. WOS:000334131100004; ISSN: 1311-5065. **IF(2014)=0.838**
11. Biapa PCN, **Matei H***, Bâlici Ș, Oben JE, Ngogang JY. Protective Effects of Stem Bark of *Harungana madagascariensis* on the Red Blood Cell Membrane. BMC Complementary and Alternative Medicine. 2013;13:98; WOS:000319274600001; DOI: 10.1186/1472-6882-13-98; ISSN: 1472-6882. **IF(2013)=1.877; cuartila Q1 în 2011**
12. **Matei H**, Florea A, Chiș A, Popa G, Tilinca M. Changes in the Erythrocyte Membrane Cytoskeleton in Microcytic Hemolytic Anemia – Case Report. Revista Română de Medicină de Laborator. 2010;18(3):31-37. WOS:000282599800004; ISSN: 1841-6624. **IF(2010)=0.113**

Articole publicate in extenso în reviste cotate ISI în calitate de coautor

1. Badri N, Mhamdi M, Ben Ali R, **Matei H**, Tekaya WH, Florea A, Maghraoui S, Tekaya L. Gold and Female Reproductive Organs: an Ultrastructural Study. Biological Trace Element Research. 2017; Epub ahead of print. DOI: 10.1007/s12011-017-1135-7, ISSN: 0163-4984. **IF(2016)=2.399.**
2. Badri N, Florea A, Mhamdi M, **Matei H**, Tekaya WH, Bâati R, Maghraoui S, Tekaya L. Toxicological Effects and Ultrastructural Changes Induced by Lanthanum and Cerium in Ovary and Uterus of Wistar rats. Journal of Trace Elements in Medicine and Biology. 2017; 44:349-355. DOI: 10.1016/j.jtemb.2017.09.011; ISSN: 0946-672X. **IF(2016)=3.225.**
3. Mhamdi M, Florea A, Badri N, Maghraoui S, **Matei H**, Tekaya WH, Bâati R, Tekaya L. The Role of Lysosomes in the Phenomenon of Concentration of Aluminum and Indium in the Female Reproductive System. An Ultrastructural Study. Journal of Trace Elements in Medicine and Biology. 2017;44:59-64. DOI 10.1016/j.jtemb.2017.05.009; ISSN: 0946-672X. **IF(2016)=3.225.**
4. Orza A, Mișu C, Sorișău O, Diudea M, Florea A, **Matei H**, Bâlici Ș, Mudalige T, Kanarpardiy G, Biris A. Multistructural Biomimetic Substrates for Controlled Cellular Differentiation. Nanotechnology. 2014; 25(6). Article Number: 065102. WOS:000330194800002; DOI: 10.1088/0957-4484/25/6/065102; ISSN: 0957-4484, eISSN: 1361-6528. **IF(2014)=3.821.**
5. Orza A, Pruneanu S, Sorișău O, Borodi G, Florea A, Bâlici Ș, **Matei H**, Olenic L. Single-Step Synthesis of Gold Nanowires Using Biomolecules as Capping Agent/Template: Applications for Tissue Engineering. Particulate Science and Technology. 2013;31(6): 658-662. WOS:000324977800016; DOI: 10.1080/02726351.2013.831151; ISSN: 0272-6351, eISSN: 1548-0046. **IF(2013)=0.482.**

6. Pop AR, Miclaus V, Ciupe S, Mutiu G, Borzan M, Rus V, **Matei H**, Groza IS. Evaluation of the Gametotoxic Effect of Nandrolone Decanoate on the Gametogenic Function of Male Rabbit. *Revista Română de Medicină de Laborator*. 2013;21(2):171-177. WOS:000321230000005; DOI: 10.2478/rrlm-2013-0009; ISSN: 1841-6624. **IF(2013)=0.171**.
7. Wankeu-Nya M, Florea A, Bâlici Ș, Watcho P, **Matei H**, Kamanyi A. *Dracaena arborea* Alleviates Ultra-Structural Spermatogenic Alterations in Streptozotocin-Induced Diabetic Rats. *BMC Complementary and Alternative Medicine*. 2013;13:71. WOS:000317366800001; DOI: 10.1186/1472-6882-13-71; ISSN: 1472-6882. **IF(2013)=1.877**.
8. Chiș A, Fetea F, **Matei H**, Socaciu C. Evaluation of Hydrolytic Activity of Different Pectinases on Sugar Beet (*Beta Vulgaris*) Substrate Using FTIR Spectroscopy. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*. 2011;39(2):99-104. WOS:000297659600013; ISSN: 0255-965X. **IF(2011)=0.652**.
9. Predescu GL, Chiș A, Pall E, **Matei H**, Lyons ET, Predescu GG, Cozma V. The Concentration Determination and the Illustration of Proteic Fractions Obtained by Electrophoresis from the Total Triturate of *Fasciola Hepatica* Adult Parasites. *Scientica Parasitologica*. 2011;12(2):109-112. ISSN: 1582-1366. **ISI fără IF**.
10. Benga G, Chapman BE, **Matei H**, Cox C, Romeo T, Mironescu E, Kuchel PW. Comparative NMR Studies of Diffusional Water Permeability of Red Blood Cells from Different Species: XVI Dingo (*Canis Familiaris Dingo*) and Dog (*Canis Familiaris*). *Cell Biology International*. 2010;34(4):373-378. WOS:000277391700007; DOI: 10.1042/CBI20090006; ISSN: 1065-6995. **IF(2010)=1.747**.

Articole publicate *in extenso* în reviste non-ISI, dar indexate în baze de date internaționale (BDI)

1. Mhamdi M, Badri N, Florea A, **Matei H**, Maghraoui S, Tekaya L. The Effects of Gadolinium in the Uterus and in the Ovary of Pregnant Rat: Ultrastructural Study. *EC Gynaecology*. 2017;5(6):238-247.
2. Jeican II, **Matei H**, Istrate A, Mironescu E, Bâlici Ș. Changes Observed in Erythrocyte Cells Exposed to an Alternating Current. *Clujul Medical*. 2017;90(2):154-160. DOI: 10.15386/cjmed-696; ISSN: 1222-2119, eISSN: 2066-8872. (PubMed)
3. Năsălean A, Ognean L, Muntean S, Bâlici Ș, **Matei H**. Comparative Analysis of Electrophoretic Profile of Major Proteins of Milk from Alpine and Carpathian Goats. *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Veterinary Medicine*. 2017;74(1):20-25. DOI:10.15835/buasvmcn-vm: 12447; ISSN: 1843-5270; eISSN 1843-5378.
4. Vică ML, Junie LM, Tătaru A, Grad AI, **Matei HV**. Simultaneous PCR-Based Detection of Six Pathogens Inducing Sexually Transmitted Diseases. *Journal of Clinical and Laboratory Investigation Updates*. 2015;3(1):11-16. ISSN: 2310-9556.
5. Grad AI, Vică ML, **Matei HV**, Grad DL, Coman I, Tătaru DA. Polymerase Chain Reaction as a Diagnostic Tool for Six Sexually Transmitted Infections – Preliminary Results. *Clujul Medical*. 2015; 88(1):33-37. DOI: 10.15386 /cjmed-373; ISSN: 1222-2119, eISSN: 2066-8872. (PubMed)

6. Taoutaou A, Socaciu C, Pamfil D, Balazs E, Botez C, Chiş A, **Matei H**. Protein Expression in Some Susceptible Potato Late Blight Genotypes. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Agriculture. 2011;68(1):363-367. DOI: 10.15835/buasvmcn-agr: 6467; ISSN: 1843-5246, eISSN: 1843-5386.
7. Cheşcă A, Moga MA, Tilinca M, **Matei H**. The Structural and Ultrastructural Particularities of the Myometrium Architecture. Archives of The Balkan Medical Union. 2010;45(1): 64-68. ISSN:0041-6940.
8. **Matei H**, Chiş A, Florea A. Diagnosis of Hemolytic Anemias Due to Defects in Membrane Cytoskeleton by Polyacrylamide Gel Electrophoresis: A Case Study – Absence of Ankyrin. Annals of The Romanian Society for Cell Biology. 2009;XIV(2):93-96. Accession Number: 46035856, conform bazei de date <http://eds.b.ebscohost.com>; ISSN: 1583-6258, ISSN: 2067-3019.

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1. **Matei HV**, Siserman C, Cîmpianu ME, Vică ML. Comparative Study of the HLA alleles' Frequencies in Romania and Europe. International Journal of Molecular Medicine. 2017 Oct; 40(S1):120. ISSN: 1107-3756, eISSN: 1791-244X.
2. Vică ML, Junie LM, **Matei HV**. Association of STD Pathogens via Multiplex PCR Detection. International Journal of Molecular Medicine. 2017 Oct; 40(S1):119. ISSN: 1107-3756, eISSN: 1791-244X.
3. Vică ML, Junie LM, **Matei HV**. Determining *Neisseria gonorrhoeae* Susceptibility to Ciprofloxacin in Urine Samples using PCR Techniques. International Journal of Molecular Medicine. 2016 Oct; 38(S1):59. ISSN: 1107-3756, eISSN: 1791-244X.
4. **Matei HV**, Siserman C, Vică ML. The Association of HLA Class II Alleles with Hepatitis B in a Romanian Population Sample. International Journal of Molecular Medicine. 2015 Oct; 36(S1):93. ISSN: 1107-3756, eISSN: 1791-244X.
5. Vică ML, Junie LM, **Matei HV**. Determination of the Frequency of STDs using the PCR Technique. International Journal of Molecular Medicine. 2015 Oct; 36(S1):93. ISSN: 1107-3756, eISSN: 1791-244X.

Cărți publicate

1. **Horea-Vladi Matei**, Mihaela-Laura Vică. Protocoale de Extracție și Purificare a Acizilor Nucleici. Editura Medicală Universitară „Iuliu Hațieganu”, Cluj-Napoca, **2016**. ISBN 978-973-693-715-6. (125 pagini)
2. **Horea Matei**. Proteinele din Membrana Eritocitară. Editura Medicală Universitară „Iuliu Hațieganu”, Cluj-Napoca, **2005**. ISBN 973-693-086-6. (231 pagini)

Capitole din cărți publicate

1. Mihaela-Laura Vică, **Horea-Vladi Matei**, Costel Vasile Siserman. Determining the Antibiotic Resistance of Bacterial Pathogens in Sexually Transmitted Diseases. In: Ranjith N. Kumavath, ed. Antibacterial Agents. InTech d.o.o. Press, Rijeka, Croația; **2017**. p. 109-127. DOI: 10.5772/65630; ISBN 978-953-51-3199-1, eISBN 978-953-51-3200-4.
2. Mihaela-Laura Vică, **Horea-Vladi Matei**, Costel Vasile Siserman. The Advantages of Using Multiplex PCR for the Simultaneous Detection of Six Sexually Transmitted Diseases. In: Ali Samadikuchaksaraei, ed. Polymerase Chain Reaction for Biomedical Applications. InTech d.o.o. Press, Rijeka, Croația; **2016**. p. 83-100. ISBN 978-953-51-2795-6, eISBN 978-953-51-2796-3.
3. **Horea Matei**. Implications of the Erythrocyte Membrane Cytoskeleton in Microcitary Anaemia. In: Antonella Cheșcă and Melek Öztürk, eds. Methods for Cellular and Molecular Diagnostics in Human Pathology. University Press House, Istanbul, Turcia; **2011**. p.77- 93. ISBN 978-975-404-895-7.

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