

Listă publicații 2019

dr. Maria Suci

a) lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar și care se pot regăsi și în celelalte categorii de lucrări

1. **Suciu M**, Mic AF, Barbu-Tudoran L, Muntean V, Gruia AT, 2017, Effects of *Lycopodium clavatum* and *Equisetum arvense* Extracts from Western Romania. Romanian Biotechnological Letters, 22(5):13005
2. Nyúl-Tóth A, **Suciu M**, Molnár J, Fazakas C, Haskó J, Herman H, Farkas AE, Kaszaki J, Hermenean A, Wilhelm I, Krizbai IA, 2016, Differences in the molecular structure of the blood-brain barrier in the cerebral cortex and white matter: an *in silico*, *in vitro* and *ex vivo* study. American Journal of Physiology- Heart and Circulatory Physiology, 310(11):H1702-H1714.
3. Azghadi SM, **Suciu M**, Gruia AT, Barbu-Tudoran L, Cristea MI, Mic AA, Muntean D, Nica DV, Mic FA, 2016, Mesenchymal stromal cells support the viability and differentiation of thymocytes through direct contact in autologous co-cultures. Histochem Cell Biol., 146(2):153-65.
4. **Suciu M**, Gruia AT, Nica DV, Azghadi SMR, Mic AA, Mic AF, 2016, Acetaminophen-induced liver injury: Implications for temporal homeostasis of lipid metabolism and eicosanoid signaling pathway. Chemico-Biological Interactions 242: 335e344.
5. Cernat A, Tertis M, Gandouzi I, Bakhrouf A, **Suciu M**, Cristea C, 2018, Electrochemical sensor for the rapid detection of *Pseudomonas aeruginosa* siderophore based on a nanocomposite platform. Electrochemistry Communications, 88:5-9.
6. Petran A, Radu T, Borodi G, Nan A, **Suciu M**, Turcu R, 2018, Effects of rare earth doping on multi-core iron oxide nanoparticles properties. Applied Surface Science, 428:492-499.
7. Petran A, Radu T, Nan A, Olteanu D, Filip A, Clichici S, Baldea I, **Suciu M**, Turcu R, 2017, Synthesis, characterization, and cytotoxicity evaluation of high-magnetization multifunctional nanoclusters. Journal of Nanoparticle Research, 19(1): DOI: 10.1007/s11051-016-3685-6
8. Tertiş M, , Cernata A, , Lacatiş D, Florea A, Bogdan D, **Suciu M**, Săndulescu R, Cristea C, 2017, Highly selective electrochemical detection of serotonin on polypyrrole and gold nanoparticles-based 3D architecture. Electrochemistry Communications 75:43–47
9. Gruia AT, **Suciu M**, Barbu-Tudoran L, Azghadi SMR, Cristea MI, Nica DV, Vaduva A, Muntean D, Mic AA, Mic FA, 2015, Mesenchymal stromal cells differentiating to adipocytes accumulate autophagic vesicles instead of functional lipid droplets. Journal of Cellular Physiology, 231(4):863-875.
10. Folk A, Cotoraci C, Balta C, **Suciu M**, Herman H, Boldura OM, Dinescu S, Paiusan L, Ardelean A, Hermenean A, 2016, Evaluation of Hepatotoxicity with Treatment Doses of Flucytosine and Amphotericin B for Invasive Fungal Infections. BioMed Research International, 2016:5398730.

b) teza sau tezele de doctorat

Titlul tezei de doctorat: “Efectul hepatoprotector al unor plante din flora spontana a judetului Arad”

Conducător științific: Prof. dr. Aurel Ardelean

Susținută la: 29 septembrie 2013

Ordinul Ministrului Educației și Tineretului nr. 5581MD din 03.12.2013

Diploma de doctor nr. 18 din 10.03.2014

c) brevete de invenție și alte titluri de proprietate industrială

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d) cărți și capitole în cărți

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e) articole/studii, publicate în reviste din fluxul științific internațional principal

Lista completa, care cuprinde și cele 10 lucrări considerate cele mai importante de la punctul a)

Articole în reviste cotate ISI, ca și autor principal

1. Rada S, Zagrai M, Rada M, Magerusan L, Popa A, Suciú R, Macavei S, **Suciú M**, 2018, Structure, electrochemical characterization and the role of copper oxide in lead-lead dioxide glasses and vitroceraamics. *Journal of Non-Crystalline Solids*, 491:55-63.
2. **Suciú M**, Mic AF, Barbu-Tudoran L, Muntean V, Gruia AT, 2017, Effects of *Lycopodium clavatum* and *Equisetum arvense* Extracts from Western Romania. *Romanian Biotechnological Letters*, 22(5):13005
3. Nyúl-Tóth A, **Suciú M**, Molnár J, Fazakas C, Haskó J, Herman H, Farkas AE, Kaszaki J, Hermenean A, Wilhelm I, Krizbai IA, 2016, Differences in the molecular structure of the blood-brain barrier in the cerebral cortex and white matter: an *in silico*, *in vitro* and *ex vivo* study. *American Journal of Physiology- Heart and Circulatory Physiology*, 310(11):H1702-H1714.
4. Azghadi SM, **Suciú M**, Gruia AT, Barbu-Tudoran L, Cristea MI, Mic AA, Muntean D, Nica DV, Mic FA, 2016, Mesenchymal stromal cells support the viability and differentiation of thymocytes through direct contact in autologous co-cultures. *Histochem Cell Biol.*, 146(2):153-65.
5. **Suciú M**, Gruia AT, Nica DV, Azghadi SMR, Mic AA, Mic AF, 2016, Acetaminophen-induced liver injury: Implications for temporal homeostasis of lipid metabolism and eicosanoid signaling pathway. *Chemico-Biological Interactions* 242: 335e344.

Articole în reviste cotate ISI, ca și contributor

6. Rápó E, Szép R, Keresztesi Á, **Suciú M**, Tonk S, 2018, Adsorptive Removal of Cationic and Anionic Dyes from Aqueous Solutions by Using Eggshell Household Waste as Biosorbent. *Acta Chimica Slovenica*, 65(3): 709–717.
7. Iordănescu A, Tertis M, Cernat A, **Suciú M**, Săndulescu R, Cristea C, 2018, Poly-(pyrrole-3-carboxylic acid) Based Nanostructured Platform for the Detection of Carcinoembryonic Antigen. *Electroanalysis*, 30(6):1100-1106.
8. Cernat A, Tertis M, Gandouzi I, Bakhrouf A, **Suciú M**, Cristea C, 2018, Electrochemical sensor for the rapid detection of *Pseudomonas aeruginosa* siderophore based on a nanocomposite platform. *Electrochemistry Communications*, 88:5-9.
9. Petran A, Radu T, Borodi G, Nan A, **Suciú M**, Turcu R, 2018, Effects of rare earth doping on multi-core iron oxide nanoparticles properties. *Applied Surface Science*, 428:492-499.
10. Petran A, Radu T, Nan A, Olteanu D, Filip A, Clichici S, Baldea I, **Suciú M**, Turcu R, 2017, Synthesis, characterization, and cytotoxicity evaluation of high-magnetization multifunctional nanoclusters. *Journal of Nanoparticle Research*, 19(1): DOI: 10.1007/s11051-016-3685-6
11. Tertiş M, , Cernata A, , Lacatiş D, Florea A, Bogdan D, **Suciú M**, Săndulescu R, Cristea C, 2017, Highly selective electrochemical detection of serotonin on polypyrrole and gold nanoparticles-based 3D architecture. *Electrochemistry Communications* 75:43–47.
12. Suciú RC, Rada M, Culea E, Biriş AI, Rada S, Leostean C, **Suciú M**, Marian I, Wu ZH, Jing Z, 2017, The status of molybdenum ions in the lead dioxide-lead glasses and vitroceraamics. *J. Non-Cryst. Solids*, 453:36–41.
13. Dull-Szabo TA, Fustos, Fustos ME, **Suciú M**, Katona, G, 2017, Synthesis and Characterization Of Derivatized Carbon Nanostructures. *Studia Universitatis Babes-Bolyai Chemia*, 62(2):223-232.
14. Tertiş M, Ciui B, **Suciú M**, Săndulescu R, Cristea C, 2017, Label-free electrochemical aptasensor based on gold and polypyrrole nanoparticles for interleukin 6 detection. *Electrochimica Acta*, 258:1208-1218.
15. Tonk S, Majdik C, Szep R, **Suciú M**, Rapo E, Nagy B, Niculae AG, 2017, Biosorption of Cd (II) Ions from Aqueous Solution Onto Eggshell Waste Kinetic and equilibrium isotherm studies, *Revista de Chimie*, 68(9):1951-1958.

16. Nica D, Popescu C, Draghici G, Privistirescu I, **Suciu M**, Stöger R, 2017, Effect of cadmium on cytosine hydroxymethylation in gastropod hepatopancreas. *Environmental Science and Pollution Research*, 24(17):15187-15195.
17. Zaulet M, Kevorkian SEM, Dinescu S, Cotoraci C, **Suciu M**, Herman H, Buburuzan L, Badulescu L, Aurel Ardelean, Hermenean A, 2017, Protective effects of silymarin against bisphenol A-induced hepatotoxicity in mouse liver. *Experimental and therapeutic medicine*, 13(3):821-828.
18. Folk A, Cotoraci C, Balta C, **Suciu M**, Herman H, Boldura OM, Dinescu S, Paiusan L, Ardelean A, Hermenean A, 2016, Evaluation of Hepatotoxicity with Treatment Doses of Flucytosine and Amphotericin B for Invasive Fungal Infections. *BioMed Research International*, 2016:5398730.
19. Gruia AT, **Suciu M**, Barbu-Tudoran L, Azghadi SMR, Cristea MI, Nica DV, Vaduva A, Muntean D, Mic AA, Mic FA, 2015, Mesenchymal stromal cells differentiating to adipocytes accumulate autophagic vesicles instead of functional lipid droplets. *Journal of Cellular Physiology*, 231(4):863-875.
20. Anghel N, C. Cotoraci, A. Ivan, **M. Suciu**, H. Herman, C. Balta, L. Nicolescu, T. Olariu, Z. Galajda, A. Ardelean, A. Hermenean, 2015, Chrysin attenuates cardiomyocyte apoptosis and loss of intermediate filaments in a mouse model of mitoxantrone cardiotoxicity. *Histol Histopathol.* 30(12):1465-75.

Articole în reviste indexate BDI, ca autor principal

21. Macavei SG, **Suciu M**, Crăciunescu I, Barbu-Tudoran L, Tripon SC, 2017, SPION size dependent effects on normal and cancer cells, *Studia Universitatis Babes-Bolyai Biologia*, LXII(1):29-42.
22. Macavei SG, **Suciu M**, Craciunescu I, Barbu-Tudoran L, Tripon SC, Balan R, 2016, Hyperthermia effects on normal and tumor skin cells, *Annals of R.S.C.B.*, XXI(1):11 – 21
23. **Suciu M**, Gruia AT, Nica DV, Azghadi SMR, Mic AA, Mic AF, 2016, Data on expression of lipoxygenases-5 and-12 in the normal and acetaminophen-damaged liver, *Data in Brief*, 7: 1199–1203.
24. **Suciu M**, Craciun C, Barbu-Tudoran L, 2015, High resolution detail of differences between the exocrine pancreas porosome and the neuronal porosome, *Journal of Biological Physics and Chemistry* 15:15–18.
25. **Suciu M**, Ardelean A, Hermenean A, 2015, Brain Capillaries: Heterogeneity is The Word Of Order, *Arad Medical Journal*, XVIII(1):61-66.
26. **Suciu M**, Gruia AT, Mic AF, Barbu-Tudoran L, Ardelean A, 2013, *Gentiana asclepiadea* Ethanolic Extract Hepatotoxicity, *Annals of RSCB*, XVIII(1):255-61.
27. **Suciu M**, Scurtu I, Ardelean A, 2011, Liver and Immunity, *Physiology*, 73:27-31.
28. **Suciu M**, Gruia AT, Mic AF, Barbu-Tudoran L, Muntean V, Ardelean A, 2012, Hepatoprotective and Antimicrobial Effects of *Gentiana asclepiadea* Ethanolic Extract: Preliminary Results, *Annals of RSCB*, XVII(2):207-12.
29. **Suciu M**, Ardelean A, 2012, Review: Hepatoprotective And Microbiological Studies Of Three Genera: *Equisetum*, *Lycopodium*, and *Gentiana*, *AUOFB*, XIX(2):116-122

Articole în reviste indexate BDI, ca și contributor

30. Wilhelm I, Nyúl-Tóth Á, **Suciu M**, Hermenean A, Krizbai IA, 2016, Heterogeneity of the blood-brain barrier, *Tissue Barriers*, 4(1):e1143544.
31. Mic AA, Gruia AT, **Suciu M**, Azghadi SMR, Mic AF, 2015, Diabetes impairs thymocyte proliferation and causes thymocyte apoptosis with subsequent thymus involution in mouse, *Annals of RSCB*, XIX(3):21 – 33.

f) publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate;

g) alte lucrări și contribuții științifice sau, după caz, din domeniul creației artistice.