

CC 2007: 34; 2008: 44; 2009: 37; 2010: 38; 2011: 31;

NON-CC 2007: 8; 2008: 3; 2009: 2; 2010: 8; 2011: 3;

## 2007

### Monographs published in Slovakia: 1

- [1] TOMEK, D. - BIELIK, J. - CHALUPOVÁ, V. - KOZA, I. - ONDRUŠOVÁ, M. - BAŇASOVÁ, K. - ŠPÁNIK, S. - KAUSÍTZ, J. - MARENČÁK, J. - MARDIAK, J. - FOLTÁN, V. - CHALUPA, I. - KOREŇ, B. - ŠÁLEK, T. - ŠUFLIARSKY, J. - OBŠITNÍK, B. - LESÁKOVÁ, V. - TÓTH, K. - HRMOVÁ, D. - VENCELOVÁ, M. - GLATZ, P.: *Inovácie v systémovej liečbe vybraných onkologických ochorení*. Med-In Alfa, 2007, ISBN 978-80-969659

### Chapters in monographs published abroad: 2

- [1] BOZSAKY, E. - WSOLOVA, L. - KALLAY, J. - CHALUPA, I.: Spontaneous and Induced Chromosomal Instability in Patients with Carcinoma of Cervix Uteri. In Eleanor J. Goscow.: *Spontaneous and Induced Chromosomal Instability in Patients with Carcinoma of Cervix Uteri*. Nova Science Publishers, Inc., New York, 2007, ISBN 1-60021-320-0, s. 77-98.
- [2] CHOVANEC, M. - KYSELA, B. - DUDÁŠOVÁ, Z. - DOHERTY, A.J.: DNA non-homologous end-joining in unicellular organisms. In Valon, C. L.: *DNA non-homologous end-joining in unicellular organisms*. Nova Science Publishers, Inc., 2007, ISBN 1-59454-664-9, s. 149-188.

### Chapters in monographs published in Slovakia: 4

- [1] KOGAN, G. - MIADOKOVÁ, E. - SLAMEŇOVÁ, D. - BABINCOVA, M. - RAUKO, P.: Antioxidant, antimutagenic and antitumor activity of yeast cell wall polysaccharides. In Ďuračková Z., Knasmuller S.: *Antioxidant, antimutagenic and antitumor activity of yeast cell wall polysaccharides*. Mind & Health civil association, Slovak Academic Press Ltd., 2007, ISBN 978-80-8095-0, s. 235-251.
- [2] ONDRUŠOVÁ, M.: Epidemiológia onkologických ochorení na Slovensku.. In Tomek D., Bielik J.: *Epidemiológia onkologických ochorení na Slovensku..* Med-In Alfa, 2007, ISBN 978-80-969659, s. 290.
- [3] PLEŠKO, I.: Nádorové ochorenia spôsobené užívaním tabaku. In Redhammer, M.: *Nádorové ochorenia spôsobené užívaním tabaku*. SAP Bratislava, 2007, ISBN 978-80-8095-0, s. 43-61.
- [4] SLAMEŇOVÁ, D. - HORVÁTHOVÁ, E. - ŠRAMKOVÁ, M. - LÁBAJ, J.: Toxic, genotoxic and DNA-protective effects of selected plant volatiles on human cells cultured in vitro. In Ďuračková Z., Knasmuller S.: *Toxic, genotoxic and DNA-protective effects of selected plant volatiles on human cells cultured in vitro*. Mind & Health civil association, Slovak Academic Press Ltd, 2007, ISBN 978-80-8095-0, s. 149-170.

### WOS publications: 34

- [1] ALEMAYEHU, A. - FRIDRICHOVÁ, I.: The MRE11/RAD50/NBS1 complex destabilization in Lynch-syndrome patients. In **European journal of human genetics**. Vol. 15 no. 9 (2007), p. 922-929. (4.003-IF2007)
- [2] ALEMAYEHU, A. - TOMKOVÁ, K. - ZÁVODNÁ, K. - VENTUSOVA, K. - KRIVULČÍK, T. - BUJALKOVÁ, M. - BARTOŠOVÁ, Z. - FRIDRICHOVÁ, I.: The role of clinical criteria, genetic and epigenetic alterations in Lynch-syndrome diagnosis. In **Neoplasma**. Vol. 54 no. 5 (2007), p. 391-401. (1.208-IF2007)

- [3] BAJDICHOVÁ, M. - PAULIKOVÁ, H. - JAKUBÍKOVÁ, J. - SABOLOVÁ, D.: Comparison of inhibition of murine leukaemia cell growth by 9-isothiocyanatoacridine and its cytosine adduct: involvement of thiols. In **Neoplasma**. Vol. 54 no. 6 (2007), p. 463-470. (1.208-IF2007)
- [4] BARTOŠOVÁ, Z. - ZÁVODNÁ, K. - KRIVULČÍK, T. - UŠÁK, J. - MLKVA, I. - KRUŽLIAK, T. - HROMEČ, J. - KOPECKÁ, I. - UŠÁKOVÁ, V. - VEREŠ, P. - BARTOSOVA, JR., Z. - BUJALKOVÁ, M.: STK11/LKB1 germline mutations in the first Peutz-Jeghers syndrome patients identified in Slovakia. In **Neoplasma**. Vol. 54 no. 2 (2007), p. 101-107. (1.208-IF2007)
- [5] BOĎO, J. - DURAJ, J. - JAKUBÍKOVÁ, J. - SEDLÁK, J.: Isothiocyanate E-4IB induces MAPK activation, delayed cell cycle transition and apoptosis. In **Cell proliferation**. Vol. 40 no. 3 (2007), p. 316-326. (3.12-IF2007)
- [6] CHOVANEC, M. - WILSON, T.: Restricting the ligation step of non-homologous end-joining. In **DNA repair**. Vol. 6 no. 12 (2007), p. 1890-1893. (4.018-IF2007)
- [7] DUDÁŠ, A. - VLASÁKOVÁ, D. - DUDÁŠOVÁ, Z. - GABČOVÁ, D. - BROZMANOVÁ, J. - CHOVANEC, M.: Further characterization of the role of Pso2 in the repair of DNA interstrand cross-link-associated double-strand breaks in *Saccharomyces cerevisiae*. In **Neoplasma**. Vol. 54 no. 3 (2007), p. 189-194. (1.208-IF2007)
- [8] GALLAIS, R. - DEMAY, F. - BARÁTH, P. - FINOT, L. - JURKOWSKA, R. - LE GUEVEL, R. - GAY, F. - JELTSCH, A. - METIVIER, R. - SALBERT, G.: Dnmt 3a and 3b associate with the nuclear orphan receptor COUP-TFI during gene activation.. In **Molecular Endocrinology**. Vol. 21 no. 9 (2007), p. 2085-2098. (5.337-IF2007)
- [9] GARINO, E. - MIERTUS, J. - BERRINO, M. - BERTINETTO, F. - CAROPRESO, P. - GAY, V. - MAZZOLA, G. - TONDAT, F. - FRECER, V. - MIERTUŠ, S. - AMOROSO, A.: Molecular aspects of a novel HLA-A\*02 allele (A\*0297): the first HLA class I allele mutated at codon 232†. In **Tissue antigens**. Vol. 69 no. 4 (2007), p. 342-347. (2.245-IF2007)
- [10] GURSKÁ, S. - FARKAŠOVÁ, T. - GÁBELOVÁ, A.: Radiosensitivity of cervical cancer cell lines; the impact of polymorphisms in DNA repair genes. In **Neoplasma**. Vol. 54 no. 3 (2007), p. 195-201. (1.208-IF2007)
- [11] GÁBELOVÁ, A. - VALOVIČOVÁ, Z. - BAČOVÁ, G. - LÁBAJ, J. - BINKOVÁ, B. - TOPINKA, J. - SEVASTYANOVA, O. - ŠRÁM, R. - KALINA, I. - HABALOVÁ, V. - POPOV, T. - PANEV, T. - FARMER, P.: Sensitivity of different endpoints for in vitro measurement of genotoxicity of extractable organic matter associated with ambient airborne particles (PM10). In **Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis**. Vol. 620 no. (2007), p. 103-113. (4.159-IF2007)
- [12] GÁBELOVÁ, A. - VALOVIČOVÁ, Z. - LÁBAJ, J. - BAČOVÁ, G. - BINKOVÁ, B. - FARMER, P.: Assessment of oxidative DNA damage formation by organic complex mixtures from airborne particles PM10. In **Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis**. Vol. 620 no. (2007), p. 135-144. (4.159-IF2007)
- [13] HORVÁTHOVÁ, E. - SLAMEŇOVÁ, D.: Effects of borneol, a bicyclic terpene, on human cells of different origin. In **Chemické listy**. Vol. 101 no. 14 (2007), p. 107-109. (0.683-IF2007)
- [14] HORVÁTHOVÁ, E. - TURČÁNIOVÁ, V. - SLAMEŇOVÁ, D.: Comparative study of DNA-damaging and DNA-protective effects of selected components of essential plant oils in human leukemic cells K562. In **Neoplasma**. Vol. 54 no. 6 (2007), p. 478-483. (1.208-IF2007)
- [15] HUNÁKOVÁ, Ľ. - BOĎO, J. - CHOVANCOVÁ, J. - SULIKOVA, G. - PASTOREKOVÁ, S. - SEDLÁK, J.: Expression of new prognostic markers, peripheral-type benzodiazepine receptor and carbonic anhydrase IX, in human breast and ovarian carcinoma cell lines. In **Neoplasma**. Vol. 54 no. 6 (2007), p. 541-548. (1.208-IF2007)

- [16] JANTOVÁ, S. - ČIPÁK, L. - LETASIOVA, S.: Berberine induces apoptosis through a mitochondrial/caspase pathway in human promonocytic U937 cells. In **Toxicology in vitro**. Vol. 21 no. 1 (2007), p. 25-31. (2.193-IF2007)
- [17] KOPÁSKOVÁ, M. - MIADOKOVÁ, E. - NAĐOVÁ, S. - HALASZOVA, E. - KOGAN, G. - RAUKO, P. - ČIPÁK, L.: Potential antimutagenic effect of polysaccharide N-(2-carboxyethyl) chitosan. In **Chemické listy**. Vol. 101 no. 14 (2007), p. 110-112. (0.683-IF2007)
- [18] KUBÍK, A. - ZATLOUKAL, P. - TOMÁŠEK, L. - PAUK, N. - DOLEZAL, J. - PLEŠKO, I.: Interactions between smoking and other exposures associated with lung cancer risk in women: diet and physical activity. In **Neoplasma**. Vol. 54 no. 1 (2007), p. 83-88. (1.208-IF2007)
- [19] KUČEROVÁ, L. - ALTANEROVÁ, V. - MATÚŠKOVÁ, M. - TYČIAKOVÁ, S. - ALTANER, Č.: Adipose Tissue-Derived Human Mesenchymal Stem Cells Mediated Prodrug Cancer Gene therapy. In **Cancer research**. Vol. 67 no. 13 (2007), p. 6304-6313. (7.672-IF2007)
- [20] LEHOČKÝ, P. - MCHUGH, P. - CHOVANEC, M.: DNA interstrand cross-link repair in *Saccharomyces cerevisiae*. In **FEMS microbiology reviews**. Vol. 31 no. 2 (2007), p. 109-133. (9.25-IF2007)
- [21] LÁBAJ, J. - SLAMENŇOVÁ, D. - LAZAROVÁ, M. - KOŠÍKOVÁ, B.: Induction of DNA-lesions in Freshly Isolated Rat Hepatocytes by Different Genotoxins and Their Reduction by Lignin Given Either as a Dietary Component or in In Vitro Conditions. In **Nutrition and cancer - an international journal**. Vol. 57 no. 2 (2007), p. 209-215. (2.361-IF2007)
- [22] MARKOVÁ, E. - SCHULTZ, N. - BELYAEV, I.: Kinetics and dose-response of residual 53BP1/H2AX foci: Co-localization, relationship with DSB repair and clonogenic survival. In **International journal of radiation biology**. Vol. 83 no. 5 (2007), p. 319-329. (1.468-IF2007)
- [23] MARKUS, J. - GARIN, M. - BIES, J. - GALILI, N. - RAZA, A. - THIRMAN, M. - LE BEAU, M. - ROWLEY, J. - LIU, P. - WOLFF, L.: Methylation-Independent Silencing of the Tumor Suppressor INK4b (p15) by CFBF-SMMHC in Acute Myelogenous Leukemia with inv(16). In **Cancer research**. Vol. 67 no. 3 (2007), p. 992-1000. (7.672-IF2007)
- [24] MIADOKOVÁ, E. - NAĐOVÁ, S. - PRAŽMÁRIOVÁ, E. - KOPÁSKOVÁ, M. - KOGAN, G. - RAUKO, P.: Bio-modulatory effect of microbial polysaccharide carboxymethyl glucan. In **Chemické listy**. Vol. 101 no. 14 (2007), p. 131-133. (0.683-IF2007)
- [25] NAĐOVÁ, S. - MIADOKOVÁ, E. - ČIPÁK, L.: Flavonoids potentiate the efficacy of cytarabine through modulation of drug-induced apoptosis. In **Neoplasma**. Vol. 54 no. 3 (2007), p. 202-206. (1.208-IF2007)
- [26] ONDRUŠ, D. - ONDRUŠOVÁ, M. - HORŇÁK, M. - MATOSKA, J.: Nonseminomatous germ cell testicular tumors - clinical stage I: differentiated therapeutic approach in comparison with therapeutic approach using surveillance strategy only. In **Neoplasma**. Vol. 54 no. 5 (2007), p. 437-442. (1.208-IF2007)
- [27] POLÁKOVÁ, K. - BANDZUCHOVÁ, E. - TIRPÁKOVÁ, J. - KUBA, D. - RUSS, G.: Modulation of HLA-G expression. In **Neoplasma**. Vol. 54 no. 6 (2007), p. 455-462. (1.208-IF2007)
- [28] RAUKO, P. - NOVOTNÝ, L. - MEGO, M. - SAIKO, P. - SCHOTT, H. - SZEKERES, T.: In vitro and in vivo antileukemic effect of novel dimers consisting of 5-fluorodeoxyuridine and arabinofuranosylcytosine.. In **Neoplasma**. Vol. 54 no. 1 (2007), p. 68-74. (1.208-IF2007)
- [29] RUAN, Q. - LIU, T. - KOLBANOVSKIY, A. - LIU, Y. - REN, J. - ŠKORVAGA, M. - ZOU, Y. - LADER, J. - MALKANI, B. - AMIN, S. - VAN HOUTEN, B. - GEACINTOV, N.: Sequence context- and temperature-dependent nucleotide excision repair of a benzo(a)pyrene diol epoxide-guanine DNA adduct catalyzed by thermophilic UvrABC proteins. In **Biochemistry**. Vol. 46 no. 23 (2007), p. 7006-7015. (3.368-IF2007)

- [30] SANT, M. - AARELEID, T. - ARTIOLI, M. - BERRINO, F. - COEBERGH, J. - COLONNA, M. - FORMAN, D. - HÉDELIN, G. - RACHTAN, J. - LUTZ, J. - OTTER, R. - RAVERDY, N. - PLEŠKO, I. - PRIMIC-ZAKELJ, M. - TAGLIABUE, G.: Ten-year survival and risk of relapse for testicular cancer: A EURO CARE high resolution study. In **European Journal of Cancer**. Vol. 43 no. 3 (2007), p. 585-592. (4.454-IF2007)
- [31] SLAMEŇOVÁ, D. - HORVÁTHOVÁ, E. - ŠRAMKOVÁ, M. - MARŠÁLKOVÁ, L.: DNA-protective effects of two components of essential plant oils carvacrol and thymol on mammalian cells cultured in vitro.. In **Neoplasma**. Vol. 54 no. 2 (2007), p. 108-112. (1.208-IF2007)
- [32] ZAJAC, V. - ŠTEVURKOVÁ, V. - MÁTELOVÁ, L. - UJHÁZY, E.: Detection of HIV-1 sequences in intestinal bacteria of HIV/AIDS patients. In **Neuroendocrinology Letters**. Vol. 28 no. 5 (2007), p. 591-595. (1.443-IF2007)
- [33] ČIPÁK, L. - LETAŠIOVÁ, S. - REPICKÝ, A. - JANTOVÁ, S.: New (1,2,4)triazolo(4,3-c)quinazoline enhances cisplatin- and temozolomide-induced growth inhibition and apoptosis in HL-60 cells. In **Neoplasma**. Vol. 54 no. 1 (2007), p. 16-20. (1.208-IF2007)
- [34] ŽELEZNÍKOVÁ, T. - ŠTEVULOVÁ, L. - KOVARIKOVÁ, A. - BABUŠIKOVÁ, O.: Increased myeloid precursors in regenerating bone marrow; implications for detection of minimal residual disease in acute myeloid leukemia. In **Neoplasma**. Vol. 54 no. 6 (2007), p. 471-477. (1.208-IF2007)

### Scientific publications in other journals: 8

- [1] ONDRUŠOVÁ, M.: Epidemiológia zhubných nádorov v SR. In **Via practica**. Vol. 4 no. s2 (2007), p. 6-9.
- [2] ONDRUŠOVÁ, M.: Legislatívna povinnosť hlásiť výskyt zhubných nádorov sa týka aj urológov. In **Urologia**. Vol. 13 no. 4 (2007), p. 23-27.
- [3] ONDRUŠOVÁ, M. - DUSEK, L. - ONDRUŠ, D. - MUŽIK, J.: Aká je dostupnosť údajov o epidemiológii zhubných nádorov v Slovenskej republike. In **Onkológia**. Vol. 2 no. 5 (2007), p. 1-3.
- [4] ONDRUŠOVÁ, M. - ONDRUŠ, D. - DUSEK, L. - MUŽIK, J. - KUBÁSEK, M.: Webový informačný systém o epidemiológii zhubných nádorov v SR. In **Revue mediciny v praxi**. Vol. 5 no. 6 (2007), p. 5-7.
- [5] ONDRUŠOVÁ, M. - ONDRUŠ, D. - MUŽIK, J. - DUSEK, L. - KUBÁSEK, M.: Dostupnosť k informáciám o výskyte zhubných nádorov v SR a legislatívna povinnosť hlásiť ich výskyt. In **Slovenská chirurgia**. Vol. 4 no. 6 (2007), p. 20-25.
- [6] PLEŠKO, I.: Epidemiológia zhubných nádorov anusu a análneho otvoru. In **Gastroenterológia pre prax**. Vol. 6 no. 2 (2007), p. 52-53.
- [7] VANUGA, P. - PURA, M. - PLEŠKO, I. - ONDRUŠOVÁ, M.: Incidencia zhubných nádorov štítnej žľazy v Slovenskej republike: viacročné skúsenosti z jedného pracoviska v kontexte celoslovenských údajov. In **Časopis lékařů českých**. Vol. 146 no. 2 (2007), p. 148-152.
- [8] ČIPÁK, L. - REPICKÝ, A. - JANTOVÁ, S.: Growth inhibition and apoptosis induced by 2-phenoxyethyl-3H-quinazolin-4-one in HL-60 leukemia cells. In **Experimental Oncology**. Vol. 29 no. 1 (2007), p. 13-17.

**2008****Monographs published abroad: 1**

- [1] BENICHO, J. - BONIOL., C. - LAVECCHIA, F. - LEVI., P. - MAISONNEUVE, C. - MAZZETTA, A. - D'ONOFRIO, E. - PLESKO, I. - ČLEN, S. - PUKKALA, MJ. - QUINN, C. - ROBERTSON, D. - ZARIDZE, D. - ZATONSKI, W. *Atlas of cancer mortality in Europe*. IARC, 2008, ISBN 159.

**WOS publications: 44**

- [1] ALEMAYEHU, A. - ŠEBOVÁ, K. - FRIDRICHOVÁ, I.: Redundant DNA methylation in colorectal cancers of Lynch-syndrome patients. In **Genes, Chromosomes & Cancer**. Vol. 47 no. 10 (2008), p. 906-914. (3.925-IF2008)
- [2] ALTANER, Č.: Glioblastoma and stem cells. Minireview. In **Neoplasma**. Vol. 55 no. 5 (2008), p. 369-374. (1.179-IF2008)
- [3] ALTANER, Č.: Prodrug cancer gene therapy. In **Cancer Letters**. Vol. 270 no. 2 (2008), p. 191-201. (3.504-IF2008)
- [4] BABINCOVÁ, M. - ALTANEROVÁ, V. - ALTANER, Č. - BERGEMANN, C. - BABINEC, P.: In Vitro Analysis of Cisplatin Functionalized Magnetic Nanoparticles in Combined Cancer. In **IEEE Transactions on Nanobioscience**. Vol. 7 no. 1 (2008), p. 15-19. (1.341-IF2008)
- [5] BABUŠKOVÁ, O. - ŽELEZNÍKOVÁ, T.: Normal maturation sequence of immunoglobulin light and heavy chains in hematogone stages 1, 2 and 3 in acute leukemia after treatment.. In **Neoplasma**. Vol. 55 no. 6 (2008), p. 501-506. (1.179-IF2008)
- [6] BABUŠKOVÁ, O. - ŽELEZNÍKOVÁ, T. - KIRSCHNEROVÁ, G. - KANKURI, E.: Hematogones in acute leukemia during and after therapy. In **Leukemia Lymphoma**. Vol. 49 no. 10 (2008), p. 1935-1944. (1.939-IF2008)
- [7] BELYAEV, I. - MATRONCHIK, A.: Mechanism for combined action of microwaves and static magnetic field: slow non uniform rotation of charged nucleoid.. In **Electromagnetic Biology and Medicine**. Vol. 27 no. 4 (2008), p. 340-354. (0.692-IF2008)
- [8] BUJALCOVÁ, M. - ZÁVODNÁ, K. - KRIVULČÍK, T. - ILENČÍKOVÁ, D. - WOLF, B. - KOVÁČ, M. - KARNER-HANUSCH, J. - HEINIMANN, K. - MARRA, G. - JIRICNY, J. - BARTOŠOVÁ, Z.: Multiplex SNaPshot genotyping for detecting loss of heterozygosity involving the mismatch repair genes MLH1 and MSH2 in microsatellite unstable tumors.. In **Clinical Chemistry**. Vol. 54 no. 11 (2008), p. 1844-1854. (5.579-IF2008)
- [9] CHOLUJOVÁ, D. - JAKUBÍKOVÁ, J. - KUBES, M. - ARENDACKÁ, B. - SAPÁK, M. - IHNATKO, R. - SEDLÁK, J.: Comparative study of four fluorescent probes for evaluation of natural killer cell cytotoxicity assays. In **Immunobiology**. Vol. 213 no. 8 (2008), p. 629-640. (3.461-IF2008)
- [10] FARKAŠOVÁ, T. - GURSKÁ, S. - WITKOVSKÝ, V. - GÁBELOVÁ, A.: Significance of amino acid substitution variants of DNA repair genes in radiosusceptibility of cervical cancer patients; a pilot study. In **Neoplasma**. Vol. 55 no. 4 (2008), p. 334-341. (1.179-IF2008)
- [11] FRECER, V. - BERTI, F. - BENEDETTI, F. - MIERTUŠ, S.: Design of peptidomimetic inhibitors of aspartic protease of HIV-1 containing -Phe Psi Pro- core and displaying favourable ADME-related properties.. In **Journal of Molecular Graphics and Modelling**. Vol. 27 no. 3 (2008), p. 376-387. (2.347-IF2008)
- [12] GERYKOVA BUJALKOVA, M. - KRIVULČÍK, T. - BARTOŠOVÁ, Z.: Novel approaches in evaluation of pathogenicity of single-base exonic germline changes involving the mismatch repair genes MLH1 and MSH2 in diagnostics of Lynch syndrome. In **Neoplasma**. Vol. 55 no. 6 (2008), p. 463-471. (1.179-IF2008)

- [13] GÁBELOVÁ, A. - FARKAŠOVÁ, T. - GURSKÁ, S. - MACHÁČKOVÁ, Z. - LUKAČKO, P. - WITKOVSKÝ, V.: Radiosensitivity of peripheral blood lymphocytes from healthy donors and cervical cancer patients; the correspondence of in vitro data with the clinical outcome.. In **Neoplasma**. Vol. 55 no. 3 (2008), p. 182-191. (1.179-IF2008)
- [14] HORVÁTHOVÁ, E. - ECKL, P. - BRESGEN, N. - SLAMEŇOVÁ, D.: Evaluation of genotoxic and cytotoxic effects of H<sub>2</sub>O<sub>2</sub> and DMNQ on freshly isolated rat hepatocytes; protective effects of carboxymethyl chitin-glucan. In **Neuroendocrinology Letters**. Vol. 29 no. 5 (2008), p. 644-648. (1.359-IF2008)
- [15] JANTOVÁ, S. - REPICKÝ, A. - LETAŠIOVÁ, S. - ČIPÁK, L.: 4-Amino-3-acetylquinoline-induced apoptosis of murine L1210 leukemia cells involves ROS-mitochondrial mediated death signaling and activation of p38 MAPK. In **Cell Biochemistry and Function**. Vol. 26 no. 5 (2008), p. 609-619. (1.333-IF2008)
- [16] JURKOVICOVA, D. - SEDLAKOVA, B. - LACINOVA, L. - KOPÁČEK, J. - SULOVA, Z. - SEDLÁK, J. - KRIŽANOVÁ, O.: Hypoxia Differently Modulates Gene Expression of Inositol 1,4,5-Trisphosphate Receptors in Mouse Kidney and HEK 293 Cell Line. In **Annals of the New York Academy of Sciences**. Vol. 1148 no. (2008), p. 421-427. (2.303-IF2008)
- [17] KANKURI, E. - BABUŠÍKOVÁ, O. - HLUBINOVÁ, K. - SALMENPERA, P. - BOCCACCIO, C. - LUBITZ, W. - HARJULA, A. - BIZIK, J.: Fibroblast nemois arrest growth and induces differentiation of human leukemia cells. In **International Journal of Cancer**. Vol. 122 no. 6 (2008), p. 1243-1252. (4.734-IF2008)
- [18] KOGAN, G. - PAJTINKA, M. - BABINCOVA, M. - MIADOKOVÁ, E. - RAUKO, P. - SLAMEŇOVÁ, D. - KOROLENKO, A.: Yeast cell wall polysaccharides as antioxidants and antimutagens: Can they fight cancer?. In **Neoplasma**. Vol. 55 no. 5 (2008), p. 387-393. (1.179-IF2008)
- [19] KONECNY, M. - ZÁVODNÁ, K. - VRANOVA, V. - VIZVARYOVA, M. - WEISMANNNOVA, E. - MLKVA, I. - KUGLIK, P. - KAUSITZ, J. - BARTOŠOVÁ, Z.: Identification of rare complete BRCA1 gene deletion using a combination of SNP haplotype analysis, MLPA and array-CGH techniques.. In **Breast Cancer Research and Treatment**. Vol. 109 no. 3 (2008), p. 581-583. (5.684-IF2008)
- [20] KUBÍK, A. - ZATLOUKAL, P. - TOMÁŠEK, L. - DOLEZAL, J. - SYLLABOVA, L. - KARA, J. - KOPECKY, P. - PLEŠKO, I.: A case-control study of lifestyle and lung cancer associations by histological types. In **Neoplasma**. Vol. 55 no. 3 (2008), p. 192-199. (1.179-IF2008)
- [21] KUSENDA, J.: Quantitative identification of blood cell markers in human hematopoietic malignancies with diagnostic and prognostic significance. In **Neoplasma**. Vol. 55 no. 5 (2008), p. 381-386. (1.179-IF2008)
- [22] KUČEROVÁ, L. - MATÚŠKOVÁ, M. - PASTORÁKOVÁ, A. - TYČIAKOVÁ, S. - JAKUBÍKOVÁ, J. - BOHOVIČ, R. - ALTANEROVÁ, V. - ALTANER, Č.: Cytosine deaminase expressing human mesenchymal stem cells mediated tumour regression in melanoma bearing mice. In **Journal of Gene Medicine**. Vol. 10 no. 10 (2008), p. 1071-1082. (3.141-IF2008)
- [23] KÚDELA, P. - PAUKNER, S. - MAYR, U. - CHOLUJOVÁ, D. - KOHL, G. - SCHWARCOVÁ, Z. - BIZIK, J. - SEDLÁK, J. - LUBITZ, W.: Effective gene transfer to melanoma cells using bacterial ghosts. In **Cancer Letters**. Vol. 262 no. 1 (2008), p. 54-63. (3.504-IF2008)
- [24] LAKOTA, J. - ŠKULTETY, L. - DUBROVČÁKOVÁ, M. - ALTANER, Č.: Presence of serum carbonic anhydrase autoantibodies in patients relapsed after autologous stem cell transplantation indicates an improved prognosis. In **Neoplasma**. Vol. 55 no. 6 (2008), p. 486-490. (1.179-IF2008)
- [25] LETAVAYOVÁ, L. - VLASÁKOVÁ, D. - SPALLHOLZ, J. - BROZMANOVÁ, J. - CHOVANEC, M.: Toxicity and mutagenicity of selenium compounds in *Saccharomyces cerevisiae*. In **Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis**. Vol. 638 no. 1-2 (2008), p. 1-10. (3.198-IF2008)

- [26] LETAVAYOVÁ, L. - VLASÁKOVÁ, D. - VLČKOVÁ, V. - BROZMANOVÁ, J. - CHOVANEC, M.: Rad52 has a role in the sodium selenite-induced DNA damage in *Saccharomyces cerevisiae*. In **Mutation Research - Genetic Toxicology and Environmental Mutagenesis**. Vol. 652 no. 2 (2008), p. 198-203. (2.363-IF2008)
- [27] LUCIAKOVÁ, K. - KOLLÁROVIČ, G. - BARÁTH, P. - NELSON, B.: Growth-dependent repression of human adenine nucleotide translocase-2 (ANT2) transcription: evidence for the participation of Smad and Sp family proteins in the NF1-dependent repressor complex. In **Biochemical Journal**. Vol. 412 no. 1 (2008), p. 123-130. (4.371-IF2008)
- [28] METIVIER, R. - GALLAIS, R. - TIFFOCHE, C. - LE PÉRON, C. - JURKOWSKA, R. - CARMOUCHE, R. - IBBERSON, D. - BARÁTH, P. - DEMAY, F. - REID, G. - BENES, V. - JELTSCH, A. - GANNON, F. - SALBERT, G.: Cyclical DNA methylation of a transcriptionally active promoter. In **Nature**. Vol. 452 no. 7183 (2008), p. 45-50. (31.434-IF2008)
- [29] MIADOKOVÁ, E. - NAĐOVÁ, S. - VLČKOVÁ, V. - DÚHOVÁ, V. - KOPÁSKOVÁ, M. - ČIPÁK, Ľ. - RAUKO, P. - MUČAJI, P. - GRANČAI, D.: Antigenotoxic effect of extract from *Cynara cardunculus* L.. In **Phytotherapy Research**. Vol. 22 no. 1 (2008), p. 77-81. (1.772-IF2008)
- [30] MÁTELOVÁ, L. - ŠTEVURKOVÁ, V. - ZAJAC, V.: The spectrum of the APC pathogenic mutations in Slovak FAP patients. In **Neuroendocrinology Letters**. Vol. 29 no. 5 (2008), p. 653-657. (1.359-IF2008)
- [31] NAĐOVÁ, S. - MIADOKOVÁ, E. - ALFOLDIOVA, L. - KOPÁSKOVÁ, M. - HASPLOVA, K. - HUDECOVA, A. - VACULCIKOVA, D. - GREGAN, F. - ČIPÁK, Ľ.: Potential antioxidant activity, cytotoxic and apoptosis-inducing effects of *Chelidonium majus* L. extract on leukemia cells. In **Neuroendocrinology Letters**. Vol. 29 no. 5 (2008), p. 649-652. (1.359-IF2008)
- [32] NAĐOVÁ, S. - MIADOKOVÁ, E. - MUČAJI, P. - GRANČAI, D. - ČIPÁK, Ľ.: Growth inhibitory effect of ethyl acetate-soluble fraction of *Cynara cardunculus* L. extract in leukemia cells involves cell cycle arrest, cytochrome c release and activation of caspases. In **Phytotherapy Research**. Vol. 22 no. 2 (2008), p. 165-168. (1.772-IF2008)
- [33] NOVOTNÝ, L. - RAUKO, P. - COJOCEL, C.: alpha-Lipoic acid - the potential for use in cancer therapy.. In **Neoplasma**. Vol. 55 no. 2 (2008), p. 81-86. (1.179-IF2008)
- [34] ONDRUŠOVÁ, M. - ONDRUŠ, D.: Epidemiology and treatment delay in testicular cancer patients: a retrospective study. In **International Urology and Nephrology**. Vol. 40 no. 1 (2008), p. 143-148. (0.912-IF2008)
- [35] PAULIKOVÁ, H. - KADLEČÍKOVÁ, E. - SUCHANOVA, M. - VALKOVA, Z. - RAUKO, P. - HUDECOVÁ, D. - VALENT, A.: Cytotoxicity of copper(II) complexes of N-salicylidene-L-glutamate: modulation by ascorbic acid.. In **Neoplasma**. Vol. 55 no. 4 (2008), p. 338-344. (1.179-IF2008)
- [36] PIRNIK, Z. - BUNDZIKOVA, J. - BIZIK, J. - HULIN, I. - KISS, A. - MRAVEC, B.: Activity of brain stem groups of catecholaminergic cells in tumor-bearing rats: response to immobilization stress.. In **Annals of the New York Academy of Sciences**. Vol. 1148 no. (2008), p. 141-147. (2.303-IF2008)
- [37] PLEŠKO, I. - SEVERI, G. - BOYLE, P. - ONDRUŠOVÁ, M. - TOMÁŠEK, L. - KUBÍK, A.: Dominant position of colorectal cancer in Slovakia: The old-new problem for cancer control. In **Neoplasma**. Vol. 55 no. 1 (2008), p. 10-15. (1.179-IF2008)
- [38] SALMENPERA, P. - KANKURI, E. - BIZIK, J. - SIREN, V. - VIRTANEN, I. - TAKAHASHI, S. - LEISS, M. - FASSLER, R. - VAHERI, A.: Formation and activation of fibroblast spheroids depend on fibronectin-integrin interaction. In **Experimental Cell Research**. Vol. 15 no. 19 (2008), p. 3444-3452. (3.948-IF2008)
- [39] SLAMEŇOVÁ, D. - HORVÁTHOVÁ, E. - MARŠÁLKOVÁ, L. - WSÓLOVÁ, L.: Carvacrol given to rats in drinking water reduces the level of DNA lesions induced in freshly isolated

- hepatocytes and testicular cells by H<sub>2</sub>O<sub>2</sub>. In **Neoplasma**. Vol. 55 no. 5 (2008), p. 394-399. (1.179-IF2008)
- [40] SLAMEŇOVÁ, D. - ŠRAMKOVÁ, M. - CHALUPA, I. - ŠMIGOVÁ, J. - KOGAN, G.: Reduction of genotoxic effects of N-nitrosomorpholine in human hepatoma cells and hamster lung cells by carboxymethyl chitin-glucan. In **Neoplasma**. Vol. 55 no. 4 (2008), p. 280-285. (1.179-IF2008)
- [41] SULOVA, Z. - MACEJOVÁ, D. - ŠEREŠ, M. - SEDLÁK, J. - BRTKO, J. - BREIER, A.: Combined treatment of P-gp-positive L1210/VCR cells by verapamil and all-trans retinoic acid induces down-regulation of P-glycoprotein expression and transport activity. In **Toxicology in vitro**. Vol. 22 no. 1 (2008), p. 96-105. (2.473-IF2008)
- [42] THEISZOVA, M. - JANTOVÁ, S. - LETAŠIOVÁ, S. - PALOU, M. - ČIPÁK, Ľ.: Cytotoxicity of hydroxyapatite, fluorapatite and fluor-hydroxyapatite: a comparative in vitro study. In **Neoplasma**. Vol. 55 no. 4 (2008), p. 316-320. (1.179-IF2008)
- [43] TOMKOVÁ, K. - TOMKA, M. - ZAJAC, V.: Contribution of p53, p63, and p73 to the developmental diseases and cancer. In **Neoplasma**. Vol. 55 no. 3 (2008), p. 177-181. (1.179-IF2008)
- [44] ZUBRIK, A. - LAUKOVÁ, A. - GÁBELOVÁ, A. - VALOVIČOVÁ, Z. - TURČÁNIOVÁ, Ľ. - CVAČKA, J.: The biological activity of 16alpha(H)-phylocladane isolated from slovak brown coal. In **Chemické listy**. Vol. 102 no. (2008), p. 534-536. (0.593-IF2008)

### Scientific publications in other journals: 3

- [1] JANTOVÁ, S. - REPICKÝ, A. - PAULOVICOVA, E. - LETAŠIOVÁ, S. - ČIPÁK, Ľ.: Antiproliferative activity and apoptosis induced by 6-bromo-2-(morpholin-a-yl)-4-anilinoquinazoline in leukemia cell lines. In **Experimental Oncology**. Vol. 30 no. 2 (2008), p. 139-142.
- [2] MEGO, M. - ZAJAC, V.: Probiotics and disorders of the gastrointestinal tract. Review. In **Via practica**. Vol. 5 no. (2008), p. 206-210.
- [3] ONDRUŠOVÁ, M. - ONDRUŠ, D. - DUSEK, L. - MUZIK, J.: National portal of cancer epidemiology in the Slovak Republic. In **Bratislavské lekárske listy**. Vol. 109 no. 7 (2008), p. 329-330.

## 2009

### WOS publications: 37

- [1] ALTANEROVÁ, V. - HORVÁTHOVÁ, E. - MATÚŠKOVÁ, M. - KUČEROVÁ, L. - ALTANER, Č.: Genotoxic damage of human adipose-tissue derived mesenchymal stem cells. In **Neoplasma**. Vol. 56 no. 6 (2009), p. 542-547. (1.192-IF2009)
- [2] BABUŠÍKOVÁ, O. - ŠTEVULOVÁ, L. - FAJTOVÁ, M.: Immunophenotyping parameters as prognostic factors in T-acute leukemia patients.. In **Neoplasma**. Vol. 56 no. 6 (2009), p. 508-513. (1.192-IF2009)
- [3] BALÁŽ, P. - FABIÁN, M. - PASTOREK, M. - CHOLUJOVÁ, D. - SEDLÁK, J.: Mechanochemical preparation and anticancer effect of realgar As<sub>4</sub>S<sub>4</sub> nanoparticles. In **Materials Letters**. Vol. 63 no. 17 (2009), p. 1542-1544. (1.94-IF2009)
- [4] BELYAEV, I. - MARKOVÁ, E. - HILLERT, L. - MALMGREN, L. - PERSSON, B.: Microwaves From UMTS/GSM Mobile Phones Induce Long-Lasting Inhibition of 53BP1/-H2AX DNA



- Repair Foci in Human Lymphocytes. In **Bioelectromagnetics**. Vol. 30 no. 10.1002/bem.20445 (2009), p. 129-141. (2.759-IF2009)
- [5] BENCKO, V. - RAMES, J. - ONDRUŠOVÁ, M. - PLEŠKO, I. - JURICKOVA, L. - TRNOVEC, T.: Human exposure to polyhalogenated hydrocarbons and incidence of selected malignancies - central European experience. In **Neoplasma**. Vol. 56 no. 4 (2009), p. 353-357. (1.192-IF2009)
- [6] CARTER, S. - VIGAŠOVÁ, D. - CHEN, J. - CHOVANEC, M. - ASTROM, S.: Nej1 recruits the Srs2 helicase to DNA double-strand breaks and supports repair by a single-strand annealing-like mechanism. In **Proceedings of National Academy of Sciences of the United States of America (PNAS)**. Vol. 106 no. 29 (2009), p. 12037-12042. (9.432-IF2009)
- [7] CHOLUJOVÁ, D. - JAKUBÍKOVÁ, J. - SEDLÁK, J.: BioBran-augmented maturation of human monocyte-derived dendritic cells. In **Neoplasma**. Vol. 56 no. 2 (2009), p. 89-95. (1.192-IF2009)
- [8] DURAJ, J. - HUNÁKOVÁ, I. - BOŽO, J. - JAKUBÍKOVÁ, J. - CHOVANCOVÁ, J. - SEDLÁK, J.: Administration of isothiocyanate (E-41B) and cisplatin leads to altered signalling and lysosomal export in human ovarian carcinoma sensitive and cisplatin-resistant cells. In **Neoplasma**. Vol. 56 no. (2009), p. 209-215. (1.192-IF2009)
- [9] FRECER, V. - MEGNASSAN, E. - MIERTUŠ, S.: Design and in silico screening of combinatorial library of antimalarial analogs of triclosan inhibiting Plasmodium falciparum enoyl-acyl carrier protein reductase.. In **European Journal of Medicinal Chemistry**. Vol. 44 no. 7 (2009), p. 3009-3019. (3.269-IF2009)
- [10] GIBALOVA, L. - SEDLÁK, J. - LABUDOVA, M. - BARANČÍK, M. - REHAKOVA, A. - BREIER, A. - SULOVA, Z.: Multidrug resistant P-glycoprotein positive L1210/VCR cells are also cross-resistant to cisplatin via a mechanism distinct from P-glycoprotein-mediated drug efflux activity.. In **General physiology and biophysics**. Vol. 28 no. (2009), p. 391-403. (0.741-IF2009)
- [11] HORVÁTHOVÁ, E. - SLAMEŇOVÁ, D. - MARŠÁLKOVÁ, L. - ŠRAMKOVÁ, M. - WSÓLOVÁ, L.: Effects of borneol on the level of DNA damage induced in primary rat hepatocytes and testicular cells by hydrogen peroxide. In **Food and Chemical Toxicology**. Vol. 47 no. 6 (2009), p. 1318-1323. (2.114-IF2009)
- [12] HUNÁKOVÁ, I. - SEDLÁKOVÁ, O. - CHOLUJOVÁ, D. - GRONESOVA, P. - DURAJ, J. - SEDLÁK, J.: Modulation of markers associated with aggressive phenotype in MDA-MB-231 breast carcinoma cells by sulforaphane.. In **Neoplasma**. Vol. 6 no. (2009), p. 548-556. (1.192-IF2009)
- [13] JANTOVÁ, S. - REPICKÝ, A. - ČIPÁK, I.: 3-(5-Nitro-2-thienyl)-9-chloro-5-morpholin-4-yl(1,2,4)triazolo(4,3-c)quinazoline induces ROS-mitochondrial mediated death signaling and activation of p38 MAPK in murine L1210 leukemia cells. In **Neoplasma**. Vol. 56 no. 6 (2009), p. 494-499. (1.192-IF2009)
- [14] KOLLÁROVIČ, G. - MAJERA, D. - LUCIAKOVÁ, K. - BARÁTH, P.: Expression and purification of recombinant NFI proteins for functional analysis. In **General physiology and biophysics**. Vol. 28 no. 4 (2009), p. 331-339. (0.741-IF2009)
- [15] KOPÁČEK, J. - ONDRIÁŠ, K. - SEDLAKOVA, B. - TOMÁŠKOVÁ, J. - ZAHRADNIKOVÁ, L. - SEDLÁK, J. - SULOVA, Z. - ZAHRADNIKOVÁ, A. - PASTOREK, J. - KRÍŽANOVÁ, O.: Type 2 IP(3) receptors are involved in uranyl acetate induced apoptosis in HEK 293 cells. In **Toxicology**. Vol. 262 no. 1 (2009), p. 73-79. (3.241-IF2009)
- [16] KREJNUSOVÁ, I. - GOCNÍKOVÁ, H. - BYSTRICKÁ, M. - BLAŠKOVIČOVÁ, H. - POLÁKOVÁ, K. - YEWEDELL, J. - BENNINK, J. - RUSS, G.: Antibodies to PB1-F2 protein are induced in response to influenza A virus infection.. In **Archives of Virology**. Vol. 154 no. (2009), p. 1599-1604. (1.909-IF2009)

- [17] KRIVULČÍK, T. - SEDLÁK, J. - BARTOŠOVÁ, Z.: Frequency of the three most common polymorphisms in the MDR1 gene in Slovak population.. In **Neoplasma**. Vol. 56 no. 2 (2009), p. 101-107. (1.192-IF2009)
- [18] LE GUEVEL, R. - OGER, F. - LECORGNE, A. - DUDÁŠOVÁ, Z. - CHEVANCE, S. - BONDON, A. - BARÁTH, P. - SIMONNEAUX, G. - SALBERT, G.: Identification of small molecule regulators of the nuclear receptor HNF4a based on naphthofuran scaffolds. In **Bioorganic and Medicinal Chemistry**. Vol. 17 no. 19 (2009), p. 7021-7030. (2.822-IF2009)
- [19] LOW, D. - ANG, Z. - YUAN, Q. - FRECER, V. - HO, B. - CHEN, J. - DING, J.: A novel human tectonin protein with multivalent beta-propeller folds interacts with ficolin and binds bacterial LPS.. In **PLoS One**. Vol. 4 no. 7 (2009), p. 6260-6264. (4.351-IF2009)
- [20] MUFTUOGLU, M. - DE SOUZA-PINTO, N. - DOGAN, A. - AAMANN, M. - STEVNSNER, T. - RYBANSKÁ, I. - KIRKALI, G. - DIZDAROGLU, M. - BOHR, V.: Cockayne syndrome group B protein stimulates repair of formamidopyrimidines by NEIL1 DNA glycosylase. In **Journal of Biological Chemistry**. Vol. 284 no. 14 (2009), p. 9270-9279. (5.328-IF2009)
- [21] MÁTELOVÁ, L. - ŠTEVURKOVÁ, V. - ADAMČÍKOVÁ, Z. - HOLEC, V. - ZAJAC, V.: Different phenotype manifestation of familial adenomatous polyposis in families with APC mutation at codon 1309. In **Neoplasma**. Vol. 56 no. 6 (2009), p. 486-489. (1.192-IF2009)
- [22] NOVOTNÝ, L. - RAUKO, P.: Cytarabine conjugates with biologically active molecules and their potential anticancer activity. In **Neoplasma**. Vol. 56 no. 3 (2009), p. 177-186. (1.192-IF2009)
- [23] ONDRUŠOVÁ, M. - ONDRUŠ, D. - DUSEK, L. - SPANIKOVA, B.: Damage of hormonal function and bone metabolism in long-term survivors of testicular cancer. In **Neoplasma**. Vol. 56 no. 6 (2009), p. 473-479. (1.192-IF2009)
- [24] PATILA, T. - IKONEN, T. - KANKURI, E. - UUTELA, A. - LOMMI, J. - KROGERUS, L. - SALMENPERA, P. - BIZIK, J. - LAUERMA, K. - HARJULA, A.: Improved diastolic function after myoblast transplantation in a model of ischemia-infarction. In **Scandinavian Cardiovascular Journal**. Vol. 43 no. (2009), p. 100-109.(1.07-IF2009)
- [25] PEURA, M. - BIZIK, J. - SALMENPERA, P. - NORO, A. - KORHONEN, M. - PÄTILÄ, T. - VENTO, A. - VAHERI, A. - ALITALO, R. - VUOLA, J. - HARJULA, A. - KANKURI, E.: Bone marrow mesenchymal stem cells undergo necrosis and induce keratinocyte wound healing utilizing the HGF/c-Met/PI3K pathway.. In **Wound Repair Regeneration**. Vol. 17 no. 4 (2009), p. 569-577. (2.781-IF2009)
- [26] POLÁKOVÁ, K. - BANDZUCHOVA, E. - SABTY, F. - MISTRÍK, M. - DEMITROVIČOVÁ, L. - RUSS, G.: Activation of HLA-G expression by 5-aza-2'-deoxycytidine in malignant hematopoietic cells isolated from leukemia patients. In **Neoplasma**. Vol. 56 no. 6 (2009), p. 514-520. (1.192-IF2009)
- [27] POLÁKOVÁ, K. - BANDZUCHOVÁ, E. - KUBA, D. - RUSS, G.: Demethylating agent 5-aza-2-deoxycytidine activates HLA-G expression in human leukemia cell lines. In **Leukemia Research**. Vol. 33 no. 4 (2009), p. 518-524. (2.358-IF2009)
- [28] REPICKÝ, A. - JANTOVÁ, S. - ČIPÁK, L.: Apoptosis induced by 2-acetyl-3-(6-methoxybenzotiazol-2-ylamino)acrylonitril in human leukemia cells involves ROS-mitochondrial mediated death signaling and activation of p38 MAPK. In **Cancer Letters**. Vol. 277 no. 1 (2009), p. 55-63. (3.741-IF2009)
- [29] RUNGROTMONGKOL, T. - FRECER, V. - DE-EKNAMKUL, W. - HANNONGBUA, S. - MIERTUŠ, S.: Design of oseltamivir analogs inhibiting neuraminidase of avian influenza virus H5N1.. In **Antiviral Research**. Vol. 82 no. 1 (2009), p. 51-58. (3.612-IF2009)
- [30] SLAMEŇOVÁ, D. - HORVÁTHOVÁ, E. - WSÓLOVÁ, L. - ŠRAMKOVÁ, M. - NAVAROVÁ, J.: Investigation of anti-oxidative, cytotoxic, DNA-damaging and DNA-protective effects of plant volatiles eugenol and borneol in human-derived HepG2, Caco-2 and VH10

- cell lines. In **Mutation Research - Genetic Toxicology and Environmental Mutagenesis**. Vol. 677 no. 1-2 (2009), p. 46-52. (2.552-IF2009)
- [31] SULOVA, Z. - MISLOVICOVA, D. - GIBALOVA, L. - VAJCNEROVA, Z. - POLAKOVA, E. - UHRÍK, B. - TYLKOVA, L. - KOVAROVA, A. - SEDLÁK, J. - BREIER, A.: Vincristine-induced overexpression of P-glycoprotein in L1210 cells is associated with remodeling of cell surface saccharides. In **Journal of Proteome Research**. Vol. 8 no. 2 (2009), p. 513-520. (5.132-IF2009)
- [32] UDOMMANEETHANAKIT, T. - RUNGROTMONGKOL, T. - BREN, U. - FRECER, V. - MIERTUŠ, S.: Dynamic behavior of avian influenza A virus neuraminidase subtype H5N1 in complex with oseltamivir, zanamivir, peramivir, and their phosphonate analogues.. In **Journal of Chemical Information and Modeling**. Vol. 49 no. 10 (2009), p. 2323-2332. (3.882-IF2009)
- [33] VALASKOVA, Z. - LACKOVICOVA, L. - VRABCOVA, M. - BIZIK, J. - PERZELOVA, A. - MACIKOVA, I. - DANIHEL, L. - KINOVA, S. - BUCKINGHAM, T. - HULIN, I.: Does incorporation of gene for green fluorescent protein in BP6 fibrosarcoma tumor cells depress their intraperitoneal growth in rats?. In **Bratislavské lekárske listy**. Vol. 110 no. 3 (2009), p. 127-132. (0.317-IF2009)
- [34] VALOVIČOVÁ, Z. - MARVANOVÁ, S. - MÉSZÁROSOVÁ, M. - SRANČÍKOVÁ, A. - TRILECOVÁ, L. - MILCOVÁ, A. - LÍBALOVÁ, H. - VONDRÁČEK, J. - MACHALA, M. - TOPINKA, J. - GÁBELOVÁ, A.: Differences in DNA damage and repair produced by systemic, hepatocarcinogenic and sarcomagenic dibenzocarbazole derivatives in model of rat liver progenitor cells. In **Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis**. Vol. 665 no. 10.1016/j.mrfmmm.2009.02.014 (2009), p. 51-60. (3.556-IF2009)
- [35] WACHSMANNOVÁ, L. - ŠTEVURKOVÁ, V. - ADAMČÍKOVÁ, Z. - HOLEC, V. - ZAJAC, V.: Polymorphisms in the adenomatous polyposis coli gene in Slovak families suspected of FAP. In **Neuroendocrinology Letters**. Vol. 30 no. 1 (2009), p. 25-28. (1.047-IF2009)
- [36] ZÁVODNÁ, K. - KONECNY, M. - KRIVULČÍK, T. - ŠPÁNIK, S. - BEHULOVA, R. - VIZVARYOVA, M. - WEISMANNNOVA, E. - GALBAVÝ, Š. - KAUSITZ, J.: Genetic analysis of KRAS mutation status in metastatic colorectal cancer patients. In **Neoplasma**. Vol. 3 no. 3 (2009), p. 275-278. (1.192-IF2009)
- [37] ZÁVODNÁ, K. - KRIVULČÍK, T. - GERYKOVA BUJALKOVA, M. - SLAMKA, T. - MARTINICKÝ, D. - ILENČÍKOVÁ, D. - BARTOŠOVÁ, Z.: Partial loss of heterozygosity events at the mutated gene in tumors from MLH1/MSH2 large genomic rearrangements carriers. In **BMC Cancer**. Vol. 9:405 no. 10.1186/1471-2407-9-405 (2009), p. 1-15. (2.736-IF2009)

### Scientific publications in other journals: 2

- [1] KOLNÍKOVÁ, M. - SÝKORA, P. - CHALUPA, I.: Zriedkavé lyzozómové ochorenie - Niemanova-Pickova choroba typ C. In **Neurologie pro praxi**. Vol. 10 no. 6 (2009), p. 394-395.
- [2] MRAVEC, B. - LACKOVICOVA, L. - PIRNIK, Z. - BIZIK, J. - BUNDZIKOVA, J. - HULIN, I. - KISS, A.: Brain response to induced peripheral cancer development in rats: dual fos-tyrosine hydroxylase and fos-oxytocin immunohistochemistry.. In **Endocrine Regulations**. Vol. 43 no. 1 (2009), p. 3-11.

**2010****Textbooks published in Slovakia: 1**

- [1] ŠTRBÁK, Vladimír - BAČOVÁ, Zuzana - GÁBELOVÁ, Alena - HRUBIŠKO, M. - IMRICH, Richard - VLČEK, Miroslav. Patologická fyziológia. Bratislava: Slovenská zdravotnícka univerzita, 2010. 164 s. ISBN 978-80-89352-40-1.

**Chapters in monographs published abroad: 1**

- [1] FRIDRICHOVÁ, Ivana. The role of DNA methylation in colorectal cancer. In Epigenetics : mechanisms, functions and human effects. - Hauppauge NY : Nova Science Publisher, 2010, s. 133-158. ISBN 978-1-60741-454-4.

**WOS publications: 38**

- [1] ABTIN, A. - KÚDELA, P. - MAYR, U. - KOLLER, V. - MILDNER, M. - TSCHACHLER, E. - LUBITZ, W.: Escherichia coli ghosts promote innate immune responses in human keratinocytes. In **Biochemical and Biophysical Research Communications**. Vol. 400 no. 1 (2010), p. 78-82. (2.595-IF2010)
- [2] ALLEMANI, C. - STORM, H. - VOOGD, A. C. - HOLLI, K. - IZARZUGAZA, I. - TORRELLA-RAMOS, A. - BIELSKA-LASOTA, M. - AARELEID, T. - ARDANAZ, E. - COLONNA, M. - CROCETTI, E. - DANZON, A. - FEDERICO, M. - GARAU, I. - GROSCLAUDE, P. - HÉDELIN, G. - MARTINEZ-GARCIA, C. - PEIGNAUX, K. - PLEŠKO, I. - PRIMIC-ZAKELJ, M. - RACHTAN, J. - TAGLIABUE, G. - TUMINO, R. - TRAINA, A. - TRYGGVADÓTTIR, L. - VERCELLI, M. - SANT, M.: Variation in standard care for breast cancer across Europe : A EURO CARE-3 high resolution study. In *European Journal of Cancer*, 2010, vol. 46, no. 9, p. 1528-1536. (4.944 - IF2010)
- [3] BELYAEV, I.: Radiation-induced DNA repair foci: Spatio-temporal aspects of formation, application for assessment of radiosensitivity and biological dosimetry. In **Mutation research-Reviews in mutation research**. Vol. 704 no. :10.1016/j.mrrev.2010.01.011 (2010), p. 132-141. (8.741-IF2010)
- [4] BROZMANOVÁ, J. - MÁNIKOVÁ, D. - VLČKOVÁ, V. - CHOVANEC, M.: Selenium: a double-edged sword for defense and offence in cancer. In **Archives of toxicology**. Vol. 84 no. 12 (2010), p. 919-938. (4.041-IF2010)
- [5] CAVARRETTA, I. - ALTANEROVÁ, V. - MATÚŠKOVÁ, M. - KUČEROVÁ, L. - CULIG, Z. - ALTANER, Č.: Adipose Tissue-derived Mesenchymal Stem Cells Expressing Prodrug-converting Enzyme Inhibit Human Prostate Tumor Growth. In **Molecular Therapy**. Vol. 18 no. 1 (2010), p. 223-231. (7.149-IF2010)
- [6] FAJTOVÁ, M. - BABUŠÍKOVÁ, O.: Immunophenotype characterization of hematopoietic stem cells, progenitor cells restricted to myeloid lineage and their leukemia counterparts.. In **Neoplasma**. Vol. 57 no. 10.4149/neo\_2010\_05\_392 (2010), p. 392-400. (1.449-IF2010)
- [7] FRECER, V. - MIERTUŠ, S.: Design, structure-based focusing and in silico screening of combinatorial library of peptidomimetic inhibitors of Dengue virus NS2B-NS3 protease.. In **Journal of Computer-Aided Molecular Design**. Vol. 24 no. 3 (2010), p. 195-212. (3.374-IF2010)
- [8] Gatta, G. - Zigon, G. - Aareleid, T. - Ardanaz, E. - BIELSKA-LASOTA, M. - GALCERAN, J. - GOZDZ, S. - HAKULINEN, T. - MARTINEZ-GARCIA, C. - PLEŠKO, I. - ZAKELJ, P. - RACHTAN, J. - TAGLIABUE, G. - VERCELLI, M. - FAIVRE, J.: Patterns of care for European colorectal cancer patients diagnosed 1996-1998: A EURO CARE High Resolution Study. In **Acta Oncologica**. Vol. no. (2010), p. 1-8. (3.137-IF2010)

- [9] HORVÁTHOVÁ, E. - SLAMEŇOVÁ, D. - NAVAROVÁ, J.: Administration of rosemary essential oil enhances resistance of rat hepatocytes against DNA-damaging oxidative agents. In **Food Chemistry**. Vol. 123 no. (2010), p. 151-156. (3.458-IF2010)
- [10] HRUBISKO, M. - SANISLO, L. - ZUZULOVA, M. - MICHALICKOVA, J. - ŽELEZŇÍKOVÁ, T. - SEDLÁK, J. - BELLA, V.: Immunity profile in breast cancer patients. In **Bratislavské lekárske listy**. Vol. 111 no. 1 (2010), p. 20-26. (0.345-IF2010)
- [11] HUBACKOVA, S. - NOVAKOVA, Z. - KREJCIKOVA, K. - KOSAR, M. - DOBROVOLNA, J. - DUSKOVA, P. - HANZLIKOVA, H. - VANCUROVA, M. - BARÁTH, P. - BARTEK, J. - HODNÝ, Z.: Regulation of the PML tumor suppressor in drug-induced senescence of human normal and cancer cells by JAK/STAT-mediated signaling. In **Cell Cycle**. Vol. 9 no. 15 (2010), p. 3085-3099. (4.999-IF2010)
- [12] KLOBUŠICKÁ, M. - KUSENDA, J. - ŠTEVULOVÁ, L. - KOVARIKOVÁ, A. - BABUŠÍKOVÁ, O.: Possible prognostic value of nucleolar morphology in pathologic cells of B-chronic lymphocytic leukemia. In **Neoplasma**. Vol. 57 no. 10.4149/neo\_2010\_05\_429 (2010), p. 429-437. (1.449-IF2010)
- [13] KONECNY, M. - VIZVARYOVA, M. - ZÁVODNÁ, K. - BEHULOVA, R. - BUJALKOVÁ, M. - KRIVULČÍK, T. - CISARIK, F. - KAUSITZ, J. - WEISMANOVÁ, E.: Identification of a novel mutations BRCA1\*c.80 + 3del4 and BRCA2\*c.6589delA in Slovak HBOC families. In **Breast Cancer Research and Treatment**. Vol. 1 no. 10.1007/s10549-008-0244-6 (2010), p. 233-237. (4.859-IF2010)
- [14] KUČEROVÁ, L. - MATÚŠKOVÁ, M. - HLUBINOVÁ, K. - ALTANEROVÁ, V. - ALTANER, Č.: Tumor cell behaviour modulation by mesenchymal stromal cells. In **Molecular Cancer**. Vol. 129 no. 9 (2010), p. 1-15. (3.779-IF2010)
- [15] KÚDELA, P. - KOLLER, V. - LUBITZ, W.: Bacterial ghosts (BGs)-advanced antigen and drug delivery system. In **Vaccine**. Vol. 28 no. 36 (2010), p. 5760-5767. (3.572-IF2010)
- [16] LOW, D. - FRECER, V. - LE SAUX, A. - SRINIVASAN, G. - HO, B. - CHEN, J. - DING, J.: Molecular Interfaces of the Galactose-binding Protein Tectonin Domains in Host-Pathogen Interaction.. In **Journal of Biological Chemistry**. Vol. 285 no. 13 (2010), p. 9898-9907. (5.328-IF2010)
- [17] MARKOVÁ, E. - MALMGREN, L. - BELYAEV, I.: Microwaves from Mobile Phones Inhibit 53BP1 Focus Formation in Human Stem Cells More Strongly Than in Differentiated Cells: Possible Mechanistic Link to Cancer Risk. In **Environmental health perspectives**. Vol. 118 no. 3 (2010), p. 394-399. (6.087-IF2010)
- [18] MATÚŠKOVÁ, M. - HLUBINOVÁ, K. - PASTORÁKOVÁ, A. - HUNÁKOVÁ, Ľ. - ALTANEROVÁ, V. - ALTANER, Č. - KUČEROVÁ, L.: HSV-tk expressing mesenchymal stem cells exert bystander effect on human glioblastoma cells. In **Cancer Letters**. Vol. 290 no. 1 (2010), p. 58-67. (4.864-IF2010)
- [19] MIADOKOVÁ, E. - CHALUPA, I. - VLČKOVÁ, V. - SEVCOVICOVA, V. - NAĐOVÁ, S. - KOPÁSKOVÁ, M. - HERCEGOVA, A. - GASPEROVA, P. - ALFOLDIOVA, L. - KOMJATIOVA, M. - CSANYIOVA, Z. - GALOVA, E. - CELLAROVA, E. - VLČEK, D.: Genotoxicity and Antigenotoxicity Evaluation of Non-photoactivated Hypericin. In **Phytotherapy Research**. Vol. 24 no. (2010), p. 90-95. (1.878-IF2010)
- [20] MYDLÍKOVÁ, Z. - GURSKÝ, J. - PIRŠEL, M.: TRANSCRIPTION FACTOR I1H - the protein complex with multiple functions. In **Neoplasma**. Vol. 57 no. doi:10.4149/neo\_2010\_04\_287 (2010), p. 287-290. (1.449-IF2010)
- [21] MÁNIKOVÁ, D. - VLASÁKOVÁ, D. - LODUHOVÁ, J. - LETAVAYOVÁ, L. - VIGAŠOVÁ, D. - KRACSENITZOVÁ, E. - VLČKOVÁ, V. - BROZMANOVÁ, J. - CHOVANEC, M.: Investigations on the role of base excision repair and non-homologous end-joining pathways in sodium selenite-induced toxicity and mutagenicity in *Saccharomyces cerevisiae*. In **Mutagenesis**. Vol. 25 no. 2 (2010), p. 155-162. (3.983-IF2010)

- [22] NOVOTNÝ, L. - RAUKO, P. - KOMBIAN, S. - EDAFIOGHO, I.: Selenium as a chemoprotective anti-cancer agent: reality or wishful thinking?. In **Neoplasma**. Vol. 57 no. 5 (2010), p. 383-391. (1.449-IF2010)
- [23] NOVOTNÝ, L. - RAUKO, P. - SCHOTT, H.: Cytotoxicity and antileukaemic activity of new duplexes linking 3-C-ethynylcytidine and 5-fluorodeoxyuridine. In **Anticancer research**. Vol. 30 no. 11 (2010), p. 4891-4898. (1.656-IF2010)
- [24] OGER, F. - LECORGNE, A. - SALA, E. - NARDESE, V. - DEMAY, F. - CHEVANCE, S. - DESRAVINES, D. - ALEKSANDROVA, . - LE GUEVEL, R. - LORENZI, S. - BECCARI, A. - BARÁTH, P. - HART, D. - BONDON, A. - CARETONI, . - SIMONNEAUX, G. - SALBERT, G.: Biological and Biophysical Properties of the Histone Deacetylase Inhibitor Suberoylanilide Hydroxamic Acid Are Affected by the Presence of Short Alkyl Groups on the Phenyl Ring. In **Journal of medicinal chemistry**. Vol. 53 no. 5 (2010), p. 1937-1950. (5.207-IF2010)
- [25] PATRÁŠOVÁ, M. - POLIAKOVÁ, D. - ŠIMOČKOVÁ, M. - ŠABOVÁ, L.: Mutation in the b subunit of F1ATPase allows *Kluyveromyces lactis* to survive the disruption of the KIPGS1 gene. In **FEMS yeast research**. Vol. 10 no. 6 (2010), p. 727-734. (2.279-IF2010)
- [26] PEURA, M. - SILTANEN, A. - SAARINEN, I. - SOOTS, A. - BIZIK, J. - VUOLA, J. - HARJULA, A. - KANKURI, E.: Paracrine factors from fibroblasts aggregates in a fibrin-matrix carrier enhances keratinocyte viability and migration. In **Journal of Biomedical Materials Research Part A**. Vol. 95 no. 2 (2010), p. 658-664. (3.044-IF2010)
- [27] PLANKOVÁ, A. - RAUKO, P. - NOVOTNÝ, L. - MATAR, K.: Galvanostatic stripping chronopotentiometric study for determination of selenium: pharmacokinetic application in experimental mice. In **Journal of pharmacy and pharmaceutical sciences**. Vol. 13 no. 3 (2010), p. 391-399. (1.914-IF2010)
- [28] PRACHAŘ, J.: Mouse and human mitochondrial nucleoid - detailed structure in relation to function. In **General physiology and biophysics**. Vol. 29 no. 10.4149/gpb\_2010\_02\_160 (2010), p. 160-174. (1.146-IF2010)
- [29] ROBBIANO, A. - FRECER, V. - MIERTUS, J. - ZADRO, C. - ULIVI, S. - BEVILACQUA, E. - MANDRILE, G. - DE MARCHI, M. - MIERTUŠ, S. - AMOROSO, A.: Modeling the effect of 3 missense AGXT mutations on dimerization of the AGT enzyme in primary hyperoxaluria type 1.. In **Journal of Nephrology**. Vol. 23 no. 6 (2010), p. 667-676. (1.623-IF2010)
- [30] RUNGROTMONGKOL, T. - UDOMMANEETHANAKIT, T. - FRECER, V. - MIERTUŠ, S.: Combinatorial design of avian influenza neuraminidase inhibitors containing pyrrolidine core with reduced susceptibility to viral drug resistance.. In **Combinatorial chemistry & high throughput screening**. Vol. 13 no. 3 (2010), p. 268-277. (2.573-IF2010)
- [31] RYBANSKÁ, I. - GURSKÝ, J. - FAŠKOVÁ, M. - SALAZAR, E. - KIMLÍČKOVÁ-POLAKOVIČOVÁ, E. - KLEIBL, K. - THOMPSON, L. - PIRŠEL, M.: Newly identified CHO ERCC3/XPB mutations and phenotype characterization. In **Mutagenesis**. Vol. 25 no. 2 (2010), p. 179-185. (3.983-IF2010)
- [32] SANISLO, L. - KULIFFAY, P. - SEDLÁK, J. - KAUSITZ, J. - GALBAVÝ, Š.: Advanced detection and measurement of cells on membrane from peripheral blood by laser scanning cytometry (LSC) in early stage breast cancer patients.. In **Bratislavské lekárske listy**. Vol. 111 no. 1 (2010), p. 13-19. (0.345-IF2010)
- [33] SKULTETY, L. - JANKOVICOVA, B. - SVOBODOVA, Z. - MADER, P. - REZACOVA, P. - DUBROVČÁKOVÁ, M. - LAKOTA, J. - BILKOVA, Z.: Identification of carbonic anhydrase I immunodominant epitopes recognized by specific autoantibodies which indicate an improved prognosis in patients with malignancy after autologous stem cell transplantation.. In **Journal of Proteome Research**. Vol. 9 no. 10 (2010), p. 5171-5179. (5.46-IF2010)
- [34] SLAMEŇOVÁ, D. - KOVACIKOVA, I. - HORVÁTHOVÁ, E. - WSÓLOVÁ, L. - NAVAROVÁ, J.: Carboxymethyl chitin-glucan (CM-CG) protects human HepG2 and HeLa cells

- against oxidative DNA lesions and stimulates DNA repair of lesions induced by alkylating agents. In **Toxicology in vitro**. Vol. 24 no. (2010), p. 1986-1992. (2.546-IF2010)
- [35] STEHLIK, P. - PAULIKOVÁ, H. - HUNÁKOVÁ, L.: Synthetic isothiocyanate indole-3-ethyl isothiocyanate (homolTC) enhances sensitivity of human ovarian carcinoma cell lines A2780 and A2780/CP to cisplatin. In **Neoplasma**. Vol. 57 no. 5 (2010), p. 473-481. (1.449-IF2010)
- [36] SULOVA, Z. - DITTE, P. - KURUCOVA, T. - POLAKOVA, E. - ROZOGANOVÁ, K. - GIBALOVA, L. - SERES, M. - SKVARKOVÁ, L. - SEDLÁK, J. - PASTOREK, J. - BREIER, A.: The presence of P-glycoprotein in L1210 cells directly induces down-regulation of cell surface saccharide targets of concanavalin A. In **Anticancer research**. Vol. 30 no. 9 (2010), p. 3661-3668. (1.656-IF2010)
- [37] ČIPÁK, L. - JANTOVÁ, S.: PARP-1 inhibitors: a novel genetically specific agents for cancer therapy. In **Neoplasma**. Vol. 57 no. 5 (2010), p. 401-405. (1.449-IF2010)
- [38] ŠEBOVÁ, K. - FRIDRICHOVÁ, I.: Epigenetic tools in potential anti-cancer therapy. In **Anti-cancer drugs**. Vol. 21 no. 6 (2010), p. 565-577. (2.376-IF2010)

### Scientific publications in other journals: 8

- [1] ALTANER, Č. - ALTANEROVÁ, V.: Úloha kmeňových buniek pri vzniku nádoru, tvorbe metastáz a ich využitie v nádorovej terapii. In **Onkológia**. Vol. 5 no. 1 (2010), p. 26-30.
- [2] BALÁŽ, P. - SEDLÁK, J.: Arsenic in Cancer Treatment: Challenges for Application of Realgar Nanoparticles (A Minireview). In **Toxins**. Vol. 2 no. 10.3390/toxins2061568 (2010), p. 1568-1581.
- [3] ILENČÍKOVÁ, D. - BARTOŠOVÁ, Z. - BABÁL, P.: Lynchov syndróm – novinky v diagnostike a liečbe.. In **Onkológia**. Vol. 2 no. (2010), p. 70-75.
- [4] KONECNY, M. - MILLY, M. - ZÁVODNÁ, K. - BARTOŠOVÁ, Z. - WEISMANOVÁ, E. - KAUSITZ, J.: Hereditárny karcinóm prsníka a ovárií: molekulárno-genetická analýza génov BRCA.. In **Onkológia**. Vol. 2 no. (2010), p. 81-84.
- [5] LANGEMANN, T. - KOLLER, V. - MUHAMMAD, A. - KÚDELA, P. - MAYR, U. - LUBITZ, W.: The bacterial ghost platform system: Production and applications. In **Bioengineered Bugs**. Vol. 1 no. 5 (2010), p. 326-336.
- [6] LEPTIHN, S. - GUO, L. - FREČER, V. - HO, B. - DING, J. - WOHLAND, T.: One step at a time: Action mechanism of Sushi1 antimicrobial peptide and derived molecules. In **Virulence**. Vol. 1 no. 1 (2010), p. 42-44.
- [7] MILLY, M. - KONECNY, M. - ZÁVODNÁ, K. - WEISMANOVÁ, E. - BARTOŠOVÁ, Z. - KAUSITZ, J.: Hereditárna forma malígneho melanómu asociovaná s poruchami génu CDKN2A.. In **Onkológia**. Vol. 2 no. (2010), p. 77-80.
- [8] REPICKÝ, A. - JANTOVÁ, S. - ČIPÁK, L.: Apoptosis of murine L1210 leukemia cells induced by 2-acetyl-3-(6-methoxybenzothiazol-2-ylamino)acrylonitril involves ROS-mitochondrial mediated death signalling and activation of p38 MAPK. In **Acta Chimica Slovaca**. Vol. 3 no. 1 (2010), p. 15-28.

**2011****Monographs published abroad: 1**

- [1] Microbes, viruses and parasites in AIDS process. Vladimír Zajac. Chorvátsko : InTech, 2011. ISBN 978-953-307-601-0.

**Chapters in monographs published abroad: 2**

- [1] JAKUBÍKOVÁ, Jana - SEDLÁK, Ján. Isothiocyanate-modified pathways in cancer prevention and treatment. In Bioactive foods and extracts : cancer treatment and prevention. - New York : CRC Press Taylor & Francis Group, 2011. ISBN 978-1-4398-1619-6.
- [2] ZAJAC, Vladimír - ADAMČÍKOVÁ, Zuzana - HOLEC, Vladimír - HAINOVÁ, Katarína - ŠTEVURKOVÁ, Viola - WACHSMANNOVÁ, Lenka. The role of bacteria and yeasts in AIDS. In Microbes, viruses and parasites in AIDS process. - Chorvátsko : InTech, 2011, p. 375-390. ISBN 978-953-307-601-0.

**WOS publications: 31**

- [1] BALÁŽ, P. - NGUYEN, A. - FABIÁN, M. - CHOLUJOVÁ, D. - PASTOREK, M. - SEDLÁK, J. - BUJŇÁKOVÁ, Z.: Properties of arsenic sulphide As<sub>4</sub>S<sub>4</sub> nanoparticles prepared by high-energy milling. In **Powder Technology**. Vol. 211 no. (2011), p. 232-236. (1.887-IF2010)
- [2] BELYAEV, I.: Toxicity and SOS-response to ELF magnetic fields and nalidixic acid in E. coli cells. In **Mutation Research - Genetic Toxicology and Environmental Mutagenesis**. Vol. 722 no. 10.1016/j.mrgentox.2011.03.012 (2011), p. 56-61. (2.938-IF2011)
- [3] CIHOVÁ, M. - ALTANEROVÁ, V. - ALTANER, Č.: Stem cell based cancer gene therapy. In **Molecular Pharmaceutics**. Vol. 8 no. 5 (2011), p. 1480-1487. (5.4-IF2011)
- [4] DE-EKNAMKUL, W. - UMEHARA, K. - MONTHAKANTIRAT, O. - TOTH, R. - FRECER, V. - KNAPIC, L. - BRAIUCA, P. - NOGUCHI, H. - MIERTUŠ, S.: QSAR study of natural estrogen-like isoflavonoids and diphenolics from Thai medicinal plants.. In **Journal of Molecular Graphics and Modelling**. Vol. 29 no. 6 (2011), p. 784-794. (2.033-IF2011)
- [5] DUDÁŠ, A. - AHMAD, S. - GREGAN, J.: Sgo1 is required for co-segregation of sister chromatids during achiasmatic meiosis I. In **Cell Cycle**. Vol. 10 no. 6 (2011), p. 1-5. (4.999-IF2011)
- [6] DUDÁŠ, A. - POLAKOVA, S. - GREGAN, J.: Chromosome segregation: monopolin attracts condensin.. In **Current Biology**. Vol. 21(16) no. 10.1016/j.cub.2011.06.059 (2011), p. 634-636. (10.026-IF2011)
- [7] EGYUDOVÁ, K. - SILTANEN, A. - KANKURI, E. - BIZIK, J.: Leukemic cells modulate induction of COX-2 in human stromal fibroblasts. In **Neoplasia**. Vol. 58 no. 6 (2011), p. 525-531. (1.449-IF2011)
- [8] FRECER, V. - SENECI, P. - MIERTUŠ, S.: Computer-assisted combinatorial design of bicyclic thymidine analogs as inhibitors of Mycobacterium tuberculosis thymidine monophosphate kinase.. In **Journal of Computer-Aided Molecular Design**. Vol. 25 no. 1 (2011), p. 31-49. (3.374-IF2011)
- [9] GÁBELOVÁ, A. - VALOVIČOVÁ, Z. - MESÁROŠOVÁ, M. - TRILECOVÁ, L. - HRUBÁ, E. - MARVANOVÁ, S. - KRČMÁŘ, P. - MILCOVÁ, A. - SCHMUCZEROVÁ, J. - VONDRÁČEK, J. - MACHALA, M. - TOPINKA, J.: Genotoxicity of 7H-dibenzo(c,g)carbazole and its tissue specific derivatives in human hepatoma HepG2 cells is related to CYP1A1/1A2 expression. In **Environmental and molecular mutagenesis**. Vol. 52 no. DOI 10.1002/em.20664 (2011), p. 636-645. (3.493-IF2011)
- [10] HAMEL, N. - FENG, B. - FORETOVA, L. - STOPPA-LYONNET, D. - NAROD, S. - IMYANITOV, E. - SINILNIKOVA, O. - TIHOMIROVA, L. - LUBINSKI, J. - GRONWALD, J. - GORSKI, B.



- HANSEN, T. - NIELSEN, F. - THOMASSEN, M. - YANNOUKAKOS, D. - KONSTANTOPOULOU, I. - ZAJAC, V. - ČIERNIKOVÁ, S. - COUCH, F. - GREENWOOD, C. - GOLDGAR, D.: On the origin and diffusion of BRCA1 c.5266dupC (5382insC) in European populations. In **European journal of human genetics**. Vol. 19 no. 3 (2011), p. 300-306. (4.38-IF2011)
- [11] JAKUBÍKOVÁ, J. - ADAMIA, S. - KOST-ALIMOVA, M. - KLIPPEL, S. - CERVI, D. - DALEY, J. - CHOLUJOVÁ, D. - KONG, S. - LEIBA, M. - BLOTTA, S. - OOI, M. - DELMORE, J. - LAUBACH, J. - RICHARDSON, P. - SEDLÁK, J. - ANDERSON, K. - MITSIADES, C.: Lenalidomide targets clonogenic side population in multiple myeloma: pathophysiologic and clinical implications. In **Blood**. Vol. 117 no. 17 (2011), p. 4409-4419. (10.558-IF2011)
- [12] JAKUBÍKOVÁ, J. - CERVI, D. - OOI, M. - KIM, K. - NAHAR, S. - KLIPPEL, S. - CHOLUJOVÁ, D. - LEIBA, M. - DALEY, J. - DELMORE, J. - NEGRI, J. - BLOTTA, S. - MCMILLIN, D. - HIDESHIMA, T. - RICHARDSON, P. - SEDLÁK, J. - ANDERSON, K. - MUNSHI, N.: Anti-tumor activity and signaling events triggered by the isothiocyanates, sulforaphane and PEITC in multiple myeloma. In **Haematologica**. Vol. 96 no. 8 (2011), p. 1170-1179. (6.532-IF2011)
- [13] KOZICS, K. - VALOVIČOVÁ, Z. - SLAMENŇOVÁ, D.: Structure of flavonoids influences the degree inhibition of Benzo(a)pyrene-induced DNA damage and micronuclei in Hep G2 cells. In **Neoplasma**. Vol. 58 no. 6 (2011), p. 516-524. (1.449-IF2011)
- [14] KOŠÍK, I. - KREJNUSOVÁ, I. - BYSTRICKÁ, M. - POLÁKOVÁ, K. - RUSS, G.: N-terminal region of the PB1-F2 protein is responsible for increased expression of influenza A viral protein PB1. In **Acta virologica**. Vol. 55 no. (2011), p. 45-53. (0.547-IF2011)
- [15] KUČEROVÁ, L. - KOVACOVICOVA, M. - POLAK, S. - BOHAC, M. - FEDELES, J. - PALENCAR, D. - MATUŠKOVÁ, M.: Interaction of human adipose tissue-derived mesenchymal stromal cells with breast cancer cells. In **Neoplasma**. Vol. 58 no. 10.4149/neo\_2011\_05\_361 (2011), p. 361-370. (1.449-IF2011)
- [16] KUČEROVÁ, L. - MATUŠKOVÁ, M. - HLUBINOVÁ, K. - BOHOVIČ, R. - FEKETEOVA, L. - JANEGA, P. - BABÁL, P. - POTURNAJOVÁ, M.: Bystander cytotoxicity in human medullary thyroid carcinoma cells mediated by fusion yeast cytosine deaminase and 5-fluorocytosine. In **Cancer Letters**. Vol. 311 no. 10.1016/j.canlet.2011.07.014 (2011), p. 101-112. (4.864-IF2011)
- [17] KÚDELA, P. - KOLLER, V. - MAYR, U. - NEPP, J. - LUBITZ, W. - BARISANI-ASENBAUER, T.: BACTERIAL Ghosts as antigen and drug delivery system for ocular surface diseases: Effective internalization of Bacterial Ghosts by human conjunctival epithelial cells.. In **Journal of Biotechnology**. Vol. 153 no. 3-4 (2011), p. 167-175.(2.97-IF2011)
- [18] LACKOVICOVA, L. - BĀNOVSKÁ, L. - BUNDZIKOVA, J. - JANEGA, P. - BIZIK, J. - KISS, A. - MRAVEC, B.: Chemical sympathectomy suppress fibrosarcoma development and improves survival of tumor-bearing rats. In **Neoplasma**. Vol. 58 no. 5 (2011), p. 424-429. (1.449-IF2011)
- [19] LATINI, P. - FRONTINI, M. - CAPUTO, M. - GREGAN, J. - ČIPÁK, L. - FILIPPI, S. - KUMAR, V. - VELEZ-CRUZ, R. - STEFANINI, M. - PALITTI, F. - PROIETTI-DE-SANTIS, L.: CSA and CSB proteins interact with p53 and regulate its Mdm2-dependent ubiquitination. In **Cell Cycle**. Vol. 10 no. 21 (2011), p. 3699-3710. (4.999-IF2011)
- [20] LUCIAKOVÁ, K. - KOLLÁROVIČ, G. - KRETOVÁ, M. - ŠABOVÁ, L. - NELSON, B.: TGF- $\beta$  SIGNALS THE FORMATION OF A UNIQUE NF1/SMAD4-DEPENDENT TRANSCRIPTION REPRESSOR-COMPLEX IN HUMAN DIPLOID FIBROBLASTS.. In **Biochemical and Biophysical Research Communications**. Vol. 411 no. (2011), p. 648-653. (2.595-IF2011)
- [21] MARKOVÁ, E. - TORUDD, J. - BELYAEV, I.: Long time persistence of residual 53BP1/g-H2AX foci in human lymphocytes in relationship to apoptosis, chromatin condensation and biological dosimetry. In **International journal of radiation biology**. Vol. 87 no. 10.3109/09553002.2011.577504 (2011), p. 736-745. (1.861-IF2011)
- [22] MESÁROŠOVÁ, M. - VALOVIČOVÁ, Z. - SRANČÍKOVÁ, A. - KRAJČOVIČOVÁ, Z. - MILCOVÁ, A. - SOKOLOVÁ, R. - SCHMUCZEROVÁ, J. - TOPINKA, J. - GÁBELOVÁ, A.: The

- role of human cytochrome P4503A4 in biotransformation of tissue-specific derivatives of 7H-dibenzo(c,g)carbazole. In **Toxicology and Applied Pharmacology**. Vol. 255 no. 10.1016/j.taap.2011.06.027 (2011), p. 307-315. (3.993-IF2011)
- [23] ONDRUŠOVÁ, M. - ONDRUŠ, D. - MUZIK, J. - HUNÁKOVÁ, Ľ. - HES, O. - KARABÍNOŠ, J. - FRIEDOVA, L.: Trends in the Kidney Cancer Incidence and Mortality in the Slovak and Czech Republics in 1980-2005 – in the Context of an International Comparison. In **Neoplasma**. Vol. 58 no. 2 (2011), p. 165-171. (1.449-IF2011)
- [24] POLAKOVA, S. - ČIPÁK, Ľ. - GREGAN, J.: RAD21L is a novel kleisin subunit of the cohesin complex. In **Cell Cycle**. Vol. 10 no. 12 (2011), p. 1892-1893. (4.999-IF2011)
- [25] POLÁKOVÁ, K. - BANDZUCHOVÁ, E. - RUSS, G.: Impact of blood processing on estimation of soluble HLA-G. In **Neoplasma**. Vol. 58 no. 4 (2011), p. 337-342. (1.449-IF2011)
- [26] SARIMOV, R. - ALIPOV, E. - BELYAEV, I.: Fifty hertz magnetic fields individually affect chromatin conformation in human lymphocytes: Dependence on amplitude, temperature, and initial chromatin state. In **Bioelectromagnetics**. Vol. 32 no. 10.1002/bem.20674 (2011), p. 570-579. (2.291-IF2011)
- [27] SLAMEŇOVÁ, D. - HORVÁTHOVÁ, E. - CHALUPA, I. - WSÓLOVÁ, L. - NAVAROVÁ, J.: Ex vivo assessment of protective effects of carvacrol against DNA lesions induced in primary rat cells by visible light excited methylene blue (VL+MB). In **Neoplasma**. Vol. 58 no. 1 (2011), p. 14-19. (1.449-IF2011)
- [28] SLAMEŇOVÁ, D. - HORVÁTHOVÁ, E. - KOVÁČIKOVÁ, Z. - KOZICS, K. - HUNÁKOVÁ, Ľ.: Essential rosemary oil protects testicular cells against DNA-damaging effects of H<sub>2</sub>O<sub>2</sub> and DMNQ. In **Food Chemistry**. Vol. 129 no. (2011), p. 64-70. (3.458-IF2011)
- [29] TURATO, C. - BIASIOLO, A. - PENGO, P. - FRECER, V. - QUARTA, S. - FASOLATO, S. - RUVOLETTO, M. - BENEDEUCE, L. - ZUIN, J. - FASSINA, G. - GATTA, A. - PONTISSO, P.: Increased antiprotease activity of the SERPINB3 polymorphic variant SCCA-PD.. In **Experimental Biology and Medicine (Maywood)**. Vol. 236 no. 3 (2011), p. 281-290. (2.954-IF2011)
- [30] ZAJAC, V. - WACHSMANNOVÁ, L. - LIŠKOVÁ, A. - MEGO, M. - HOLEC, V. - ADAMČIKOVÁ, Z. - ŠTEVURKOVÁ, V. - SHAHUM, A. - KRČMÉRY, V.: Confirmation of HIV-like sequences in respiratory tract bacteria of Cambodian and Kenyan HIV-positive pediatric patients.. In **Medical science monitor**. Vol. 17 no. 3 (2011), p. 154-158. (1.699-IF2011)
- [31] ČIPÁK, Ľ. - ZHANG, C. - KOVACIKOVA, I. - RUMPF, C. - Miadoková, E. - Shokat, K. - Gregan, J.: Generation of a set of conditional analog-sensitive alleles of essential protein kinases in the fission yeast *Schizosaccharomyces pombe*. In **Cell Cycle**. Vol. 10 no. 20 (2011), p. 3527-3532. (4.999-IF2011)

### Scientific publications in other journals: 3

- [1] HOLEC, V. - HOLECOVA, A. - ZAJAC, V. - DANIHEL, L. - ADAMCIKOVA, Z. - MEGO, M.: Možnosti uplatnenia probiotík v onkológii. In **Onkológia**. Vol. 4 no. (2011), p. 224-229.
- [2] BROZMANOVÁ, J.: Selén a rakovina: od prevencie k liečbe. In **Klinická onkologie**. Vol. 24 no. 3 (2011), p. 171-171.
- [3] FRECER, V.: Theoretical prediction of drug-receptor interactions.. In **Drug Metabolism and Drug Interactions**. Vol. 26 no. 3 (2011), p. 91-104.