

LUCRĂRI ȘTIINȚIFICE ORIGINALE ÎN WEB OF SCIENCE CORE
COLLECTION

1. Popov D, **Mânduțeanu I**. Synthesis and secretion of ^3H -mannose labeled proteins by valvular endothelial cells in culture. Rev.Roum. Biochem. 1987, vol 24, pp 48-54.
2. **Mânduțeanu I**, Popov D, Radu A, Simionescu M. Calf cardiac valvular endothelial cells in culture: production of glycosaminoglycans, prostacyclin and fibronectin. J Mol Cell Cardiol. 1988 Feb;20(2):103-18. **Impact factor: 2.72**
3. **Mânduțeanu I**, Vasile E, Simionescu M. Uptake of LDL by valvular endothelial cells in culture. Rev. Roum. Biochim. 1990, vol 27, pp 235-238.
4. **Mânduțeanu I**, Calb M, Lupu C, Simionescu N, Simionescu M. Increased adhesion of human diabetic platelets to cultured valvular endothelial cells, J. Sobmicrosc. Cytol. and Pathol., 1992, vol 24, pp 543-547.
5. Lupu C, **Mânduțeanu I**, Calb M, Simionescu N, Simionescu M, Ionescu M. Some Major Plasmalemma Proteins of Human Diabetic Platelets are Involved in the Enhanced Platelet Adhesion to Cultured Valvular Endothelial Cells. Platelets. 1993;4(2):79-84. **Impact factor: 1.85**
6. Navarro P, Caveda L, Breviario F, **Mânduțeanu I**, Lampugnani MG, Dejana E. Catenin-dependent and independent functions of vascular endothelial cadherin, Journal of Biol. Chem, 270,52,30965-30972 (1995). **Impact factor: 7.67**
7. **Mânduțeanu I**, Corot C, Simionescu N, Meyer D, Simionescu M. Ultrastructural investigation of the vascular transport of an iodinated macromolecular contrast medium. Acad Radiol. 1996 Aug;3 Suppl 2:S353-5. **Impact factor: 0.9**
8. **Mânduțeanu I**, Corot C, Simionescu N, Meyer D, Simionescu M. Experimental evaluation of the vascular effects and transport of an iodinated macromolecular contrast medium. Invest Radiol. 1997 Aug;32(8):447-52. **Impact factor: 1.76**
9. **Mânduțeanu I**, Voinea M, Serban G, Simionescu M. High glucose induces enhanced monocyte adhesion to valvular endothelial cells via a mechanism involving ICAM-1, ICAM-1 and CD18. Endothelium. 1999;6(4):315-24. **Impact factor: 1.15**
10. **Mânduțeanu I**, M.Voinea, M.Capraru, E. Dragomir, M. Simionescu. A novel attribute of enoxaparin: Inhibition of monocyte adhesion to endothelial cells by a mechanism involving cell adhesion molecules, Pharmacology. Vol.65, No.1, pp.32-37, 2002; **Impact factor: 1.788**
11. Voinea, M, Dragomir, E, **Mânduțeanu, I**, Simionescu, M. Binding and uptake of transferrin-bound liposomes targeted to transferrin receptors of endothelial cells, Vascular Pharmacology Vol.39, No.1-2, pp. 13-20, 2002; **Impact factor: 2.207**

12. **Mânduțeanu I**, Voinea M, Antohe F, Dragomir E, Capraru M, Radulescu L, Simionescu M. Effect of enoxaparin on high glucose-induced activation of endothelial cells, *European Journal of Pharmacology*, Vol.477, No.3, pp.269-276, 2003; **Impact factor: 2.516**
13. Voinea M, Georgescu A, Manea A, Dragomir E, **Mânduțeanu I**, Popov D, Simionescu M. Superoxide dismutase entrapped-liposomes restore the impaired endothelium-dependent relaxation of resistance arteries in experimental diabetes, *European Journal of Pharmacology*, Vol.484, No.1, pp.111-118, 2004; **Impact factor: 2.516**
14. Dragomir E, **Mânduțeanu I**, Voinea M, Costache G, Manea A, Simionescu M. Aspirin rectifies calcium homeostasis, decreases reactive oxygen species, and increases NO production in high glucose-exposed human endothelial cells, *Journal of Diabetes and its Complications*, Vol.18, No.5, pp.289-299, 2004; **Impact factor: 2.032**
15. Voinea M, **Mânduțeanu I**, Dragomir E, Capraru M, Simionescu M. Immunoliposomes directed toward VCAM-1 interact specifically with activated endothelial cells - A potential tool for specific drug delivery. *Pharmaceutical Research*, Vol.22, No.11, pp.1906-1917, 2005; **Impact factor: 4.093**
16. Dragomir E, Tircol M, **Mânduțeanu I**, Voinea M, Simionescu M. Aspirin and PPAR- α activators inhibit monocyte chemoattractant protein-1 expression induced by high glucose concentration in human endothelial cells, *Vascular Pharmacology*, Vol.44, No.6, pp.440-449, 2006; **Impact factor: 2.207**
17. **Mânduțeanu, I**, Dragomir, E, Voinea, M, Capraru, M, Simionescu, M. Enoxaparin reduces H₂O₂-induced activation of human endothelial cells by a mechanism involving cell adhesion molecules and nuclear transcription factors, *Pharmacology*, Vol.79, No.3, pp.154-162, 2007; **Impact factor: 1.788**
18. Dragomir E, **Mânduțeanu I**, Calin M, Gan A.M, Stan D, Koenen R.R, Weber C, Simionescu M. High glucose conditions induce upregulation of fractalkine and monocyte chemotactic protein-1 in human smooth muscle cells, *Thrombosis and Haemostasis*, Vol.100, No.6, 1155-1165, 2008; **Impact factor: 5.044**
19. **Mânduțeanu I**, Dragomir E, Calin M, Pirvulescu M, Gan A.M, Stan D, Simionescu M. Resistin up-regulates fractalkine expression in human endothelial cells: Lack of additive effect with TNF- α , *Biochemical and Biophysical Research Communications*, Vol.381, No.1, pp.96-101, 2009; **Impact factor: 2.484**
20. Calin M, **Mânduțeanu I**, Dragomir E, Dragan E, Nicolae M, Gan A.M, Simionescu M. Effect of depletion of monocytes/macrophages on early aortic valve lesion in experimental hyperlipidemia, *Cell and Tissue Research*, Vol. 336, No.2, pp.237-248, 2009; **Impact factor: 3.114**
21. **Mânduțeanu I**, Pirvulescu M, Gan A.M, Stan D, Simion V, Dragomir E, Calin M, Simionescu M. Similar effects of resistin and high glucose on P-selectin and fractalkine

expression and monocyte adhesion in human endothelial cells. *Biochemical and Biophysical Research Communications*, Vol.391, No.3, pp.1443-1448, 2010; **Impact factor: 2.484**

22. Stan D, Calin M, **Mânduțeanu I**, Pirvulescu M, Gan AM, Dragomir Butoi E, Simion V, Simionescu M. High glucose induces enhanced expression of resistin in human U937 monocyte-like cell line by MAPKs and NF- κ B dependent mechanisms; the modulating effect of insulin, *Cell Tissue Res*. 2011 Feb;343(2):379-87. **Impact factor: 3.114**

23. Pirvulescu MM, Gan AM, Stan D, Simion V, Calin M, Butoi ED, Tirgoviste CI, **Mânduțeanu I**. Curcumin and a *Morus alba* Extract Reduce Pro-Inflammatory Effects of Resistin in Human Endothelial Cells. *Phytother Res*. Dec;25(12):1737-42, 2011. **Impact factor: 2.086**

24. Butoi ED, Gan AM, **Mânduțeanu I**, Stan D, Calin M, Pirvulescu M, Koenen RR, Weber C, Simionescu M. Cross talk between smooth muscle cells and monocytes/ activated monocytes via CX3CL1/CX3CR1 axis augments expression of pro-atherogenic molecules. *Biochim Biophys Acta*. 2011 Aug 22;1813(12):2026-2035. **Impact factor: 5.538**

25. **Mânduțeanu I**, Simionescu M. Inflammation in atherosclerosis: a cause or a result of vascular disorders? *J Cell Mol Med*. 2012 Sep;16(9):1978-90. **Impact factor: 4.125**

26. Pirvulescu M, **Mânduțeanu I**, Gan AM, Stan D, Simion V, Butoi E, Calin M, Simionescu M. A novel pro-inflammatory mechanism of action of resistin in human endothelial cells: up-regulation of SOCS3 expression through STAT3 activation. *Biochem Biophys Res Commun*. 2012, 1;422(2):321-6. **Impact factor: 2.484**

27. Gan AM, Butoi ED, Manea A, Simion V, Stan D, Parvulescu MM, Calin M, **Mânduțeanu I**, Simionescu M. Inflammatory effects of resistin on human smooth muscle cells: up-regulation of fractalkine and its receptor, CX3CR1 expression by TLR4 and Gi-protein pathways. *Cell Tissue Res*. (2013) 351:161–174. **Impact factor: 3.114**

28. Simion V, Stan D, Gan AM, Pirvulescu MM, Butoi E, **Mânduțeanu I**, Deleanu M, Andrei E, Durdureanu-Angheluta A, Bota M, Enachescu M, Calin M, Simionescu M. Development of curcumin-loaded poly(hydroxybutyrate-cohydroxyvalerate) nanoparticles as anti-inflammatory carriers to human-activated endothelial cells. *J Nanopart Res* (2013) 15:2108, **Impact factor: 2.27**

29. Gan AM, Pirvulescu MM, Stan D, Simion V, Calin M, **Mânduțeanu I**, Butoi E. Monocytes and smooth muscle cells cross-talk activates STAT3 and induces resistin and reactive oxygen species production. *J Cell Biochem*. 2013 Oct; 114(10):2273-83. doi: 10.1002/jcb.24571. **Impact factor: 3.062**

30. Pirvulescu MM, Gan AM, Stan D, Simion V, Calin M, Butoi E, **Mânduțeanu I**. Subendothelial resistin enhances monocyte transmigration in a co-culture of human endothelial and smooth muscle cells by mechanisms involving fractalkine, MCP-1 and activation of TLR4 and Gi/o proteins signaling, *Int J Biochem Cell Biol*. 2014, 50:29-37, doi:10.1016/ j.biocel. 2014.01.022. **Impact factor: 4.595**

31. Gan AM, Butoi E, Manea A, Pirvulescu MM, Stan D, Simion V, Calin M, Simionescu M, **Mânduțeanu I**. Functional analysis of the fractalkine gene promoter in human aortic smooth muscle cells exposed to proinflammatory conditions, *FEBS J*. 2014 Sep;281(17):3869-81. doi: 10.1111/febs.12921. **Impact factor: 3.986**
32. Butoi E, Gan AM, **Mânduțeanu I**. Molecular and functional interactions among monocytes/macrophages and smooth muscle cells and their relevance for atherosclerosis. *Crit Rev Eukaryot Gene Expr*. 2014;24(4):341-55. **Impact factor: 2.38**
33. Calin M, Stan D, Schlesinger M, Simion V, Deleanu M, Ana Constantinescu C, Gan AM, Pirvulescu MM, Butoi E, **Mânduțeanu I**, Bota M, Enachescu M, Borsig L, Bendas G, Simionescu M. *Eur J Pharm Biopharm*. 2014 Nov 28. pii: S0939-6411(14)00343-9. **Impact factor: 4.25**
34. Simion V, Stan D, Constantinescu CA, Deleanu M, Dragan E, Tucureanu MM, Gan AM, Butoi E, Constantin A, **Mânduțeanu I**, Simionescu M, Calin M. Conjugation of curcumin-loaded lipid nanoemulsions with cell-penetrating peptides increases their cellular uptake and enhances the anti-inflammatory effects in endothelial cells. *J Pharm Pharmacol*. 2016 Feb; 68(2):195-207. doi: 10.1111/jphp.12513. Epub 2016 Jan 8. PMID:26748549. **Impact factor: 2.4**
35. Butoi E, Gan AM, Tucureanu MM, Stan D, Macarie RD, Calin M, Simionescu M, **Mânduțeanu I**. Cross-talk between macrophages and smooth muscle cells impairs collagen and metalloprotease synthesis and promotes angiogenesis. *Biochim Biophys Acta*. 2016 Apr 6. pii: S0167-4889(16)30082-9. doi: 10.1016/j.bbamcr.2016.04.001. [Epub ahead of print] PMID: 27060293. **Impact factor: 5.019**
36. Tucureanu MM, Butoi E, Gan AM, Stan D, Constantinescu CA, Calin M, Simionescu M, **Mânduțeanu I** Amendment of the cytokine profile in macrophages subsequent to their interaction with smooth muscle cells: Differential modulation by fractalkine and resistin. *Cytokine*. 2016 Jul;83:250-261. doi: 10.1016/j.cyto.2016.04.019. Epub 2016 May 12. **Impact factor:3.4**
37. Simion V, Constantinescu CA, Stan D, Deleanu M, Tucureanu MM, Butoi E, **Mânduțeanu I**, Simionescu M, Calin M P-Selectin Targeted Dexamethasone-Loaded Lipid Nanoemulsions: A Novel Therapy to Reduce Vascular Inflammation. *Mediators Inflamm*. 2016;2016:1625149. Epub 2016 Sep 14. **Impact factor:3.2**
38. Calin M, **Mânduțeanu I**. Emerging Nanocarriers-based Approaches to Diagnose and Reduce Vascular Inflammation in Atherosclerosis. *Curr Med Chem*. 2017;24(6):550-567. doi: 10.2174/0929867324666161123091627. Review. **Impact factor:3.2**
39. Tucureanu MM, Rebleanu D, Constantinescu CA, Deleanu M, Voicu G, Butoi E, Calin M, **Mânduțeanu I**. Lipopolysaccharide-induced inflammation in monocytes/macrophages is

blocked by liposomal delivery of G_i-protein inhibitor. *Int J Nanomedicine*. 2017 Dec 20;13:63-76. . **Impact factor:4.47**

40. Macarie RD, Vadana M, Ciortan L, Tucureanu MM, Ciobanu A, Vinereanu D, **Mânduțeanu I**, Simionescu M, Butoi E. The expression of MMP-1 and MMP-9 is up-regulated by smooth muscle cells after their cross-talk with macrophages in high glucose conditions. *J Cell Mol Med*. 2018 Sep;22(9):4366-4376. **Impact factor:5.3**

41. Constantinescu CA, Fuior EV, Rebleanu D, Deleanu M, Simion V, Voicu G, Escriou V, **Mânduțeanu I**, Simionescu M, Calin M. Targeted Transfection Using PEGylated Cationic Liposomes Directed Towards P-Selectin Increases siRNA Delivery into Activated Endothelial Cells. *Pharmaceutics*. 2019 Jan 21;11(1). pii: E47. doi: 10.3390/pharmaceutics11010047. **Impact factor:6.5**

42. Tucureanu MM, Filippi A, Alexandru N, Ana Constantinescu C, Ciortan L, Macarie R, Vadana M, Voicu G, Frunza S, Nistor D, Simionescu A, Simionescu DT, Georgescu A, **Mânduțeanu I**. Diabetes-induced early molecular and functional changes in aortic heart valves in a murine model of atherosclerosis. *Diab Vasc Dis Res*. 2019 Nov;16(6):562-576. doi: 10.1177/1479164119874469. Epub 2019 Sep 18. **Impact factor:2.46**

43. Vadana M, Cecoltan S, Ciortan L, Macarie RD, Tucureanu MM, Mihaila AC, Droc I, Butoi E, **Mânduțeanu I**. Molecular mechanisms involved in high glucose-induced valve calcification in a 3D valve model with human valvular cells. *J Cell Mol Med*. 2020 Apr 19. doi: 10.1111/jcmm.15277. **Impact factor:5.3**

44. Alexandru Filippi, Alina Constantin, Nicoleta Alexandru, Geanina Voicu, Cristina Ana Constantinescu, Daniela Rebleanu, Madalina Fenyo, Dan Simionescu, Agneta Simionescu, **Mânduțeanu I**, Adriana Georgescu. Integrins $\alpha 4\beta 1$ and $\alpha V\beta 3$ are Reduced in Endothelial Progenitor Cells from Diabetic Dyslipidemic Mice and May Represent New Targets for Therapy in Aortic Valve Disease. *Cell Transplant*. 2020 Jan-Dec; 29: 0963689720946277. Published online 2020 Aug 25. doi: 10.1177/0963689720946277 PMID: **Impact factor:2.88**

45. Geanina Voicu, Daniela Rebleanu, Cristina Ana Constantinescu, Elena Valeria Fuior, Letitia Ciortan, Ionel Droc, Cristina Mariana Uritu, Mariana Pinteala, **Mânduțeanu I**, Maya Simionescu, Manuela Calin. Nano-Polyplexes Mediated Transfection of Runx2-shRNA Mitigates the Osteodifferentiation of Human Valvular Interstitial Cells. *Pharmaceutics*. 2020 Jun; 12(6): 507. Published online 2020 Jun 2. doi: 10.3390/pharmaceutics12060507. **Impact factor:6.5**

46. Letitia Ciortan, Razvan Daniel Macarie, Sergiu Cecoltan, Mihaela Vadana, Monica Madalina Tucureanu, Andreea Cristina Mihaila, Ionel Droc, Elena Butoi, **Mânduțeanu I**. Chronic High Glucose Concentration Induces Inflammatory and Remodeling Changes in Valvular Endothelial Cells and Valvular Interstitial Cells in a Gelatin Methacrylate 3D Model

of the Human Aortic Valve. *Polymers (Basel)* 2020 Dec; 12(12): 2786. Published online 2020 Nov 25. doi: 10.3390/polym12122786 PMID: **Impact factor:4.3**

47. Turtoi M, Anghelache M, Bucatariu SM, Deleanu M, Voicu G, Safciuc F, **Mânduțeanu I**, Fundueanu G, Simionescu M, Calin M. A novel platform for drug testing: Biomimetic three-dimensional hyaluronic acid-based scaffold seeded with human hepatocarcinoma cells. *Int J Biol Macromol.* 2021 Aug 31; 185:604-619. doi: 10.1016/j.ijbiomac.2021.06.174. Epub 2021 Jul 1. **Impact factor:8**

48. [High Glucose Induced Changes in Human VEC Phenotype in a 3D Hydrogel Derived From Cell-Free Native Aortic Root.](#) Cecoltan S, Ciortan L, Macarie RD, Vadana M, Mihaila AC, Tucureanu M, Vlad ML, Droc I, Gherghiceanu M, Simionescu A, Simionescu DT, Butoi E, **Mânduțeanu I**. *Front Cardiovasc Med.* 2021 Aug 12;8:714573. doi: 10.3389/fcvm.2021.714573. eCollection 2021. **Impact factor:6**

49. Turtoi M, Anghelache M, Patrascu AA, Maxim C, **Mânduțeanu I**, Calin M, Popescu DL. [Biomedicines .Synthesis, Characterization, and In Vitro Insulin-Mimetic Activity Evaluation of Valine Schiff Base Coordination Compounds of Oxidovanadium \(V\).](#) *Biomedicines.* 2021 May 17;9(5):562. doi: 10.3390/biomedicines9050562. **Impact factor:4.7**

50. Vadana M, Cecoltan S, Ciortan L, Macarie RD, Mihaila AC, Tucureanu MM, Gan AM, Simionescu M, **Mânduțeanu I**, Droc I, Butoi E Parathyroid Hormone Induces Human Valvular Endothelial Cells Dysfunction That Impacts the Osteogenic Phenotype of Valvular Interstitial Cells. *Int J Mol Sci.* 2022 Mar 29;23(7):3776. doi: 10.3390/ijms23073776. PMID: 35409134. **Impact factor: 6.2**

51. Voicu G, Rebleanu D, Mocanu CA, Tanko G, Droc I, Uritu CM, Pinteala M, **Mânduțeanu I**, Simionescu M, Calin M. VCAM-1 Targeted Lipopolyplexes as Vehicles for Efficient Delivery of shRNA-Runx2 to Osteoblast-Differentiated Valvular Interstitial Cells; Implications in Calcific Valve Disease Treatment. *Int J Mol Sci.* 2022 Mar 30;23(7):3824. doi: 10.3390/ijms23073824. PMID: 35409184. **Impact factor: 6.2**

52. Filippi A, Constantin A, Alexandru N, Mocanu CA, Vlad ML, Fenyo IM, Simionescu A, Simionescu DT, **Mânduțeanu I**, Georgescu A. VLA4-Enhanced Allogeneic Endothelial Progenitor Cell-Based Therapy Preserves the Aortic Valve Function in a Mouse Model of Dyslipidemia and Diabetes. *Pharmaceutics.* 2022 May 17;14(5):1077. doi: 10.3390/pharmaceutics14051077. PMID: 35631662. **Impact factor:6.5**

53. Turtoi M, Anghelache M, Patrascu A, Deleanu M, Voicu G, Raduca M, Safciuc F, **Mânduțeanu I**, Calin M, Popescu DL. Antitumor Properties of a New Macrocyclic Tetranuclear Oxidovanadium (V) Complex with 3-Methoxysalicylidenvalline Ligand. *Biomedicines.* 2022 May 24;10(6):1217. doi: 10.3390/biomedicines10061217. PMID: 35740239. **Impact factor: 4.7**

Lucrări Non-ISI

- 1. Mânduțeanu I**, Radu A, Simionescu M. Isolation and cultivation of rabbit endocardial endothelial cells. Preliminary data. *Morphol. Embriol*, 1988, vol XXXIV, pp 165-169.
2. Voinea M, **Mânduțeanu I**, Simionescu M. Interaction of liposomes with vascular endothelium. *Current problems and techniques in cellular and molecular biology*. 1998, Vol.3, pp.26-29.
3. Voinea M, **Mânduțeanu I**, Simionescu M. Effect of antioxidants on adhesion of monocytes to valvular endothelial cells grown in high glucose concentrations. *Current problems and techniques in cellular and molecular biology*. 1998, Vol 3, pp 141-145
4. Radulescu L, **Mânduțeanu I**, Antohe F, Simionescu M. Detection of new antigens in activated endothelial cells by high-resolution 2-D gel technology, *Electrophoresis-Tech Note*., Bio-Rad, 2003, pp2979
5. Voinea M, Dragomir E, **Mânduțeanu I**. Gene transfer into endothelial cells using transferrin bound cationic liposomes, *Proc. Rom Acad*, 2004 Series B, vol 3, pp 203-206

**LUCRĂRI PREZENTATE LA CONGRESE ÎN STRĂINĂTATE, INCLUSE
CA REZUMAT ÎN PUBLICAȚII ISI**

1. Voinea M, Serban G, **Mânduțeanu I**, et al, ICAM-1 and VCAM-1 are involved in the increased adhesion of monocytes to valvular endothelial cells grown in high glucose concentrations, Source: *Hypertension* Volume: 30 Issue: 4 Pages: 65-65 Published: OCT 1997
2. Capraru MS, Dragomir E, Voinea M, **Mânduțeanu I**, Capraru D, Sbarcea A. The effect of CD40 L-CD40 on fractalkine expression on synovial fibroblasts, Conference Information: Annual European Congress of Rheumatology (EULAR 2004), JUN 09-12, 2004 Berlin GERMANY, Source: *Annals of the rheumatic diseases* Volume: 63 Pages: 137-137 Published: 2004
3. Capraru MS, Dragomir E, Voinea M, Capraru D, **Mânduțeanu I**, Signaling pathways involved in CD40L induced fractalkine expression on synovial fibroblasts, Conference Information: Annual European Congress of Rheumatology, JUN 08-11, 2005 Vienna Austria, Source: *Annals of the rheumatic diseases* Volume: 64 Pages: 130-130 Published: 2005
4. Dragomir E, Voinea M, **Mânduțeanu I**, et al, High glucose stimulates fractalkine and MCP-1 expression in human aortic smooth muscle cells, Conference Information: 14th Meeting of the International-Society-of-Atherosclerosis, JUN 18-22, 2006 Rome ITALY, Source: *Atherosclerosis supplements* Volume: 7 Issue, 355-355, Published: 2006 Meeting Abstract: WeP1141

5. **Mânduțeanu I**, Dragomir E, Voinea M, et al, Molecular mechanisms involved in enoxaparin effect on hydrogen peroxide exposed human endothelial cells, Conference Information: World Congress of Cardiology, SEP 02-06, 2006 Barcelona SPAIN, Source: European heart journal Volume: 27 Pages: 127-127 Published: 2006
6. Voinea M, Georgescu A, Manea A, Dragomir E, **Mânduțeanu I**, Popov D, Simionescu M. Superoxide dismutase entrapped-liposomes restore the impaired endothelium-dependent relaxation of resistance arteries in experimental diabetes, Conference Information: 24th Conference of the European-Society-for-Microcirculation, AUG 30-SEP 02, 2006 Amsterdam Netherlands, Source: Journal of vascular research Volume: 43 Pages: 18-18 Published: 2006
7. **Mânduțeanu I**, Gan AM, Dragomir E, et al. Molecular mechanisms involved in resistin-induced activation of human endothelial cells, Conference Information: 16th European Congress, on obesity, may 14-17, 2008 Geneva Switzerland, Source: International journal of obesity Volume: 32 Pages: S62-S62 Published: 2008
8. **Mânduțeanu I**, Dragomir E, Calin M, et al. Resistin upregulates ICAM-1, P-selectin and fractalkine in human endothelial cells, source: Atherosclerosis supplements Volume: 9 Issue: 1 Pages: 66-66 Published: 2008
9. **Mânduțeanu I**; Dragomir E; (...); Simionescu, M. Resistin and high glucose induce ICAM-1, P-selectin and fractalkine in human endothelial cells. Sep 2008 DIABETOLOGIA 51, pp.S520-S520
10. Pirvulescu MM, Stan D, Gan AM, Simion V, Ionescu-Tirgoviste C, **Mânduțeanu I**. Morus alba extract and curcumin reduce resistin induced-human endothelial cells activation by a mechanism involving p38 MAPK, Conference Information: 78th Congress of the European-Atherosclerosis-Society, jun 20-23, 2010 Hamburg Germany, Source: Atherosclerosis supplements Volume: 11 Issue: 2 Pages: 191-191 Published: 2010, Meeting Abstract: MS402.
11. Stan D, Calin M, Butoi E, Gan AM, Pirvulescu M, Simion V, **Mânduțeanu I**, Simionescu M. Resistin and high glucose modulate the expression of fractalkine receptor (CX3CR1) in human monocytes, Conference Information: 78th Congress of the European-Atherosclerosis-Society, jun 20-23, 2010 Hamburg Germany, Source: Atherosclerosis supplements Volume: 11 Issue: 2 Pages: 143-143 Published: 2010, Meeting Abstract: MS169
12. Gan AM, Butoi E, Stan D, Pirvulescu M, Simion V, **Mânduțeanu I**, Simionescu M. Fractalkine promotes a pro-inflammatory phenotype in human smooth muscle cells, Conference Information: 78th Congress of the European-Atherosclerosis-Society, 2010, jun 20-23, Hamburg Germany, Source: Atherosclerosis supplements Volume: 11 Issue: 2 Pages: 138-138 Published: 2010. Meeting Abstract: MS143
13. Calin M, **Mânduțeanu I**, E Butoi, D Stan, E Dragan, AM Gan, M Simionescu. 401 An approach based on lipid nanoparticles to determine the role of monocytes/macrophages in the development of aortic valve atherosclerotic lesions, Atherosclerosis Supplements 12 (1), 86, 2011

- 14.** Gan AM, **Mânduțeanu I**, V Simion, D Stan, MM Pirvulescu, M Calin, E Butoi, M. Simionescu. 316 Resistin up-regulates fractalkine and CX3CR1 expression in vascular smooth muscle cells by MAPK-NF-kB pathway, *Atherosclerosis Supplements* 12 (1), 68, 2011
- 15.** Simion, V.; Stan, D.; Pirvulescu, M, Gan AM., Butoi E, **Mânduțeanu I**, Calin M. Nanoparticles designed to treat atherosclerosis and cancer. *FEBS JOURNAL* Volume: 280 Special Issue: SI Supplement:, Pages: 304-304 Published: JUL 2013.
- 16.** Simion, V; Stan, D; **Mânduțeanu I**. et all. P-selectin functionalized lipid nanoparticles specifically target activated endothelium in acute and chronic inflammation mice models. *FEBS EMBO 2014 Conference Sep 2014 | FEBS JOURNAL* 281 , pp.158-159
- 17.** Gan,AM, **Mânduțeanu I**. et al. Functional analysis of fractalkine gene promoter in human aortic smooth muscle cells exposed to pro-inflammatory conditions. Conference: *FEBS EMBO 2014 Conference* Location: Paris, FRANCE Date: AUG 30-SEP 04, 2014. *FEBS JOURNAL* Volume: 281 Special Issue: SI Supplement: 1 Pages: 124-124 Meeting Abstract: SUN-173 Published: SEP 2014
- 18.** Pirvulescu, M; Butoi, E; **Mânduțeanu I** et al, The effect of resistin and fractalkine on macrophage-smooth muscle cells cross-talk.*FEBS EMBO 2014 Conference Sep 2014 | FEBS JOURNAL* 281 , pp.174-174
- 19.** Simion V, **Mânduțeanu I**. et al, Dexamethasone-encapsulated lipid nanoemulsions targeted to P-selectin reduce endothelium inflammation Conference: Congress of the European-Society-of-Cardiology (ESC) Location: Rome, ITALY Date: AUG 27-31, 2016 Sponsor(s): European Soc Cardiol EUROPEAN HEART *JOURNAL* Volume: 37 Supplement: 1 Pages: 907-907 Meeting Abstract: P4546 Published: AUG 1 2016
- 20.** Filipi A, **Mânduțeanu I**. et al, Early diabetes induces alterations in endothelial progenitor cell phenotype and homing in mice susceptible to atherosclerosis Conference: 87th Congress of the European-Atherosclerosis-Society (EAS) Location: Maastricht, NETHERLANDS Date: MAY 26-29, 2019 Sponsor(s): European Atherosclerosis Soc *ATHEROSCLEROSIS* Volume: 287 Pages: E97-E97 Meeting Abstract: EAS19-0647 Published: AUG 2019