

## Lista de lucrări

1. Buruiană A, Florian ŞI, Florian AI, Timiş TL, Mihu CM, Miclăuş M, Oşan S, Hrapşa I, Cataniciu RC, Farcaş M, **Şuşman S.** The Roles of miRNA in Glioblastoma Tumor Cell Communication: Diplomatic and Aggressive Negotiations. *Int J Mol Sci.* 2020 Mar 12;21(6):1950.
2. Horgos B, Mecea M, Boer A, Szabo B, Buruiana A, Stamatian F, Mihu CM, Florian IS, **Susman S**, Pascalau R White Matter Dissection of the Fetal Brain. *Front Neuroanat.* 2020 Sep 25;14:584266
3. Pirlog R, **Susman S**, Iuga CA, Florian SI Proteomic Advances in Glial Tumors through Mass Spectrometry Approaches. *Medicina (Kaunas).* 2019 Jul 27;55(8):412
4. Mihu CM, **Şuşman S**, Rus Ciucă D, Mihu D, Costin N Aspects of placental morphogenesis and angiogenesis. *.Rom J Morphol Embryol.* 2009;50(4):549-57.
5. Silini AR, Di Pietro R, Lang-Olip I, Alviano F, Banerjee A, Basile M, Borutinskaite V, Eissner G, Gellhaus A, Giebel B, Huang YC, Janev A, Kreft ME, Kupper N, Abadía-Molina AC, Olivares EG, Pandolfi A, Papait A, Pozzobon M, Ruiz-Ruiz C, Soritau O, **Susman S**, Szukiewicz D, Weidinger A, Wolbank S, Huppertz B, Parolini O. Perinatal Derivatives: Where Do We Stand? A Roadmap of the Human Placenta and Consensus for Tissue and Cell Nomenclature. *Front Bioeng Biotechnol.* 2020 Dec 17;8:610544
6. Girlovanu M, **Susman S**, Soritau O, Rus-Ciuca D, Melincovici C, Constantin AM, Mihu CM Stem cells - biological update and cell therapy progress. *.Clujul Med.* 2015;88(3):265-71
7. Petrushev B, Tomuleasa C, **Şuşman S**, Sorişău O, Aldea M, Kacsó G, Buigă R, Irimie A. The axis of evil in the fight against cancer. *Rom J Intern Med.* 2011;49(4):319-25.
8. Nicoară SD, **Şuşman S**, Tudoran O, Bărbos O, Cherecheş G, Aştilean S, Potara M, Sorițău O. Novel Strategies for the Improvement of Stem Cells' Transplantation in Degenerative Retinal Diseases. *Stem Cells Int.* 2016;2016:1236721.
9. **Susman S**, Pîrlog R, Leucuţa D, Mitre AO, Padurean VA, Melincovici C, Moldovan I, Crişan D, Florian SI. The role of p-Stat3 Y705 immunohistochemistry in glioblastoma prognosis. *Diagn Pathol.* 2019 Nov 5;14(1):124

- 10.** **Susman S**, Tomuleasa C, Soritau O, Mihu C, Rus-Ciuca D, Sabourin JC, Bibeau F, Irimie A, Buiga R The colorectal cancer stem-like cell hypothesis: a pathologist's point of view. *J BUON*. 2012 Apr-Jun;17(2):230-6.
11. Coget J, Borrini F, **Susman S**, Sabourin JC. Colorectal carcinomas in 2013: the search for powerful prognostic markers is still on the go! *Cancer Biomark*. 2014;14(2-3):145-50.
12. Mihu CM, Mihu D, Costin N, Rus Ciucă D, **Suşman S**, Ciortea R Isolation and characterization of stem cells from the placenta and the umbilical cord. *Rom J Morphol Embryol*. 2008;49(4):441-6.
13. Miron N, **Susman S**, Balacescu O, Buiga R, Berindan-Neagoe I, Cristea V, Balacescu L, Manolescu V, Ciuleanu TE Novel cellular and molecular approaches to stratification and treatment of colorectal cancer. *J Gastrointest Liver Dis*. 2012 Dec;21(4):413-21.
14. Szukiewicz D, Stangret A, Ruiz-Ruiz C, Olivares EG, Sorițău O, **Suşman S**, Szewczyk G. Estrogen- and Progesterone (P4)-Mediated Epigenetic Modifications of Endometrial Stromal Cells (EnSCs) and/or Mesenchymal Stem/Stromal Cells (MSCs) in the Etiopathogenesis of Endometriosis. *Stem Cell Rev Rep*. 2021 Aug;17(4):1174-1193.
- 15.** **Susman S**, Berindan-Neagoe I, Petrushev B, Pirlog R, Florian IS, Mihu CM, Berce C, Craciun L, Grewal R, Tomuleasa C. The role of the pathology department in the preanalytical phase of molecular analyses. *Cancer Manag Res*. 2018 Apr 12;10:745-753.
16. Florian IA, Buruiana A, Timis TL, **Susman S**, Florian IS, Balasa A, Berindan-Neagoe I An Insight into the microRNAs Associated with Arteriovenous and Cavernous Malformations of the Brain. *Cells*. 2021 Jun 2;10(6):1373.
17. Aldea M, Tomuleasa C, Petrushev B, **Susman S**, Kacso GI, Irimie A, Florian IS, Soritau O. Antidiabetic pharmacology: a link between metabolic syndrome and neuro-oncology? *J BUON*. 2011 Jul-Sep;16(3):409-13.
18. Tomuleasa C, Kacsó G, Sorițău O, **Suşman S**, Irimie A, Virág P Cellular interactions in prostate cancer genesis and dissemination. Looking beyond the obvious. *Rom J Morphol Embryol*. 2010;51(3):427-35.

19. Timis TL, Florian IA, **Susman S**, Florian IS.Involvement of Microglia in the Pathophysiology of Intracranial Aneurysms and Vascular Malformations-A Short Overview. Int J Mol Sci. 2021 Jun 7;22(11):6141.
- 20. Susman S**, Tomuleasa C, Fekete Z, Pilato B, Irimie A, Berindan-Neagoe I The importance of microRNAs in the stroma-breast cancer cell interplay.Cancer Biomark. 2014;14(2-3):137-44.
21. Tomuleasa C, Moșteanu O, **Şuşman S**, Cristea V.ALDH as a tumor marker for pancreatic cancer. J Gastrointestin Liver Dis. 2011 Dec;20(4):443-4;
- 22. Şuşman S**, Leucuța DC, Kacso G, Florian ȘI.High dose vs low dose irradiation of the subventricular zone in patients with glioblastoma-a systematic review and meta-analysis. Cancer Manag Res. 2019 Jul 18;11:6741-6753
23. Bâlci Ș, **Şuşman 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. J Appl Toxicol. 2016 Mar;36(3):373-84.
24. Tomuleasa C, Kacso G, Soritau O, **Susman S**, Petrushev B, Aldea M, Buiga R, Irimie A.The fundamental mechanisms of metastatic spread and chemotherapy resistance in lung cancer. Pneumologia. 2011 Apr-Jun;60(2):99-103.
- 25. Şuşman S**, Rus-Ciucă D, Sorițău O, Ciortea R, Gîrlovanu M, Mihu D, Mihu CM.Human placenta - stem cell source for obtaining pancreatic progenitors. Rom J Morphol Embryol. 2015;56(2):505-10.
26. Petrushev B, Tomuleasa C, Soritau O, Aldea M, Pop T, **Susman S**, Kacso G, Berindan I, Irimie A, Cristea V Metformin plus PIAF combination chemotherapy for hepatocellular carcinoma. Exp Oncol. 2012;34(1):17-24.

27. Moldovan IM, **Şuşman S**, Pîrlog R, Jianu EM, Leucuţa DC, Melincovici CS, Crişan D, Florian IS. Molecular markers in the diagnosis of invasive pituitary adenomas - an immunohistochemistry study. Rom J Morphol Embryol. 2017;58(4):1357-1364.
28. Samoilă O, Sorîtau O, Totu L, **Şuşman S**, Mihu CM. Cultivation and characterization of limbal epithelial stem cells in rabbits. Rom J Morphol Embryol. 2014;55(1):63-9.
29. Pop DM, Sorîtau O, **Şuşman S**, Rus-Ciucă D, Groza IS, Ciortea R, Mihu D, Mihu CM. Potential of placental-derived human mesenchymal stem cells for osteogenesis and neurogenesis. Rom J Morphol Embryol. 2015;56(3):989-96.
30. Melincovici CS, Boşca AB, **Şuşman S**, Cutaş A, Mărginean M, Ilea A, Moldovan IM, Jianu EM, Neag MA, Bulboacă AE, Mihu CM. Assessment of mismatch repair deficiency, CDX2, beta-catenin and E-cadherin expression in colon cancer: molecular characteristics and impact on prognosis and survival - an immunohistochemical study. Rom J Morphol Embryol. 2020 Jul-Sep;61(3):715-727.
31. Rus Ciucă D, Sorîtau O, **Şuşman S**, Pop VI, Mihu CM. Isolation and characterization of chorionic mesenchymal stem cells from the placenta. Rom J Morphol Embryol. 2011;52(3):803-8.
- 32. Şuşman S**, Sorîtau O, Rus-Ciucă D, Tomuleasa C, Pop VI, Mihu CM. Placental stem cell differentiation into islets of Langerhans-like glucagon-secreting cells. Rom J Morphol Embryol. 2010;51(4):733-8.
33. Tomuleasa C, Soritau O, Rus-Ciuca D, Ioani H, **Susman S**, Petrescu M, Timis T, Cernea D, Kacso G, Irimie A, Florian IS. Functional and molecular characterization of glioblastoma multiforme-derived cancer stem cells. J BUON. 2010 Jul-Sep;15(3):583-91.
34. Mihu CM, Rus Ciucă D, Sorîtau O, **Şuşman S**, Mihu D. Isolation and characterization of mesenchymal stem cells from the amniotic membrane. Rom J Morphol Embryol. 2009;50(1):73-7.
35. Silaghi CA, Lozovanu V, Georgescu CE, Georgescu RD, **Susman S**, Năsui BA, Dobrean A, Silaghi H Thyroseq v3, Afirma GSC, and microRNA Panels Versus Previous Molecular Tests in the Preoperative Diagnosis of Indeterminate Thyroid Nodules: A Systematic Review and Meta-Analysis. Front Endocrinol (Lausanne). 2021 May 13;12:649522.
36. Tomuleasa C, Soritau O, Orza A, Dudea M, Petrushev B, Mosteanu O, **Susman S**, Florea A, Pall E, Aldea M, Kacso G, Cristea V, Berindan-Neagoe I, Irimie A. J Gold nanoparticles

conjugated with cisplatin/doxorubicin/capecitabine lower the chemoresistance of hepatocellular carcinoma-derived cancer cells. *Gastrointestin Liver Dis.* 2012 Jun;21(2):187-96.

37. Tomuleasa C, Soritau O, Fischer-Fodor E, Pop T, **Susman S**, Mosteanu O, Petrushev B, Aldea M, Acalovschi M, Irimie A, Kacso G. Arsenic trioxide plus cisplatin/interferon α-2b/doxorubicin/capecitabine combination chemotherapy for unresectable hepatocellular carcinoma. *Hematol Oncol Stem Cell Ther.* 2011;4(2):60-6.

38. Tomuleasa C, Soritau O, Rus-Ciuca D, Pop T, Todea D, Mosteanu O, Pintea B, Foris V, **Susman S**, Kacsó G, Irimie A. Isolation and characterization of hepatic cancer cells with stem-like properties from hepatocellular carcinoma. *J Gastrointestin Liver Dis.* 2010 Mar;19(1):61-7.

39. Soritau O, Tomuleasa C, Aldea M, Petrushev B, **Susman S**, Gheban D, Ioani H, Cosis A, Brie I, Irimie A, Kacso G, Florian IS. Metformin plus temozolamide-based chemotherapy as adjuvant treatment for WHO grade III and IV malignant gliomas. *J BUON.* 2011 Apr-Jun;16(2):282-9.

40. Istrate M, Mihu C, **Şuşman S**, Melincovici CS, Măluțan AM, Buiga R, Bolboacă SD, Mihu CM. Highlighting the R1 and R2 VEGF receptors in placentas resulting from normal development pregnancies and from pregnancies complicated by preeclampsia. *Rom J Morphol Embryol.* 2018;59(1):139-146.

41. Mesenchymal stem cells derived from adipose tissue and Ishikawa cells co-culture highlight the role of adiponectin in endometrial cancer pathogenesis. Ciortea R, **Şuşman S**, Măluțan AM, Berceanu C, Mocan-Hognogi RF, Bucuri CE, Soritău O, Neagoe I, Mihu D. *Rom J Morphol Embryol.* 2018;59(4):1165-1172.

**42. Susman S**, Barnoud R, Bibeau F, Borrini F, Pocard M, Tomuleasa C, Sabourin JC. The Lauren classification highlights the role of epithelial-to-mesenchymal transition in gastric carcinogenesis: an immunohistochemistry study of the STAT3 and adhesion molecules expression. *J Gastrointestin Liver Dis.* 2015 Mar;24(1):77-83.

**43. Şuşman S**, Rus-Ciuca D, Soritău O, Tomuleasa C, Buigă R, Mihu D, Pop VI, Mihu CM. Pancreatic exocrine adult cells and placental stem cells co-culture. Working together is always the best way to go. *Rom J Morphol Embryol.* 2011;52(3 Suppl):999-1004.

44. Balacescu O, Balacescu L, Tudoran O, Todor N, Rus M, Buiga R, **Susman S**, Fetica B, Pop L, Maja L, Visan S, Ordeanu C, Berindan-Neagoe I, Nagy V. Gene expression profiling reveals activation of the FA/BRCA pathway in advanced squamous cervical cancer with intrinsic resistance and therapy failure. *BMC Cancer*. 2014 Apr 8;14:246.
45. Samoilă O, Soritău O, Călugăru M, Totu L, **Şuşman S**, Cristian C, Mihu CM. In vitro expansion and characterization of corneal stem cells isolated from an eye with malignant melanoma. *Rom J Morphol Embryol*. 2013;54(1):29-36.
46. Tomuleasa C, **Şuşman S**, Soritău O, Moșteanu O, Pop T, Petrushev B, Kacsó G, Buigă R, Tanțău M, Irimie A. Stem-like cells in colorectal oncology. *Rom J Intern Med*. 2011;49(3):189-96.
47. Melincovici CS, Boșca AB, **Şuşman S**, Mărginean M, Mihu C, Istrate M, Moldovan IM, Roman AL, Mihu CM. Vascular endothelial growth factor (VEGF) - key factor in normal and pathological angiogenesis. *Rom J Morphol Embryol*. 2018;59(2):455-467.