

Vybrané publikácie (2020-2025)

ABA - Štúdie charakteru vedeckej monografie v časopisoch a zborníkoch vydané v zahraničných vydavateľstvách

1. Kubatka, P., Mazuráková, A., **Kello, M., Mojžiš, J.**, Solár, P., Solárová, Z., Žúbor, P., Zulli, A., Danko, J., Kabir, Y.: Plant-derived functional foods with chemopreventive and therapeutic potential against breast cancer: a review of the preclinical and clinical data. In: Functional Foods in Cancer Prevention and Therapy. - Londyn : Academic Press, 2020. - ISBN 9780128161517. - S. 283-314

ABC - Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

1. Bujňáková Z, Shpotyuk O, Dutková E, Tóthová E, Kováč J, **Kello M**, Baláž M, Baláž P. Chapter 8 - Processing of natural mineral magnetite for medical applications. In Biocompatible Hybrid Oxide Nanoparticles for Human Health. Elsevier pp. 125-143, 2019,

ACB - Vysokoškolské učebnice vydané v domácich vydavateľstvách

1. **Mirossay L, Mojžiš J**, a kol. : Základná farmakológia a farmakoterapia I. a II. druhé vydanie, Equilibria, Košice 2021, 1162 s. ISBN 978-80-8143-273-6

P1 - Pedagogický výstup publikačnej činnosti ako celok

1. Laca Megyesi, Š, **Michalková R**, Červený M.: Základy práva a etiky pre farmaceutov. Univerzita veterinárskeho lekárstva a farmácie v Košiciach, 2025. - 154 s. ISBN 9788080778699.

ADC - Vedecké práce v zahraničných karentovaných časopisoch

1. Budovská M, **Tischlerová V, Mojžiš J**, Kozlov O, Gondová T. An alternative approach to the synthesis of anticancer molecule spirobrassinin and its 2'-amino analogues. Monatshefte fur Chemie 151, 63-77, 2020 (IF=1,5; Q3)
2. Kubatka P, **Kello M**, Kajo K, Samec M, Jasek K, Vybohova D, Uramova S, Liskova A, Sadlonova V, Koklesova L, Murin R, Adamkov M, Smejkal K, Svajdlenka E, Solar P, Samuel SM, Kassayova M, Kwon TK, Zubor P, Pec M, Danko J, Büsselberg D, **Mojzis J**. Chemopreventive and Therapeutic Efficacy of Cinnamomum zeylanicum L. Bark in Experimental Breast Carcinoma: Mechanistic In Vivo and In Vitro Analyses. Molecules 25, pii: E1399, 2020 (IF=3,06; Q2)

3. Bujňáková Z, **Kello M**, Kováč J, Tóthová E, Shpotyuk O, Baláž P, **Mojžiš J**, Andrejko S. Preparation of As₄S₄/Fe₃O₄ nanosuspensions and in-vitro verification of their anticancer activity. *Mater Sci Eng C Mater Biol Appl.* 110:110683. 2020 (IF=4,959; Q1)
4. Samec M, Liskova A, Koklesova L, Samue SM, Zha K, Buhrmann C, Varghese E, Abotaleb M, Qaradakh T, Zulli A, **Kello M**, **Mojzis J.**, Zubor P, Kwon TK, Shakibaei M, Büsselberg D, Sarria GR, Golubnitschaja O, Kubatka P. Flavonoids against the Warburg phenotype—concepts of predictive, preventive and personalised medicine to cut the Gordian knot of cancer cell metabolism. *EPMA Journal* 11, 377-398, 2020 (IF=4,9; Q1)
5. Dutková E, Lukáčová Bujňáková Z, **Kello M**, **Mojžiš J**, Skurikhina O, Briančin J. Chitosan capped CuInS₂ and CuInS₂/ZnS by wet stirred media milling: in vitro verification of their potential bio-imaging applications. *Appl Nanosci* 10, 4661–4671 (IF= 3,674; Q3)
6. Kuzderová G, Rendošová M, Gyepes R. Almáši M, Sabolová D, Vilková M, Olejníková P, Hudecová D, **Kello M**, Vargová Z. In vitro biological evaluation and consideration about structure-activity relationship of silver (I) aminoacidate complexes. *Journal of Inorganic Biochemistry* 210, 111170, 2020 (IF=3.21; Q1)
7. **Solárová Z**, **Kello M**, Solár P. Apoptotic Effect of Homobrassinin and Thiazino [6, 5-b] indol is Associated with Downregulation of Heat Shock Proteins in Human Ovarian Adenocarcinoma Cells. *Acta Chimica Slovenica* 67, 2020 (IF=1.26; Q3)
8. **Kicova M**, **Michalova Z**, **Coma M**, Gabzdilova J, Dedinska K, Guman T, Bernatova S, **Hajikova M**, Giertlova M, Veselinyova D, **Sarissky M**. The expression of CD73 on pathological B-cells is associated with shorter overall survival of patients with CLL. *Neoplasma* 67, 933-938, 2020 (IF=1,72; Q3)
9. Jacková D, Brunderová M, Fábian M, Martinková M, Gonda J, **Pilátová MB**. Synthesis and anticancer profile of novel sphingoid base-like compounds with a quaternary stereocentre. *Carbohydr Res.* 487,107862, 2020 (IF=1,84; Q2)
10. Budovská M, Selešová I, **Tischlerová V**, **Michalková R**, **Mojžiš J**. Design, synthesis, and biological evaluation of novel 5-bromo derivatives of indole phytoalexins. *Monatsh Chem* 151, 1737–1758, 2020 (IF=1,34; Q3)
11. Timko L, Pisárčik M, Mrva M, Garajová M, Juhásová A, **Mojžiš J**, Mojžišová G, Bukovský M, Devínsky F, Lukáč M. Synthesis, physicochemical properties and biological activities of novel alkylphosphocholines with foscarnet moiety. *Bioorg Chem.* 104, 104224, 2020 (IF=4,83; Q1)
12. Kováč I, **Melegová N**, **Čoma M**, **Takáč P**, Kováčová K, Hollý M, Ďurkáč J, Urban L, Gurbáľová M, Švajdlenka E, Mojžišová G, Zajíček R, Szabó P, Mučaji P, Gál P.: Aesculus hippocastanum L. extract does not induce fibroblast to myofibroblast conversion but increases extracellular matrix production in vitro leading to increased wound tensile strength in rats. *Molecules* 25, 1-14, 2020 (IF=3,26; Q2)
13. Kubatka P, **Kello M**, Kajo K, Samec M, Liskova A, Jasek K, Koklesova L, **Kuruc T**, Adamkov M, Smejkal K, Svajdlenka E, Solar P, Pec M, Büsselberg D, Sadlonova V, **Mojzis J**. Rhus coriaria L. (Sumac) Demonstrates Oncostatic Activity in the Therapeutic and Preventive Model of Breast Carcinoma. *Int J Mol Sci.* 22, 183, 2021 (IF= 4.556; Q1)

14. Kudličková Z, Takáč P, Sabolová D, Vilková M, Baláž M, Béres T, **Mojžiš J**. Novel 1-methoxyindole- and 2-alkoxyindole-based chalcones: design, synthesis, characterization, antiproliferative activity and DNA, BSA binding interactions. *Med Chem Res* 30, 897-912, 2021. (IF= 1.78; Q3)
15. **Kuruc T, Kello M, Petrova K**, Kudlickova Z, Kubatka P, **Mojzis J**. The Newly Synthetized Chalcone L1 is Involved in the Cell Growth Inhibition, Induction of Apoptosis and Suppression of Epithelial-to-Mesenchymal Transition of HeLa Cells. *Molecules* 26, 1356, 2021 (IF=3.26; Q2)
16. **Gál P**, Vasilenko T, Kováč I, **Čoma M**, Jakubčo J, Jakubčová M, Perželová V, **Urban L**, Kolář M, Sabol F, Luczy J, Novotný M, Majerník J, Gabius HJ, Smetana KJ. Human galectin-3: Molecular switch of gene expression in dermal fibroblasts in vitro and of skin collagen organization in open wounds and tensile strength in incisions in vivo. *Mol Med Rep* 23, 11738, 2021. (IF=2,1; Q2)
17. **Čoma M**, Fröhlichová L, **Urban L**, Zajíček R, Urban T, Szabo P, Novák Š, Fetissov V, Dvořánková B, Smetana K Jr, **Gál P**. Molecular changes underlying hypertrophic scarring following burns involve specific deregulations at all wound healing stages (inflammation, proliferation and maturation). *Int J Mol Sci* 22, 1-20, 2021 (IF=4.55; Q1)
18. Očenášová L, Budovská M, Očenáš P, Tomášková N, **Pilátová MB, Mojžiš J**. The first synthesis of natural alkaloid capparine A. *Tetrahedron* 131772, 2021 (IF= 2,23; Q2)
19. Rendošová M, Gyepes R, Maruščáková IC, Mudroňová D, Sabolová D, **Kello M**, Vilková M, Almáši M, Huntošová V, Zemek O, Vargová Z . An in vitro selective inhibitory effect of silver(i) aminoacidates against bacteria and intestinal cell lines and elucidation of the mechanism of action by means of DNA binding properties, DNA cleavage and cell cycle arrest. *Dalton Trans.* 50, 936-953 2021 (IF=4,05; Q2)
20. Novák Š, Kolář M, Szabó A, Vernerová Z, Lacina L, Strnad H, Šáchová J, Hradilová M, Havránek J, Španko M, **Čoma M, Urban L, Kaňuchová M, Melegová N**, Gürlich R, Dvořák J, Smetana K Jr, **Gál P**, Szabo P. Desmoplastic Crosstalk in Pancreatic Ductal Adenocarcinoma Is Reflected by Different Responses of Panc-1, MIAPaCa-2, PaTu-8902, and CAPAN-2 Cell Lines to Cancer-associated/Normal Fibroblasts. *Cancer Genomics Proteomics*. 18, 221-243, 2021 (IF=3,28; Q2)
21. **Bogdanova A, Kello M, Macejova A, Nosalova N**, Petik P, Takac P, Martinkova M, Mezeiova E, **Mirossay L, Gal P, Pilatova MB**. Jaspine B Hydrochloride-induced Apoptosis in HeLa Cells Is Associated With Disrupted Sphingolipid Metabolism and Ceramide Overload. *Anticancer Res.* 41, 2875-2883, 2021 (IF=1,99; Q3)
22. **Kaňuchová M, Urban L, Melegová N, Čoma M**, Dvořánková B, Smetana K Jr, **Gál P**. Genistein does not inhibit TGF-beta1-induced conversion of human dermal fibroblasts to myofibroblasts. *Physiol Res.* 70, 815-820, 2021 (IF=2,14; Q3)
23. Do Pham DD, Jenčová V, **Kaňuchová M**, Bayram J, Grossová I, Šuca H, **Urban L**, Havlíčková K, Novotný V, Mikeš P, Mojz V, Asatiani N, Košťáková EK, Maixnerová M, Vlková A, Vítovská D, Šanderová H, Nemec A, Krásný L, Zajíček R, Lukáš D, Rejman D, **Gál P**. Novel lipophosphonoxin-loaded polycaprolactone electrospun nanofiber dressing reduces

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24. Petrovova E, Tomco M, Holovska K, Danko J, Kresakova L, Vdoviakova K, Simaiova V, Kolvek F, Hornakova P, Toth T, Zivcak J, **Gal P**, Sedmera D, Luptakova L, Medvecký L. PHB/CHIT Scaffold as a Promising Biopolymer in the Treatment of Osteochondral Defects- An Experimental Animal Study. Polymers (Basel), 13, 1232, 2021 (IF=4,97; Q1)

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

1. **Takac P, Kello M**, Vilkova M, Vaskova J, **Michalkova R**, Mojzisova G, **Mojzis J**. Antiproliferative Effect of Acridine Chalcone Is Mediated by Induction of Oxidative Stress. Biomolecules 10, pii: E345, 2020 (IF=4,65; Q1)
2. **Kello M, Takac P**, Kubatka P, **Kuruc T, Petrova K, Mojzis J**. Oxidative Stress-Induced DNA Damage and Apoptosis in Clove Buds-Treated MCF-7 Cells. Biomolecules 10, pii: E139, 2020 (IF=4,65; Q1)
3. Špaková I, Rabajdová M, Dubayová K, Nagyová V, **Pilátová MB**, Mareková M. Development of novel parameter for monitoring of malignant melanoma progression. Pract Lab Med. 22, e00182, 2020 (IF=1,7; Q3)
4. **Petrova K, Kello M, Kuruc T**, Backorova M, Petrovova E, Vilkova V, Goga M, Rucova D, Backor M, **Mojzis J**. Potential Effect of Pseudevernia furfuracea (L.) Zopf Extract and Metabolite Physodic Acid on Tumour Microenvironment Modulation in MCF-10A Cells. Biomolecules 11, 420, 2021 (IF=4,082; Q1)
5. **Michalkova R, Mirossay L, Gazdova M, Kello M, Mojzis J**. Molecular Mechanisms of Antiproliferative Effects of Natural Chalcones. Cancers 13, 2730 2021 (IF=6,126; Q1)
6. Hudec J, **Mojzis J**, Habanova M, Saraiva JA, Hradil P, Lipta, T, Kobida L, Haban M, Holovicova M, Zvercova D. In vitro Cytotoxic Effects of Secondary Metabolites Present in Sarcopoterium spinosum L. Appl. Sci. 11, 5300, 2021 (IF=2,474; Q2)
7. Kostova I, **Mojžiš J**, Chis V. Theoretical and Experimental Vibrational Characterization of Biologically Active Nd(III) Complex. Molecules, 26, 2726, 2021 (IF=4,41; Q2)
8. **Kello M, Kuruc T, Petrova K**, Goga M, **Michalova Z, Coma M**, Rucova D, **Mojzis J**. Pro-Apoptotic Potential of Pseudevernia furfuracea (L.) Zopf Extract and Isolated Physodic Acid in Acute Lymphoblastic Leukemia Model In Vitro. Pharmaceutics. 13, 2173, 2021. (IF=6,32; Q1)
9. **Gál P**, Vasilenko T, Kováč I, **Čoma M**, Jakubčo J, Jakubčová M, Perželová V, **Urban L**, Kolář M, Sabol F, Luczy J, Novotný M, Majerník J, Gabius HJ, Smetana KJ. Human galectin-3: Molecular switch of gene expression in dermal fibroblasts in vitro and of skin collagen organization in open wounds and tensile strength in incisions in vivo. Mol Med Rep, 23, 99. 2021 (IF=3,43; Q2)

10. **Čoma M**, Lachová V, Mitrengová P, **Gál P**. Molecular Changes Underlying Genistein Treatment of Wound Healing: A Review. *Curr. Issues Mol. Biol.* 43, 127-141, 2021 (IF=2,69; Q3)

V3 - Vedecký výstup publikačnej činnosti z časopisu

1. **Michalkova R, Kello M**, Kudlickova Z, **Gazdova M**, **Mirossay L, Mojzisova G, Mojzis J**. Programmed Cell Death Alterations Mediated by Synthetic Indole Chalcone Resulted in Cell Cycle Arrest, DNA Damage, Apoptosis and Signaling Pathway Modulations in Breast Cancer Model. *Pharmaceutics*, 14, 503, 2022 (IF=6,32; Q1)
2. **Bardelčíková A, Miroššay A**, Šoltýs J, **Mojžiš J**. Therapeutic and prophylactic effect of flavonoids in post-COVID-19 therapy. *Phytother Res.* 36, 2042-60, 2022, (IF=5,88; Q1)
3. Balážová Ľ, Kurhajec S, **Kello M**, Bedlovičová Z, **Zigová M**, Petrovová E, Beňová K, **Mojžiš J**, Eftimová J. Antiproliferative Effect of Phellodendron amurense Rupr. Based on Angiogenesis. *Life*, 12, 767, 2022 (IF=3,81; Q1)
4. Vílková M, **Michalková R, Kello M**, Sabolová D, Takáč P, Kudličková Z, Garberová M, Tvrdoňová M, Béres T, **Mojžiš J**. Discovery of novel acridine-chalcone hybrids with potent DNA binding and antiproliferative activity against MDA-MB-231 and MCF-7 cells. *Med Chem Res* 31, 1323–1338, 2022 (IF=1,65; Q3)
5. Budovska M, Krochtova K, **Michalkova R, Mojzis J**. Aminoanalogues of isobrassinin, erucalexin and isocyclobrassinin: Synthesis and evaluation of the antiproliferative and cytotoxic properties. *Tetrahedron* 120, 132898 2022 (IF=2,38; Q2)
6. **Petrová K**, Bačkorová M, Demčišáková Z, Petrovová E, Goga M, Vílková M, Frenák R, Bačkor M, **Mojžiš J, Kello M**. Usnic Acid Isolated from Usnea antarctica (Du Rietz) Reduced In Vitro Angiogenesis in VEGF- and bFGF-Stimulated HUVECs and Ex Ovo in Quail Chorioallantoic Membrane (CAM) Assay. *Life* 12, 1444, 2022 (IF=3, 25; Q1).
7. **Gazdova M, Michalkova R, Kello M**, Vílkova M, Kudlickova Z, Baloghova J, **Mirossay L, Mojzis J**. Chalcone-Acridine Hybrid Suppresses Melanoma Cell Progression via G2/M Cell Cycle Arrest, DNA Damage, Apoptosis, and Modulation of MAP Kinases Activity. *Int J Mol Sci.* 23, 12266, 2022 (IF=6,208; Q1)
8. Gibarti C, **Urban L**, Vícha B, Hánová K, Gallovičová A, Koribský R, Majerník J, **Gál P**, Lukačín Š, Studenčan M. Determining optimal threshold for lumen stenosis in coronary CT angiography to select patients for heart catheterization: a single-center retrospective analysis. *Cardiol Lett.* 31, 284-290, 2022 (IF=0,136; Q4)
9. Mazurakova A, Koklesova L, Samec M, Kudela E, Sivakova J, Pribulova T, Pec MJ, Pec M, **Kello M**, Büsselberg D, Golubnitschaja O, Gaspar L, Caprnda M, Adamek M, Prosecky R, Eminova E, Baranenko D, Kruzliak P, Kubatka P, Biringier K. Flavonoids exert potential in the management of hypertensive disorders in pregnancy. *Pregnancy Hypertens.* 29, 72-85, 2022 (IF=2,492; Q1)

10. Jakabčín P, **Kello M**, Záh J, Kolář J, Uličný J. Hetastarch induced volume changes of starving adenoma and suggested mechanism of action. *Sci Rep.* 12, 17988. 2022 (IF=4,6; Q1)
11. Kepeňová M, **Kello M**, Smolková R, Goga M, Frenák R, Tkáčiková L, Litecká M, Šubrt J, Potočňák I. Low-Dimensional Compounds Containing Bioactive Ligands. Part XIX: Crystal Structures and Biological Properties of Copper Complexes with Halogen and Nitro Derivatives of 8-Hydroxyquinoline. *Inorganics.* 10, 223, 2022 (IF=3,15; Q2)
12. **Melegová N, Čoma M, Urban L, Kaňuchová M**, Szabo P, Smetana K Jr, Mučaji P, **Gál P**. *Aesculus hippocastanum* L. extract differently modulates normal human dermal fibroblasts and cancer-associated fibroblasts from basal/squamous cell carcinoma. *Neoplasma* 69, 224-232, 2022 (IF=2,0; Q3)
13. Vasilenko T, Kováč I, Slezák M, Ďurkáč J, Peržel'ová V, **Čoma M, Kaňuchová M, Urban L**, Szabo P, Dvořánková B, Vrzgula A, Zajíček R, Smetana K Jr, **Gál P**. *Agrimonia eupatoria* L. Aqueous Extract Improves Skin Wound Healing: An *In Vitro* Study in Fibroblasts and Keratinocytes and *In Vivo* Study in Rats. *In Vivo.* 36, 1236-1244. 2022 (IF=1,8; Q3)
14. **Gál P**, Brábek J, Holub M, Jakubek M, Šedo A, Lacina L, Strnadová K, Dubový P, Hornychová H, Ryška A, Smetana K Jr. Autoimmunity, cancer and COVID-19 abnormally activate wound healing pathways: critical role of inflammation. *Histochem Cell Biol.* 158, 415-434, 2022 (IF= 2,1; Q2)
15. Stahorský M, Lukáčová Bujňáková Z, Dutková E, **Kello M**, Mahlovanyi B, Shpotyuk Y, Daneu N, Trajić J, Baláž M. Mechanochemical Preparation, Characterization and Biological Activity of Stable CuS Nanosuspension Capped by Bovine Serum Albumin. *Front Chem.* 10, 836795, 2022 (IF=5,54; Q1)
16. Kudličková Z, Stahorský M, **Michalková R**, Vilková M, Baláž M. Mechanochemical synthesis of indolyl chalcones with antiproliferative activity. *Green Chem Lett Rev* 15, 474-482, 2022 (IF=6,6; Q1)
17. Budovska M, **Michalkova R., Kello M.,** Vaskova J., **Mojzis J.:** Design, Synthesis and Antiproliferative Evaluation of Bis-Indole Derivatives with a Phenyl Linker: Focus on Autophagy. *Molecules* 28, 251, 2023 (IF=4,6; Q2)
18. **Kello M.,** Goga M., Kotorova K., **Sebova D.,** Frenak R., Tkacikova L., **Mojzis J.:** Screening Evaluation of Antiproliferative, Antimicrobial and Antioxidant Activity of Lichen Extracts and Secondary Metabolites In Vitro. *Plants* 12, 611, 2023 (IF=4,5; Q1)
19. **Bardelčíková A,** Šoltys J, **Mojžiš J.:** Oxidative Stress, Inflammation and Colorectal Cancer: An Overview. *Antioxidants (Basel)* 12, 901, 2023 (IF=7,0; Q1).
20. Michalkova R, Kello M, Cizmarikova M, Bardelcikova A, Mirossay L, Mojzis J.: Chalcones and Gastrointestinal Cancers: Experimental Evidence. *Int J Mol Sci.* 24, 5964, 2023 (IF=4,9; Q1).
21. **Michalkova R, Mirossay L, Kello M,** Mojzisova G, Baloghova J, Podracka A, **Mojzis J.** Anticancer Potential of Natural Chalcones: In Vitro and In Vivo Evidence. *Int. J. Mol. Sci.* 24, 10354, 2023 (IF=4,9; Q1)

22. Budovská M, **Michalková R, Mojžiš J**. Indole phytoalexins-derived bis-indoles: Design, synthesis and in vitro antiproliferative evaluation. *Tetrahedron*, 133573, 2023 (IF=2,388; Q2).
23. Baloghová J, **Michalková R**, Baranová Z, Mojžišová G, Fedáková Z, **Mojžiš J**. Spice-Derived Phenolic Compounds: Potential for Skin Cancer Prevention and Therapy. *Molecules* 28, 6251, 2023 (IF=4,6; Q2).
24. Kudličková Z, **Michalková R**, Salayová A, Ksiažek M, Vilková M, Bekešová S, **Mojžiš J**. Design, Synthesis, and Evaluation of Novel Indole Hybrid Chalcones and Their Antiproliferative and Antioxidant Activity. *Molecules* 28, 6583, 2023 (IF=4,6; Q2).
25. **Čižmáriková M, Michalková R, Mirossay L**, Mojžišová G, **Zigová M, Bardelčíková A, Mojžiš J**. Ellagic Acid and Cancer Hallmarks: Insights from Experimental Evidence. *Biomolecules*. 13, 1653, 2023 (IF=5,5; Q1)
26. **Pilatova MB, Nosalova N**, Ockajakova G, **Kello M**, Kotorova K, Takac P, Petik P, Bohus P, Stankova K, Martinkova M, Mezencev R. Homospisulosine induced apoptosis in cervical carcinoma cells is associated with phosphorylation of Bcl-2 and up-regulation of p27/Kip1. *J Appl Biomed*. 21, 218-227, 2023 ((IF=2,0; Q3)
27. **Nosalova N, Keselakova A, Kello M**, Martinkova M, Fabianova D, **Pilatova MB**. Involvement of Both Extrinsic and Intrinsic Apoptotic Pathways in Tridecylpyrrolidine-Diol Derivative-Induced Apoptosis In Vitro. *Int J Mol Sci*. 24, 1696, 2023, (IF=4,9; Q1)
28. Rendošová M, Gyepes R, Sovová S, Sabolová D, Vilková M, Olejníková P, **Kello M**, Lakatoš B, Vargová Z. Ga(III) pyridinecarboxylate complexes: potential analogues of the second generation of therapeutic Ga(III) complexes? *J Biol Inorg Chem*. 28, 591-611, 2023 (IF=2,7; Q2)
29. Harmošová M, Vilková M, **Kello M**, Smolko L, Samol'ová E, Šebová D, Potočník I. Low-dimensional compounds containing bioactive ligands. XXII. First crystal structure, cytotoxic activity and DNA and HSA binding of a zirconium(IV) complex with 8-hydroxyquinoline-2-carboxylic acid. *Acta Crystallogr C Struct Chem* 79, 316-323, 2023 (IF=2,3; Q2)
30. Mazurakova A, Koklesova L, Vybohova D, Samec M, Kudela E, Biringer K, Šudomová M, Hassan STS, **Kello M**, Büsselberg D, Golubnitschaja O, Kubatka P. Therapy-resistant breast cancer in focus: Clinically relevant mitigation by flavonoids targeting cancer stem cells. *Front Pharmacol*. 14, 1160068. 2023 (IF=4,4; Q1)
31. Székiová E, Michalová Z, Blaško J, Mucha R, Slovinská L, **Kello M**, Vanický I. Characterisation of mesenchymal stem cells conditioned media obtained at different conditioning times: their effect on glial cells in *in vitro* scratch model. *Growth Factors* 41, 57-70, 2023 (IF=1,8; Q4)
32. **Urban L, Čoma M**, Lacina L, Szabo P, Sabová J, Urban T, Šuca H, Lukačín Š, Zajíček R, Smetana K Jr, **Gál P**. Heterogeneous response to TGF-β1/3 isoforms in fibroblasts of different origins: implications for wound healing and tumorigenesis. *Histochem Cell Biol* 160, 541-554, 2023 (IF= 2,1; Q2)

33. **Čoma M**, Manning JC, Kaltner H, **Gál P**. The sweet side of wound healing: galectins as promising therapeutic targets in hemostasis, inflammation, proliferation, and maturation/remodeling. *Expert Opin Ther Targets* 27, 41-53. 2023 (IF= 4,6; Q1)
34. Mazurakova A, **Solarova Z**, Koklesova L, Caprnda M, Prosecky R, Khakymov A, Baranenko D, Kubatka P, **Mirossay L**, Kruzliak P, Solar P. Heat shock proteins in cancer - Known but always being rediscovered: Their perspectives in cancer immunotherapy. *Adv Med Sci* 68, 464-473, 2023 (IF= 2,5; Q3)
35. **Pilátová MB**, **Solárová Z**, Mezencev R, **Solár P**. Ceramides and their roles in programmed cell death. *Adv Med Sci* 68, 417-425, 2023 (IF= 2,5; Q3)
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O3 - Odborný výstup publikačnej činnosti z časopisu

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