

## MARIA SUCIU, Asist. dr.



### Lucrari practice predate:

- Citologie generala
- Biologie celulara si moleculara

### Tematici de interes în cercetare:

- Microscopie electronica cu aplicatii in biologie celulara si stiinta materialelor
- Interactiunea nanoparticule - celule vii

### Publicații recente

S. Rada, M. Zagrai, M. Rada, L. Magerusan, A. Popa, R. Suciú, S. Macavei, M. Suciú: *Structure, electrochemical characterization and the role of copper oxide in lead-lead dioxide glasses and vitroceramics*. Journal of Non-Crystalline Solids 07/2018; 491:55-63., DOI:10.1016/j.jnoncrysol.2018.04.001

Andreea Iordănescu, Mihaela Tertis, Andreea Cernat, Maria Suciú, Robert Săndulescu, Cecilia Cristea: *Poly-(pyrrole-3-carboxylic acid) Based Nanostructured Platform for the Detection of Carcinoembryonic Antigen*. Electroanalysis 02/2018; 30(6)., DOI:10.1002/elan.201700803

Andreea Cernat, Mihaela Tertis, Islem Gandouzi, Amina Bakhrouf, Maria Suciú, Cecilia Cristea: *Electrochemical sensor for the rapid detection of Pseudomonas aeruginosa siderophore based on a nanocomposite platform*. Electrochemistry Communications 01/2018; 88:5-9., DOI:10.1016/j.elecom.2018.01.009

- Mihaela Tertis, Bianca Ciui, Maria Suciu, Robert Sandulescu, Cecilia Cristea: *Label-free electrochemical aptasensor based on gold and polypyrrole nanoparticles for interleukin 6 detection*. *Electrochimica Acta* 12/2017; 258., DOI:10.1016/j.electacta.2017.11.176
- MARIA SUCIU, FELIX AUREL MIC, LUCIAN BARBU-TUDORAN, VASILE MUNTEAN, ALEXANDRA TEODORA GRUIA: *Effects of Lycopodium clavatum and Equisetum arvense extracts from Western Romania*. *Romanian Biotechnological Letters* 11/2017; 22(5)., DOI:10.26327/RBL2017.46
- Anca Petran, Teodora Radu, Gheorghe Borodi, Alexandrina Nan, Maria Suciu, Rodica Turcu: *Effects of rare earth doping on multi-core iron oxide nanoparticles properties*. *Applied Surface Science* 09/2017; 428., DOI:10.1016/j.apsusc.2017.09.160
- Timea-Anita Dull-Szabó, Melinda-Emese Füstös, Maria Suciu, Gabriel Katona: *Synthesis and Characterization of Derivatized Carbon Nanostructures*. *Studia Universitatis Babeş-Bolyai Chemia* 06/2017; 62(2):223-232., DOI:10.24193/subbchem.2017.2.17
- Sergiu Gabriel Macavei, Maria Suciu, Izabell Crăciunescu, Lucian Barbu-Tudoran, Septimiu Cassian Tripon, Cristian Leoştean, Radu Bălan: *SPION size dependent effects on normal and cancer cells*. DOI:10.24193/subbb.2017.1.02
- Dragos Nica, Cristina Popescu, George Draghici, Ionela Privistirescu, Maria Suciu, Reinhard Stöger: *Effect of cadmium on cytosine hydroxymethylation in gastropod hepatopancreas*. *Environmental Science and Pollution Research* 05/2017; 24(3)., DOI:10.1007/s11356-017-9104-4
- Z. Diaconeasa, D. Rugină, C. Coman, C. Socaciu, L.F. Leopold, A Vulpoi, F. Tăbăran, M. Suciu, A. Mesaroş, L. Mirea Popa, O.L. Pop, S. Simon, A. Pintea: *New insights regarding the selectivity and the uptake potential of nanoceria by human cells*. *Colloids and Surfaces A Physicochemical and Engineering Aspects* 05/2017;, DOI:10.1016/j.colsurfa.2017.05.081
- Mihaela Zaulet, Steliana Elvira Maria Kevorkian, Sorina Dinescu, Coralia Cotoraci, Maria Suciu, Hildegard Herman, Laura Buburuzan, Liliana Badulescu, Aurel Ardelean, Anca Hermenean: *Protective effects of silymarin against bisphenol A-induced hepatotoxicity in mouse liver*. *Experimental and therapeutic medicine* 01/2017; 13(3)., DOI:10.3892/etm.2017.4066
- Anca Petran, Teodora Radu, Alexandrina Nan, Diana Olteanu, Adriana Filip, Simona Clichici, Ioana Baldea, Maria Suciu, Rodica Turcu: *Synthesis, characterization, and cytotoxicity evaluation of high-magnetization multifunctional nanoclusters*. *Journal of Nanoparticle Research* 01/2017; 19(1)., DOI:10.1007/s11051-016-3685-6
- Mihaela Tertis, Andreea Cernat, Daniela Lacatis, Anca Florea, Diana Bogdan, Maria Suciu, Robert Sandulescu, Cecilia Cristea: *Highly selective electrochemical detection of serotonin on polypyrrole and gold nanoparticles-based 3D architecture*. *Electrochemistry Communications* 12/2016; 75., DOI:10.1016/j.elecom.2016.12.015
- R.C. Suciu, M. Rada, E. Culea, Al. Biriş, S. Rada, C. Leostean, M. Suciu, I. Marian, Z.H. Wu, Z. Jing: *The status of molybdenum ions in the lead dioxide-lead glasses and vitrocaramics*. *Journal of Non-Crystalline Solids* 12/2016; 453., DOI:10.1016/j.jnoncrsol.2016.09.024
- Seyed Mohammad Reza Azghadi, Maria Suciu, Alexandra Teodora Gruia, Lucian Barbu-Tudoran, Mirabela Iustina Cristea, Ani Aurora Mic, Danina Muntean, Dragos Vasile Nica, Felix Aurel Mic: *Mesenchymal*

*stromal cells support the viability and differentiation of thymocytes through direct contact in autologous co-cultures.* Histochemie 04/2016; 146(2)., DOI:10.1007/s00418-016-1430-y

Ádám Nyúl-Tóth, Maria Suciu, Judit Molnár, Csilla Fazakas, János Haskó, Hildegard Herman, Attila E Farkas, József Kaszaki, Anca Hermenean, Imola Wilhelm, István A Krizbai: *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.* AJP Heart and Circulatory Physiology 04/2016; 310(11):ajpheart.00774.2015., DOI:10.1152/ajpheart.00774.2015

Maria Suciu, Alexandra T Gruia, Dragos V Nica, Seyed MR Azghadi, Ani A Mic, Felix A Mic: *Data on expression of lipoxygenases-5 and -12 in the normal and acetaminophen-damaged liver.* Data in Brief 03/2016; 7(C)., DOI:10.1016/j.dib.2016.03.079

Alexandra Folk, Coralia Cotoraci, Cornel Balta, Maria Suciu, Hildegard Herman, Oana Maria Boldura, Sorina Dinescu, Lucian Paiusan, Aurel Ardelean, Anca Hermenean: *Evaluation of Hepatotoxicity with Treatment Doses of Flucytosine and Amphotericin B for Invasive Fungal Infections.* BioMed Research International 02/2016; 2016(3):1-9., DOI:10.1155/2016/5398730

Imola Wilhelm, Ádám Nyúl-Tóth, Maria Suciu, Anca Hermenean, István A. Krizbai: *Heterogeneity of the blood-brain barrier.* 01/2016; 4(1):00-00., DOI:10.1080/21688370.2016.1143544

Maria Suciu, Alexandra T Gruia, Dragos V Nica, Seyed Mr Azghadi, Ani A Mic, Felix A Mic: *Acetaminophen-induced liver injury: Implications for temporal homeostasis of lipid metabolism and eicosanoid signaling pathway.* Chemico-biological interactions 11/2015; 242., DOI:10.1016/j.cbi.2015.10.019

Alexandra T. Gruia, Maria Suciu, Lucian Barbu-Tudoran, Seyed Mohammad Reza Azghadi, Mirabela I. Cristea, Dragos V. Nica, Adrian Vaduva, Danina Muntean, Ani Aurora Mic, Felix A. Mic: *Mesenchymal Stromal Cells Differentiating to Adipocytes Accumulate Autophagic Vesicles Instead of Functional Lipid Droplets.* Journal of Cellular Physiology 09/2015;, DOI:10.1002/jcp.25177

A.A. Mic, A.T. Gruia, M. Suciu, S.M.R. Azghadi, F.A. Mic: *Diabetes impairs thymocyte proliferation and causes thymocyte apoptosis with subsequent thymus involution in mouse.* Annals of the Romanian Society for Cell Biology 08/2015; 19(3):21-33.

N Anghel, C.A. Cotoraci, A Ivan, M Suciu, H Herman, C Balta, L Nicolescu, T Olariu, Z Galajda, A Ardelean, A Hermenean: *Chrysin attenuates cardiomyocyte apoptosis and loss of desmin filaments in a mouse model of mitoxantrone cardiotoxicity.* Histology and histopathology 06/2015; 238(2):11641., DOI:10.14670/HH-11-641

M. Suciu, C. Craciun, L. Barbu-Tudoran: *High resolution detail of differences between the exocrine pancreas porosome and the neuronal porosome.* Journal of Biological Physics and Chemistry 03/2015; 15(1):15-18., DOI:10.4024/27SU14M.jbpc.15.01

N. Anghel, C. Cotoraci, A. Ivan, M. Suciu, H. Herman, C. Balta, L. Nicolescu, T. Olariu, Z. Galajda, A. Ardelean, A. Hermenean: *Chrysin attenuates cardiomyocyte apoptosis and loss of intermediate filaments in a mouse model of mitoxantrone cardiotoxicity.* Histology and histopathology 01/2015; 26.

Alexandra T. Gruia, Maria Suciu, Lucian Barbu-Tudoran, Seyed Mohammad Reza Azghadi, Mirabela I. Cristea, Dragos V. Nica, Adrian Vaduva, Danina Muntean, Ani Aurora Mic, Felix A. Mic: *Mesenchymal Stromal Cells Differentiating to Adipocytes Accumulate Autophagic Vesicles Instead of Functional Lipid Droplets.* Journal of Cellular Physiology 01/2015;

M. Suciu, A.T. Gruia, F.A. Mic, L. Barbu-Tudoran, A. Ardelean: *Gentiana asclepiadea* ethanolic extract hepatotoxicity. Annals of the Romanian Society for Cell Biology 01/2013; 18(1):255-261.

M. Suciu, A.T. Gruia, F.A. Mic, L. Barbu-Tudoran, V. Muntean, A. Ardelean: *Preliminary results on study of the hepatoprotective and antimicrobial effects of Gentiana Asclepiadea ethanolic extract*. Annals of the Romanian Society for Cell Biology 01/2012; 17(2):207-212.

### **Cărți, manuale, materiale didactice**

1. Lucrari practice de Citologie Generala
2. Lucrari practice de Biologie Celulara si Moleculara
3. mulaje de biologie pentru licee
4. filmulete educative pentru liceeni si studenti

### **Linkuri web de interes:**

- **Pagina web personala:**  
[https://www.researchgate.net/profile/Maria\\_Suciu3](https://www.researchgate.net/profile/Maria_Suciu3)  
<https://scholar.google.ro/citations?user=v-lF0uoAAAAJ&hl=en&oi=ao>  
<https://orcid.org/0000-0001-5449-9108>
- **Pagina Grupului de Cercetare:**  
<http://poravpaul.wixsite.com/cellspion>
- **Pagina echipamentelor gestionate:** <https://erris.gov.ro/Cell-Cultr-Microbio-Labs>