

LISTA DE LUCRĂRI

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Şef de lucr. dr. Mocanu Maria-Magdalena

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1 Lista celor 10 lucrări relevante

1. **M.M. Mocanu**, C. Ganea, L. Georgescu, T. Varadi, D. Shrestha, I. Baran, E. Katona, P. Nagy, J. Szöllősi, Epigallocatechin-gallate determines ErbB proteins downregulation, cell death mediated by 67kDa laminin receptor and altered lipid order in mammary and epidermoid carcinoma cells, **J. Nat. Prod.**, 2014, IF: **3.285** (sc: 1.588)
2. **Mocanu MM**, Ganea C, Siposova K, Filippi A, Demjen E, Marek J, Bednarikova Z, Antosova A, Baran I, Gazova Z, Polymorphism of HEW lysozyme amyloid fibrils influences the cytotoxicity in LLC-PK1 epithelial kidney cells, **International Journal of Biological Macromolecules**, 2014, IF: **2.596** (sc: 0.652)
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4. Irina Baran, Diana Ionescu, Simona Privitera, Agata Scordino, **Maria Magdalena Mocanu**, Francesco Musumeci, Rosaria Grasso, Marisa Gulino, Adrian Iftime, Ioana Teodora Tofolean, Alexandru Garaiman, Alexandru Goicea, Ruxandra Irimia, Alexandru Dimancea, Constanta Ganea, *Mitochondrial respiratory Complex I probed by delayed luminescence spectroscopy*, **Journal of Biomedical Optics**, 2013, 18 (12), 127006, DOI: 10.1117/1.JBO.18.12.127006, IF: **2.881** (sc: 2.562)
5. **Mocanu MM**, Váradi T, Szöllősi J, Nagy P. Comparative analysis of fluorescence resonance energy transfer (FRET) and proximity ligation assay (PLA). **Proteomics**, 2011 May; 11(10):2063-70. IF: **4.426** (sc: 1.701)
6. Baran I, Ganea G, Scordino A, Musumeci F, Barresi V, Tudisco S, Privitera S, Grasso R, Condorelli DF, Ursu I, Baran V, Katona E, **Mocanu MM**, Gulino M, Ungureanu R, Surcel M, Ursaciuc C. "Effects of menadione, hydrogen peroxide, and quercetin on apoptosis and delayed luminescence of human leukemia Jurkat T-cells", **Cell Biochem Biophys.**, 2010 Dec; 58(3):169-79. IF: **3.337** (sc: 1.169)
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8. Eckermann K., **Mocanu M.M.**, Khlistunova I., Nissen A., Hofmann A., Zhou L., Rune G., Mandelkow E., Mandelkow E.M., „The beta-Propensity of Tau Determines Aggregation and Synaptic Loss in Inducible Mouse Models of Tauopathy“, **JBC**, 2007 Oct 26;282(43):31755-65. IF: **5.676** (sc: 2.369)
9. Goldsbury C., **Mocanu M.M.**, Thies E., Kaether C., Haass C., Keller P., Biernat J., Mandelkow E., Mandelkow E.M., "Inhibition of APP trafficking by tau protein does not increase the generation of amyloid-beta peptides", **Traffic**. 2006 Jul;7(7):873-88. IF: **6.612** (sc: 2.187)
10. **M.M. Mocanu**, Zs. Fazekas, M. Petras, P. Nagy, Zs. Sebestyen, J. Isola, J. Timar, J. W. Park, G. Vereb, J. Szollosi, "Association of ErbB2, beta1-integrin and lipid rafts on Herceptin (Trastuzumab) resistant and sensitive tumor cells", **Cancer Letters**, 2005 IF: **3.049** (sc: 1.529)

2 Teza de doctorat

Titlul tezei de doctorat: Oncoproteina ErbB2 și integrinele în cancerul mamar și gastric

Conducător științific: Prof. univ. dr. doc. Dumitru Mișcalencu – Facultatea de Biologie, Universitatea din București

Eliberarea diplomei de doctor: 31.05.2005

3 Cărți, capitole din cărți

1. J. Vinersan, D. Ionescu, D. Sulica, O. Doagă, I. Băran, **M. Mocanu**, *Teste pentru admitere în învățământul superior medical – Fizică*, Ed. Universitară "Carol Davila", 2013, ISBN: 978-973-708-727-0
2. I. Baran, O. Călinescu, D. Ionescu, A. Iftime, **M. Mocanu**, L. Nisiparu, S. Omer, M. Onu, D. Sulica, J. Vinersan, *Lucrări practice de biofizică și fizica medicală*, Ed. Universitară "Carol Davila", 2013, ISBN: 978-973-708-710-2
3. J. Vinersan, D. Sulica, **M. Mocanu**, A. Iftime, D. Ionescu, A. Popescu, M. Onu, L. Nisiparu, *Biofizică Medicală, Teste grilă cu rezolvări*, Ed. Universitară Carol Davila București, 2010, ISBN: 978-973-708-517-7
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4 Articole/studii in extenso publicate în reviste cotate ISI, indexate PubMed sau alte BDI, CNCS

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1. **M.M. Mocanu**, C. Ganea, L. Georgescu, T. Varadi, D. Shrestha, I. Baran, E. Katona, P. Nagy, J. Szöllösi, Epigallocatechin gallate determines ErbB proteins downregulation, cell death mediated by 67kDa laminin receptor and altered lipid order in mammary and epidermoid carcinoma cells, **J. Nat. Prod.**, 2014, IF: **3.285** (sc: 1.588)
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3. Irina Baran, Diana Ionescu, Adrian Iftime, Ioana Teodora Tofolean, Ruxandra Irimia, Alexandru Goicea, Alexandru Dimancea, Andrei Neagu, Constanta Ganea, *Novel insights into the antiproliferative effect of quercetin, menadione and rotenone in human leukemia Jurkat T cells*, **Leukemia Research**, 2014 (IF: **2.764**) (is. 1.006)
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 13. Eckermann K., **Mocanu M.M.**, Khlistunova I., Nissen A., Hofmann A., Zhou L., Rune G., Mandelkow E., Mandelkow E.M., "The beta-Propensity of Tau Determines Aggregation and Synaptic Loss in Inducible Mouse Models of Tauopathy", *JBC*, 2007 Oct 26;282(43):31755-65. IF: **5.676** (sc: 2.369)
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4.2 Lucrări științifice in extenso în alte BDI, CNCS

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3. Gazova, Z., Siposova, K., Koneracka, M., Zavisova, V., Kopcansky, P., Filippi, A; Ganea, C; Baran, I.; **Mocanu, M-M**, Magnetic fluids attenuate the cytotoxic effect of amyloid fibrils, 22nd IUBMB Congress/37th FEBS Congress Location: Seville, SPAIN Date: SEP 04-09, 2012, **FEBS Journal** Volume: 279 Special Issue: SI Supplement: 1 Pages: 470-470 Published: SEP 2012 IF: **4.250** (sc: 1.237)

4. Varadi, T.; **Mocanu, M. M.**; Mersich, T.; et al., Binding of Trastuzumab to ErbB2 is Inhibited by a High Local Density of Hyaluronan **European Journal of Cancer** 2011, Volume: 47 Pages: S339-S339. IF: **4.781** (sc: 1.975)
5. **M. M. Mocanu**, L. Vlaicu, B. Andrei, R. P. Sinha, E. Radu, J. Horvath, E. Tanos and E. Katona, Low-power laser therapy effects on cell cycle progression, seen in Jurkat T cells, rezumat, P6-20, **FEBS Journal**, July 2009, Volume 276, Issue Supplement S1, Pages 170-170, ISSN: 742-464X, IF: **3.042** (sc: 1.237)
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7. Bobocea, E. Fertig, **M.M. Mocanu**, M. Pislea, T. Seremet, O. Doaga, E. Radu, J. Horvath, E. Tanos, L. Katona, E. Katona, Photobiomodulation of flavonoid effects on human T cells mitochondrial network state, rezumat, **Biochem.Biophys.Acta, Bioenergetics** 1777, Supplement EBEC, S50, 2008, ISSN: 0005-2728 IF: **4.305** (sc: 0.409)
8. **Tufeanu (Mocanu) M.M.**, Fazekas Z., Petras M., Isola J., Vereb G., Szollosi J., Association of ErbB2, beta 1 integrin and lipid rafts on tumor cells, rezumat, **Cytometry Part A**, 2004 59A (1), p. 79, ISSN: 1552-4930, IF: **2.115** (sc: 1.217)
9. G Katona, A. Caplanusi, S. Radesi, M. Dumitrescu, **M.M. Tufeanu (Mocanu)**, D. Ionescu, R. Matei, E. Katona, Survival/proliferation or apoptosis and calcium regulation in energy and/or nutrient restricted in human T cells, rezumat, **European Biophysics Journal**, 2003, 32 (3): 309. ISSN: 0175-7571, IF: **1.857** (sc: 1.028)

6 Alte lucrări și contribuții științifice

6.1 Lucrări științifice în rezumat în alte BDI, CNCS

1. **Mocanu MM**, Nagy P, Georgescu L, Varadi T, Shrestha D, Baran I, Katona E, Szollosi J, Ganea C, The effect of flavonoids in mammary and epidermoid tumor cells with ErbB proteins overexpression, oral communication, 8th International Conference "Structure and Stability of Biomacromolecules", **Book of Contributions SSB2013**, ISBN 978 – 80 – 89656 – 01 – 1.
2. **Mocanu MM**, Ganea C, Siposova K, Fillipi A, Radu E, Demjen E, Marek J, Bednarikova Z, Antosova A, Gazova Z, Distinct fibrils morphology induces different cytotoxicity in renal cells 8th International Conference "Structure and Stability of Biomacromolecules" (SSB 2013), **Book of Contributions SSB2013**, ISBN 978 – 80 – 89656 – 01 – 1.
3. **Mocanu MM**, Váradi T, Szöllősi J, Nagy P., Fluorescence resonance energy transfer (FRET) and proximity ligation assay (PLA): a comparative study, **Book of Contributions SSB2011**, ISBN 978 – 80 – 970779 – 0 – 7.
4. **Mocanu M.M.**, Ganea C., Siposova K., Baran I., Katona E., Gheorghiu M., Anotosova A., Gazova Z., Lysozyme amyloid fibrils inhibit the growing of LLC-PK1 renal cells, **Book of Contributions SSB2011**, ISBN 978 – 80 – 970779 – 0 – 7.
5. Siposova K., Mukova M., Lazova J., **Mocanu M.M.**, Ganea C., Anotosova A., Gazova Z., Cell viability in the presence of lysozyme amyloid fibrils and magnetic fluids, **Book of Contributions SSB2011**, ISBN 978 – 80 – 970779 – 0 – 7.
6. **M.M. Tufeanu (Mocanu)**, "The markers of the mammary tumors", abstract, **Analele Universitatii Bucuresti - Biologie**, 1997 no.XLVI, 114-115, ISSN 0378-8989.

6.2 Lucrări științifice prezentate la conferințe naționale, internaționale sau seminarii științifice

1. **M.M. Mocanu**, T. Picot, E. Radu, I. Baran, E. Katona, P. Nagy, J. Szöllősi, L. Campos, C. Ganea, Modulation of cell motility and signaling pathways of ErbB proteins in tumor cell lines by epigallocatechin-3-O-gallate, poster, FEBS EMBO 2014 Conference, August 30 – September 4, 2014, Paris, France
2. **M.-M. Mocanu**, C. Ganea, K. Siposova, E. Demjen, J. Marek, Z. Bednarikova, M.-M. Iordache, T. Savopol, A. Antosova, Z. Gazova, Differential cytotoxic effect in response to polymorphism of amyloid fibrils, IUPAB, August 3 – 7, 2014, Brisbane, Australia
3. **M.M. Mocanu**, T. Picot, E. Radu, M.M. Iordache, C.M. Aanei, C. Ganea, L. Campos, Signaling pathways in cancer cells, oral communication, 10th National Congres of Cytometry, May 21-24, 2014, Bucharest, Romania; cartea de rezumate, pg. 15-17.
4. **Mocanu MM**, Nagy P, Georgescu L, Varadi T, Shrestha D, Baran I, Katona E, Szollosi J, Ganea C, The effect of flavonoids in mammary and epidermoid tumor cells with ErbB proteins overexpression, plenary lecture, 8th International Conference "Structure and Stability of Biomacromolecules" (SSB 2013), September 10-13, 2013, Kosice, Slovakia, Book of contributions, ISBN: 978-80-89656-01-1, pg. 33-34.
5. **Mocanu MM**, Ganea C, Siposova K, Filippi A, Radu E, Demjen E, Marek J, Bednarikova Z, Antosova A, Gazova Z, Distinct fibrils morphology induces different cytotoxicity in renal cells 8th International Conference "Structure and Stability of Biomacromolecules" (SSB 2013), September 10-13, 2013, Kosice, Slovakia, Book of contributions, ISBN: 978-80-89656-01-1, pg. 111-112, poster.
6. Gazova Z, Siposova K, Filippi A, Demjen E, Marek J, Ganea C, **Mocanu MM**, Polymorphism of lysozyme amyloid fibrils and cell viability, poster, 9th European Biophysics Congress (EBSA2013), July 13-17, 2013 Lisbon, Portugal
7. **M.M. Mocanu**, E. Katona, M. Surcel, L. Georgescu, T. Varadi, I. Baran, P. Nagy, C. Ursaciuc, J. Szöllősi, C. Ganea, Effect of flavonoids on cell cycle and apoptosis in tumor cell lines overexpressing ErbB proteins, oral communication, 9th National Congres

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8. Z. Gazova, K. Siposova, M. Koneracka, V. Zavisova, A. Filippi, D. Ionescu, P. Kopcansky and **M. M. Mocanu**, Anti-amyloid effect of magnetic fluid *in vitro* and in cells, poster, 13th International Conference on Magnetic Fluid, 7-11 Ianuarie 2013, New Dehli, India
 9. Gazova Z., Siposova K., Koneracka M., Zavisova V., Kopcansky P., Filippi A., Ganea C., Baran I., **Mocanu M.M.**, Magnetic fluids attenuate the cytotoxic effect of amyloid fibrils, poster, 22nd IUBMB & 37th FEBS Congress, September 4th - 9th, 2012, Sevilla, Spania
 10. **M.M. Mocanu**, C. Ganea, I. Baran, E. Katona, C. Ursaciuc, M. Surcel, P. Nagy, J. Szöllösi, Polyphenolic compounds induce the blockage of the cell cycle progression on tumor cell lines overexpressing ErbBs proteins, ISAC XXVII International Congress, June 23 – 27, 2012, Leipzig, Germany
 11. K. Siposova, **M. M. Mocanu**, M. Muckova, J. Lazova, C. Ganea, I. Baran, Z. Gazova, Magnetic fluid reverses inhibition of cell growing caused by protein amyloid fibrils, 9th International Conference on the Scientific and Clinical Applications of Magnetic Carriers, May 22-26, 2012, Minneapolis, Minnesota, U.S.A.
 12. **M. M. Mocanu**, K. Siposova, C. Ganea, I. Baran, A. Antosova, Z. Gazova, Protective role of nanoparticles against cytotoxic effect induced by amyloid fibrils, XXIII Biochemical Congress, August 26-29, 2012, Brno, Czech Republic
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 14. **Mocanu MM**, Váradi T, Szöllösi J, Nagy P., Fluorescence resonance energy transfer (FRET) and proximity ligation assay (PLA): a comparative study, oral presentation, invited speaker, 7th International Conference "Structure and Stability of Biomacromolecules", Kosice, Slovakia, September 6 – 9, 2011.
 15. **Mocanu M.M.**, Ganea C., Siposova K., Baran I., Katona E., Gheorghiu M., Anotosova A., Gazova Z., Lysozyme amyloid fibrils inhibit the growing of LLC-PK1 renal cells, 7th International Conference "Structure and Stability of Biomacromolecules", Kosice, Slovakia, September 6 – 9, 2011.
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