

Vybrané publikácie (2010-2017)

BAA - Odborné knižné publikácie vydané v zahraničných vydavateľstvách

1. Očenáš P., Tomášová L., **Pilátová M., Mojžiš J.,** Pazdera P.: Indole phytoalexins: Synthesis of new 2-alkyl and 2-aryl analogs of 1-methoxyspirobrassinol methyl ether and brassinin 1. vydanie. - Saarbrücken : LAP Lambert Academic Publishing, 2014. - 60 s. ISBN 9783846591734

ABC - Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

1. Kubatka, P., **Mojžiš J., Pilátová, M.,** Péč, M., Kruzliak P.: Soy Isoflavones in the Breast Cancer Risk: From Preclinical Findings to Clinical Strategy. In: Ullah FM, Ahmad A (eds) Critical Dietary Factors in Cancer Chemoprevention. Springer International Publishing Switzerland, pp. 213-238, 2016.

ADC - Vedecké práce v zahraničných karentovaných časopisoch

1. **Varinska L., Mirossay L.,** Mojzisova G., **Mojzis J.:** Antiangiogenic effect of selected phytochemicals. Pharmazie 65, 57-63, 2010 (IF=0.812)
2. **Cizmarikova M,** Wagnerova M, **Schonova L,** Habalova V, **Kohut A, Linkova A, Sarissky M, Mojzis J, Mirossay L, Mirossay A.:** MDR1 (C3435T) polymorphism: relation to the risk of breast cancer and therapeutic outcome. Pharmacogenomics J. 10, 62-69, 2010. (IF=4,306)
3. **Sabová L, Pilátová M, Szilagyí K,** Sabo R, **Mojžiš J.:** Cytotoxic effect of mistletoe (*Viscum album L.*) extract on Jurkat cells and its interaction with doxorubicin. Phytother Res. 24, 365-368, 2010. (IF=1,878)
4. **Pilatova M, Varinska L,** Perjesi P, **Sarissky M, Mirossay L,** Solar P, Ostro A, **Mojzis J.:** In vitro antiproliferative and antiangiogenic effects of synthetic chalcone analogues. Toxicol In Vitro. 24, 1347-1355, 2010. (IF=2, 546)
5. Kutschy P., Sýkora A., Čurillová Z., Repovská M., **Pilátová M., Mojžiš J., Mezencev R.,** Pazdera P., Hromjáková T.: Glyoxyl analogs of indole phytoalexins: Synthesis and anticancer activity. Collect. Czech. Chem. Commun. 75, 887–903, 2010 (IF=0,873)
6. Novotný M, Vasilenko T, **Varinská L,** Smetana K Jr, Szabo P, **Sarišský M,** Dvořánková B, **Mojžiš J,** Bobrov N, Toporcerová S, Sabol F, Matthews BJ, **Gál P.:** ER- α agonist induces conversion of fibroblasts into myofibroblasts, while ER- β agonist increases ECM production and wound tensile strength of healing skin wounds in ovariectomised rats. Exp Dermatol. 20, 703-8, 2011. (IF=4,159)
7. Vašková J., Veliká B., **Pilátová M.,** Kron I., Vaško L.: Effects of humic acids in vitro. In Vitro Cell Develop Biol Anim. 47, 376-382, 2011. (IF=1, 312)
8. Zilka N, Zilkova M, Kazmerova Z, **Sarissky M,** Cigankova V, Novak M.: Mesenchymal stem cells rescue the Alzheimer's disease cell model from cell death induced by misfolded truncated tau. Neuroscience. 193, 330-7, 2011. (IF=3,38)
9. Bačenkova D, Rosocha J, Tóthová T, Rosocha L, **Šarisský M.:** Isolation and basic characterization of human term amnion and chorion mesenchymal stromal cells. Cytotherapy. 13, 1047-56, 2011. (IF=3,627)
10. Rybárová S., Vecanová J., Hodorová I., Mihalik J., Čižmáriková M., **Mojžiš J.,** Solár P., Benický M., Adamkov M., **Mirossay L.:** Association between polymorphisms of XRCC1, p53 and MDR1 genes, the expression of their protein products and prognostic significance in human breast cancer. Med Sci Monit, 17, BR 354-363, 2011. (IF= 1,699)
11. Rybárová S, Hodorová I, Muri J, Mihalik J, Adamkov M, Svajdler M, Piovarci D, **Mirossay L.** Prognostic significance of p53 protein and X-ray repair cross-

- complementing protein 1 in non-small cell lung cancer. *Tumori* 97, 79-85 2011. (IF=0,606).
12. Solár P., Hřčková G., **Varinská L., Solárová Z.**, Křiška J., Uhrínová I., **Kello M., Mojžiš J.**, Fedoročko P., Sytkowski AJ.: Location and the functionality of erythropoietin receptor(s) in A2780 cells. *Oncol Rep.* 28, 141-146, 2012. (IF=1,68)
 13. **Varinska L.**, van Wijhe M., Belleri M., Mitola S., Perjesi P., Presta M., Koolwijk P., **Ivanova L., Mojzis J.**: Antiangiogenic activity of the flavonoid precursor 4-hydroxychalcone. *Eur J Pharmacol* 691, 125–133, 2012. (IF=2,728)
 14. Baláž P., Jardin R., Dutková E., Sayagués MJ., Baláz M., Mojžišová G., **Mojžiš J.**, Turianicová E., Fabián, M.: Mechanochemical synthesis and characterization of II-VI nanocrystals: Challenge for cytotoxicity issues. *Acta Physica Polonica A* 122, 224-229, 2012. (IF=0,444)
 15. Mojžišová G., **Mojžiš J., Pilátová M., Varinská L., Ivanová L.**, Strojny L., Richnavský J.: Antiproliferative and Antiangiogenic Properties of Horse Chestnut Extract. *Phytother Res* 27, 159-165, 2013 (IF=2,086)
 16. **Pilatova M, Ivanova L,** Kutschy P, **Varinska L,** Saxunova L, Repovska M, **Sarissky M, Seliga R, Mirossay L, Mojzis J.**: In vitro toxicity of camalexin derivatives in human cancer and non-cancer cells. *Toxicol In Vitro* 27, 939-944, 2013. (IF=2,775)
 17. **Seliga R., Pilatova M., Sarissky M.,** Viglasky V., Walko M., **Mojzis J.**: Novel naphthalimide polyamine derivatives as potential antitumor agents. *Mol Biol Rep* 40: 4129–4137, 2013. (IF=2,9)
 18. **Ivanova L., Varinska L., Pilatova M., Gal P.,** Solar P., Perjesi P., Smetana K. Jr., Ostro A., **Mojzis J.**: Cyclic chalcone analogue KRP6 as a potent modulator of cell proliferation: an in vitro study in HUVECs. *Mol Biol Rep* 40, 4571–4580, 2013, (IF=2,9)
 19. Lukáč M., Mrva M., Garajová M., **Mojžišová G., Varinská L., Mojžiš J.,** Sabol M., Kubincová J., Haragová H., Ondriska F., Devínsky F.: Synthesis, self-aggregation and biological properties of alkylphosphocholine and alkylphosphohomocholine derivatives of cetyltrimethylammonium bromide, cetylpyridinium bromide, benzalkonium bromide (C16) and benzethonium chloride. *Eur J Med Chem* 66, 46-55, 2013 (IF= 3,346)
 20. Křiška J, Solár P, **Varinská L, Solárová Z,** Kimáková P, **Mojžiš J,** Fedoročko P, Sytkowski AJ.: Human erythropoietin increases the pro-angiogenic potential of A2780 ovarian adenocarcinoma cells under hypoxic conditions. *Oncol Rep.* 30, 1455-1462, 2013 (IF=1,68)
 21. Budovská M, **Pilátová M, Varinská L, Mojžiš J, Mezencev R.**: The synthesis and anticancer activity of analogs of the indole phytoalexins brassinin, 1-methoxySPIROBRASSINOL methyl ether and cyclobrassinin. *Bioorg Med Chem.* 21, 6623-6633, 2013 (IF=2.903)
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 23. **Chripkova M, Drutovic D, Pilatova M,** Mikes J, Budovska M, Vaskova J, Brogginini M, **Mirossay L, Mojzis J.**: Brassinin and its derivatives as potential anticancer agents. *Toxicol In Vitro.* 28, 909-915, 2014 (IF= 2,650).
 24. **Kello M., Drutovic d., Chripkova M., Pilatova M.,** Budovska M., Kulikova L., Urdzik P., **Mojzis J.**: ROS-Dependent Antiproliferative Effect of Brassinin Derivative Homobrassinin in Human Colorectal Cancer Caco2 Cells. *Molecules* 2014, 19, 10877-10897 (IF=2,428)
 25. **Drutovic D., Chripkova M., Pilatova M.,** Kruzliak P., Perjesi P., **Sarissky M., Lupi, M., Damia G., Brogginini, M., Mojzis, J.**: Benzylidenetetralones, cyclic chalcone analogues, induce cell cycle arrest and apoptosis in HCT116 colorectal cancer cells. *Tumor Biol* 35, 9967-75, 2014. (IF=2,84)
 26. **Peržel'ová V, Varinská L,** Dvořánková B, Szabo P, Spurný P, Valach J, **Mojžiš J,** André S, Gabius HJ, Smetana K Jr, **Gál P.**: Extracellular Matrix of Galectin-1-exposed Dermal

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 32. **Cizmarikova M**, Podracka L, Klimcakova L, Habalova V, Boor A, **Mojzis J, Mirossay L.:** MDR1 Polymorphisms and Idiopathic Nephrotic Syndrome in Slovak Children: Preliminary Results. *Med Sci Monit.* 21, 59-68, 2015 (IF=1,216).
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 35. **Varinska L, Gal P**, Mojzisova G, **Mirossay L, Mojzis J.:** Soy and Breast Cancer: Focus on Angiogenesis. *Int J Mol Sci.* 16, 11728-11749, 2015 (IF= 2,339).
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 41. Baláž P., Baláž M., Dutková E., Zorkovská A., Kováč J., Hronec P., Kováč J Jr., Čaplovičová M., **Mojžiš J.**, Mojžišová G., Eliyas A., Kostova NG.: CdS/ZnS nanocomposites: from mechanochemical synthesis to cytotoxicity issues. *Mat Sci Eng C* 58, 1016–1023, 2016 (IF=3,088).
 42. Mojžišová G, **Kello M, Pilátová M**, Tomečková V, Vašková J, Vaško L, Bernátová S, **Mirossay L, Mojžiš J.:** Antiproliferative effect of β -escin - an in vitro study. *Acta Biochim Pol.* 2016 http://dx.doi.org/10.18388/abp.2015_1013 (IF=1,153)

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48. **Chripkova M**, Zigo F, **Mojzis J.**: Antiproliferative Effect of Indole Phytoalexins. *Molecules* 21, 1626, 2016 (IF=2,465).
49. Budovská M., **Bago Pilátová M., Tischlerová V., Mojžiš J.**: Spirocyclization reactions and antiproliferative activity of indolephytoalexins 1-methoxybrassinin and its 1-substituted derivatives. *Arkivoc (vi)* 198-234, 2016 (IF=1.096)
50. Bujňáková Z, Baláž M, Dutková E, Baláž P, **Kello M**, Mojžišová G, **Mojžiš J**, Vilková M, Imrich J, Psoťka M.: Mechanochemical approach for the capping of mixed core CdS/ZnS nanocrystals: Elimination of cadmium toxicity. *J Colloid Interface Sci.* 486, 97-111, 2017 (IF=3,782).
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52. **Varinska L**, Kubatka P, **Mojzis J**, Zulli A, Gazdikova K, Zubor P, Büsselberg D, Caprnda M, Opatrilova R, Gasparova I, Klabusay M, Pec M, Fibach E, Adamek M, Kruzliak P.: Angiomodulators in cancer therapy: New perspectives. *Biomed Pharmacother.* 89, 578-590, 2017 (IF= 2.326; Q1)
53. Kubatka P, **Kello M**, Kajo K, Kruzliak P, Výbohová D, **Mojžiš J**, Adamkov M, Fialová S, Veizerová L, Zulli A, Péč M, Statelová D, Grančai D, Büsselberg D. Oregano demonstrates distinct tumour-suppressive effects in the breast carcinoma model. *Eur J Nutr.* 56, 1303-1316, 2017 (IF=3,467; Q1).
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55. Kubatka P., Uramova S., **Kello M.**, Kajo K., Kruzliak P., **Mojzis J.**, Vybohova D., Adamkov M., Jasek K., Lasabova Z., Zubor P., Fialova S., Dokupilova S., Solar P., Pec M., Adamicova K., Danko J., Adamek M., Busselberg D.: Antineoplastic effects of clove buds (*Syzygium aromaticum* L.) in the model of breast carcinoma. *J. Cell. Mol. Med.* 20, 2837-2851, 2017 (IF= 4,938; Q1).
56. **Tischlerova V., Kello M., Budovska M., Mojzis J.**: Indole phytoalexin derivatives induce mitochondrial mediated apoptosis in human colorectal carcinoma cells. *World J Gastroenterol* 23, 4341-4353, 2017 (IF= 3.365; Q1).
57. **Kello M**, Kulikova L, Vaskova J, Nagyova A, **Mojzis J.**: Fruit Peel Polyphenolic Extract-Induced Apoptosis in Human Breast Cancer Cells Is Associated with ROS Production and Modulation of p38MAPK/Erk1/2 and the Akt Signaling Pathway. *Nutr Cancer* 69, 920-931, 2017 (IF=2,447).

58. Budovska M., **Tischlerova V., Mojzis J.**, Harvanova M., Kozlov O, Gondova T., Tomaskova T.: 2'-Aminoanalogues of the cruciferous phytoalexins spirobrassinin, 1-methoxyspirobrassinin and 1-methoxy-spirobrassinol methyl ether: Synthesis and anticancer properties. *Tetrahedron* 73, 6356-6371, 2017 (IF=2,651; Q2).
59. Kapinova, A., Stefanicka, P., Kubatka, P., Zubor, P., Uramova, S., **Kello, M., Mojzis, J.**, Blahutova, D., Qaradakhi, T., Zulli, A., Caprnda, M., Danko, J., Lasabova, Z., Busselberg, D., Kruzliak, P.: Are plant-based functional foods better choice against cancer than single phytochemicals? A critical review of current breast cancer research. *Biomed Pharmacother.* 96, 1465–1477, 2017 (IF= 2,326)

ADD - Vedecké práce v domácich karentovaných časopisoch

1. **Pilátová M, Stupáková V, Varinská L, Šarišsky M, Mirossay L, Miroššay A, Gal P, Kraus V, Dianišková K, Mojžiš J.**: Effect of selected flavones on cancer and endothelial cells. *Gen Physiol Biophys.* 29, 134-143, 2010. (IF=0,741)
2. Tomášková N, **Varinská L**, Sedlák E. Rate of oxidative modification of cytochrome c by hydrogen peroxide is modulated by Hofmeister anions. *Gen Physiol Biophys.* 29, 255-65, 2010. (IF=0,741)
3. **Giertoľova M, Hajikova M**, Vaskova J, Kafkova A, Stecova N, **Mirossay L**, KarabinosA, Tothova E, **Sarissky M.**: Cytogenetic abnormalities predict treatment-free interval and response to therapy in previously untreated chronic lymphocytic leukemia patients. *Neoplasma.* 58, 82-8, 2011. (IF=1,44)
4. Očenáš P., Tomášová L., Kutschy P., Pazdera P., **Mojžiš J., Pilátová, M.**: Spirocyclisation of phytoalexin 1-methoxybrassinin in the presence of Grignard reagents. *Chem Papers* 67, 631–642, 2013. (IF=1,096).

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

1. Harvanová D, Tóthová T, **Sarišský M**, Amrichová J, Rosocha J.: Isolation and characterization of synovial mesenchymal stem cells. *Folia Biol (Praha).* 57, 119-24, 2011. (IF=1,151)
2. **Szilagyi K**, Podracka L, Franke NE, **Mojzis J, Mirossay L.**: A new link between steroid resistance, glucocorticoid receptor and nuclear factor kappa B p65 in idiopathic nephrotic syndrome. *Neuroendocrinol Lett.* 30, 629-36. 2009. (IF=1,047)
3. Vidinský B, **Gál P, Pilátová M, Vidová Z**, Solár P, **Varinská L, Ivanová L, Mojžiš J.**: Anti-proliferative and Anti-angiogenic Effects of CB2R Agonist (JWH-133) in Non-small Lung Cancer Cells (A549) and Human Umbilical Vein Endothelial Cells: an in Vitro Investigation. *Folia Biol (Praha)*, 58, 75-80, 2012. (IF=1,151)

ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS

1. Zain-El MH, Snincak M, Pahuli K, **Solarova Z**, Hrabcakova P. Non-dipping morning blood pressure and isolated systolic hypertension in elderly. *Bratisl Lek Listy.* 2013;114(3):150-4. (IF= 0,446)