

# **ERRATA 2003 – 2006**

## **RESEARCH OUTPUTS 2003**

### **Monographs published in Slovakia: 1**

1. KAUŠITZ, J. – ALTANER, Č. a kolektív autorov. *Onkológia*. Bratislava: Veda, 2003. 712. ISBN 80-224-0711-9

### **Books published in Slovakia: 2**

1. BABUŠÍKOVÁ O. Imunitný systém – jeho zložky a funkcie. Imunitný systém a nádory. Liga proti rakovine SR, 2003, s. 26.
2. PLEŠKO, I. - OBŠITNIKOVÁ, A. - ŠTEFAŇÁKOVÁ, D. - KUZMA, I. - CUNINKOVÁ, M. - Hlavatá, B. - BENEŠOVÁ, A. - KOMPAUEROVÁ, H. - RÁKOCZOVÁ, E. - ONDROVIČOVÁ, M. - MADŽOVÁ, J. - POKRIVČÁKOVÁ, M. - ŠPANKOVÁ, A.: Incidencia zhoubných nádorov v Slovenskej republike 2000. Bratislava, K.F.Print 2003, s. 210.

### **Chapters in monographs/books published in Slovakia: 6**

1. ALTANER, Č.: Biologické aspekty nádorového ochorenia. In: Kaušitz, J. Č. (eds).: Onkológia. Veda, Bratislava 2003, s. 1-48.
2. CUNINKOVÁ, M. – VLASÁK, V. – ZÁMOCKÁ, E.: Epidemiológia zhoubných nádorov. In: Kaušitz, J. Č. (eds).: Onkológia. Veda, Bratislava 2003, s. 62-66. – menej ako 10 strán
3. MAŤOŠKA, J. – JOZEFÁKOVÁ, J. – HLAVČÁK, P. – SIRACKÝ, J. – SEDLÁK J.: Patológia malígnych ochorení. In: Kaušitz, J. Č. (eds).: Onkológia. Veda, Bratislava 2003, s. 67-91.
4. PAYER, J. – HNILICA, P. – PODOBOVÁ, M. – ALTANEROVÁ, V.: Nádory štítej žľazy a iných endokrinných orgánov. In: Kaušitz, J. Č. (eds).: Onkológia. Veda, Bratislava 2003, s. 515-544.
5. PLEŠKO, I.- CUNINKOVÁ, M.-: Epidemiológia. In: Ondruš, D. (eds).: Nádory testis. Osveta, Martin 2003 (v tlači).
6. PLEŠKO, I.- CUNINKOVÁ, M.-: Rizikové faktory. In: Ondruš, D. (eds).: Nádory testis. Osveta, Martin 2003 (v tlači).
7. UJHÁZY, V.: História onkológie na Slovensku. In: Kaušitz, J. Č. (eds).: Onkológia. Veda, Bratislava 2003, s. XLV-XLIX. – menej ako 10 strán
8. WEISMANOVÁ, E. –WEISMANN, P. –BARTOŠOVÁ, Z. –FRIDRICHOVÁ, I. –ILENČÍKOVÁ, D. –ZAJAC, V.: Využitie metód molekulovej genetiky v diagnostike nádorového ochorenia. In: Kaušitz, J. Č. (eds).: Onkológia. Veda, Bratislava 2003, s. 93-108.

### **Chapters in monographs/books published abroad: 3**

1. BIES, J. – WOLFF, L.: c-Myb and leukemia genesis. In: Myb Transcription Factors: Their Role in Growth, Differentiation, and Disease, edited by Jon Frampton, Kluwer Academic Publishers, Dordrecht 2003, Netherlands.
2. FRECER, V. - BURELLO, A. - MIERTUŠ, S. Design of protease inhibitors by computer-assisted combinatorial chemistry. In COMBINATORIAL CHEMISTRY and TECHNOLOGY, Miertuš S., Fassina G, eds., Marcel Decker. New York, 2003.
3. GÁBELOVÁ, A. – DUŠINSKÁ, M. Alkalická jednobunková gélová elektroforéza-kométový test (the single cell gel electrophoresis-the alkaline comet assay). Acta Hygienica epidemiologica et microbiologica, Státní zdravotní ústav, Praha, 3/2003, 2003. ISSN 0862-5956
4. PLEŠKO, I. - OBŠITNÍKOVÁ,A. (members of working group) Survival if from individual cancer sites in Slovakia. In: Berrino,F., et all eds.: Survival cancer patients in Europe: The EUROCARE – 3 study, 2003, (v tlači). dôvod vylúčenia – Národný onkologický register
5. PLEŠKO, I.- OBŠITNÍKOVÁ, A.- MANÁKOVÁ, E.- ADAMČÍK, J.: Age standardized and cumulative incidence rates (three-digit rubrics).In: Parkin,D.M., Whelan,S.L., Ferlay,J., Teppo,L., Thomas,D.B. (eds): Cancer Incidence in Five Continents Vol. VIII. IARC Scientific Publications No.155. Lyon 2002, s. 515-704. dôvod vylúčenia – Národný onkologický register
6. PLEŠKO, I.- OBŠITNÍKOVÁ, A.- MANÁKOVÁ, E.- ADAMČÍK, J.: Indices of data quality. In: Parkin,D.M., Whelan,S.L., Ferlay,J., Teppo,L., Thomas,D.B. (eds): Cancer Incidence in Five Continents Vol. VIII. IARC Scientific Publications No.155. Lyon 2002, s. 705-771. dôvod vylúčenia – Národný onkologický register
7. PLEŠKO, I.- OBŠITNÍKOVÁ, A.- MANÁKOVÁ, E.- ADAMČÍK, J.: Slovakia .In: Parkin,D.M., Whelan,S.L., Ferlay,J., Teppo,L., Thomas,D.B. (eds): Cancer Incidence in Five

Continents Vol. VIII. IARC Scientific Publications No.155. Lyon 2002, s. 418-420. dôvod vylúčenia – Národný onkologický register

8. **PLEŠKO, I.- OBŠITNÍKOVÁ,A.**: Epidemiologické východiská prevencie zhubných nádorov na Slovensku. In: Honzátková,Z., Badalík,L., Ondrejka,J., eds.: Zborník č. 8. Sekcia zdravotníckej štatistiky pri Spoločnosti sociálneho lekárstva. Bratislava UZIŠ 2003, s.66-84. dôvod vylúčenia – Národný onkologický register
9. **PLEŠKO, I.**: The health care system, cancer registration and follow-up of cancer patients in Slovakia. In: Berrino,F., et all eds.: Survival cancer patients in Europe: The EUROCARE – 3 study, 2003. dôvod vylúčenia – Národný onkologický register

## CC publications: 41

1. **BABUŠÍKOVÁ, O. - TOMOVÁ, A.** Hairy cell leukemia: early immunophenotypic detection and quantitative analysis by flow cytometry. In *Neoplasma*. Vol. 50, no. 5, 2003, p. 350-356. (IF2005: 0.731)
2. **BARTOŠOVÁ, Z. - FRIDRICHOVÁ, I. - BUJALKOVÁ, M. - WOLF, B. - KRIŽAN, P. - HLAVČÁK, P. - PALAJ, J. - LUKÁČ, Ľ. - LUKÁČOVÁ, M. - BÖÖR, A. - HAIDER, R. - JIRICNY, J. - NYSTROM-LAHTI, M. - MARRA, G.** Novel *hMLH1* and *hMSH2* germline mutations in the HNPCC families identified in Slovakia. In *Human Mutation*. Vol. 21, no. 4, 2003, p. 449-453. (IF2005: 7.923)
3. BIENSTOCK, R.J. - **SKORVAGA, M. - MANDAVILLI, B.S. - VANHOUTEN, B.** Structural and functional characterization of the human DNA repair helicase XPD by comparative molecular modeling and site-directed mutagenesis of the bacterial repair protein UvrB. In *Journal of Biological Chemistry*. Vol. 278, no. 7, 2003, p. 5309-5316. (IF2005: 5.854)
4. CAPOCACCIA, R. - GATTA, G. - ROAZI, P. - CARRANI, E. - SANTAQUILANI, M. - DE ANGELIS, R. - TAVILLA, A. - EUROCARE Working group (**PLESKO, I.** – člen). The EUROCARE-3 database: methodology of data collection, standardization, quality control and statistical analysis. In *Annals of Oncology*. Vol. 14, Suppl. 5, 2003, p.14-27. (IF2005: 4.319) dôvod vylúčenia – Národný onkologický register
5. ČIERNIKOVÁ, S. - **TOMKA, M. - SEDLÁKOVÁ, O. - REINEROVÁ, M. - ŠTEVURKOVÁ, V. - KOVÁČ, M. - ILENČÍKOVÁ, D. - BELLA, V. - ZAJAC, V.** The novel exon 11 mutation of BRCA1 gene in a high-risk family. In *Neoplasma*. Vol. 50, no. 6, 2003, p. 403-407. (IF2005: 0.731)
6. ČIPÁK, Ľ. - BERCEZELIOVÁ, E. - PAULIKOVÁ, H. Effects of flavonoids on glutathion and glutathion-related enzymes in cisplatin-treated L1210 leukemia cells. In *Neoplasma*. Vol. 50, no. 6, 2003, p. 443-446. (IF2005: 0.731)
7. ČIPÁK, Ľ. - NOVOTNÝ, L. - ČIPÁKOVÁ, I. - RAUKO, P. Differential modulation of cisplatin and doxorubicin efficacies in leukemia cells by flavonoids. In *Nutrition Research*. Vol 23, 2003, p. 1045-1057. (IF2005: 0.772)
8. ČIPÁK, Ľ. - RAUKO, P. - MIADOKOVÁ, E. - ČIPÁKOVÁ, I. - NOVOTNÝ, L. Effect of flavonoids in cisplatin-induced apoptosis of HL-60 and L1210 leukemia cells. In *Leukemia Research*. Vol. 27, no. 1, 2003, p. 65-72. (IF2005: 2.372)
9. COJOCEL, C. - NOVOTNÝ, L. - VACHÁLKOVÁ, A. - KNAUF, B. Comparison of the carcinogenic potential of streptozotocin by polarography and alkaline elution. In *Neoplasma*. Vol. 50, no. 2, 2003, p. 110-116. (IF2005: 0.731)
10. COLEMAN, M.P. - GATTA, G. - VERDECCHIA, A. - ESTEVE, J. - SANT, M. - STORM, H. - ALLEMAMI, C. - CICOLALLO, L. - SANTAQUILANI, M. - BERRINO, F. - EUROCARE Working group (**PLESKO, I.** – člen). EUROCARE-3 summary: cancer survival in Europe at the end of the 20th century. In *Annals of Oncology*. Vol. 14, Suppl. 5, 2003, p 128-149. (IF2005: 4.319) dôvod vylúčenia – Národný onkologický register
11. CONCIN, N. – STIMPFL, M. – ZEILLINGER, C. – WOLFF, U. – HEFLER, L. – **SEDLAK, J.** – LEODOLTER, S. – ZEILLINGER, R. Role of p53 in G2/M cell cycle arrest and apoptosis in response to gamma-irradiation in ovarian carcinoma cell lines. In *International Journal of Oncology*. Vol. 22, no. 1, 2003, p. 51-57. (IF2005: 2.681)
12. **DUDÁŠ, A. - MARKOVÁ, E. - VLASÁKOVÁ, D. - KOLMAN, A. - BARTOŠOVÁ, Z. - BROZMANOVÁ, J. - CHOVARNEC, M.** The *Escherichia coli* RecA protein complements recombination defective phenotype of the *Saccharomyces cerevisiae rad52* mutant cells. In: *Yeast*. Vol. 20, no. 5, 2003, p. 389-396. (IF2005: 2.301)
13. **DUDÁŠOVÁ, Z. - CHOVARNEC, M.** Artemis, a novel guardian of the genome. In *Neoplasma*. Vol. 50, no. 5, 2003, p. 311-318. (IF2005: 0.731)
14. EL-SAGGAN, A. - DOVINOVÁ, I. - SULOVA, Z. - BARANČÍK, M. - **HUNÁKOVÁ, Ľ.** - BREIER, A. - UHRÍK, B. Hypoxia increases cell death in multidrug-resistant leukemia cells. Differences in viability and ultrastructure between sensitive and multidrug-resistant L1210 mouse leukemic cells under hypoxia. In *General physiology and biophysics*. Vol. 22 no. 2 (2003), p. 265-273. (IF2005: 0.56)
15. FARMER, P. - SINGH, R. - ŠRÁM, R. - BINKOVÁ, B. - KALINA, I. - POPOV, T. - GARTE, S. - TAIOLI, E. - **GÁBELOVÁ, A.** - CEBULSKA-WASILEWSKA, A. Molecular epidemiology studies of carcinogenic environmental pollutants. Effects of polycyclic

aromatic hydrocarbons (PAHs) in environmental pollution on exogenous and oxidative DNA damage.. In **Mutation research-Reviews in mutation research**. Vol. 544 no. (2003), p. 397-402. (IF2005: 5.333)

16. GATTA, G. - CORAZZIARI, C. - MAGNANI, C. - PERIS-BONET, R. - ROAZZI, P. - STILLER, C. - EUROCARE Working group (PLESKO, I. – člen). Childhood cancer survival in Europe. In *Annals of Oncology*. Vol. 14, Suppl. 5, (2003), p. 119-127. (IF2005: 4.319) dôvod vylúčenia – Národný onkologický register
17. GONTIER, E. - CARIO-ANDRE, M. – VERGNES, P. – BIZIK, J. - SURLEVE-BAZEILLE, J.E. – TAIEB, A. The 'Abtropfung phenomenon' revisited: Dermal nevus cells from congenital nevi cannot activate matrix metalloproteinase 2 (MMP-2). In *Pigment Cell Res.* Vol. 16, no. 4, 2003, p. 366-73. (IF2005: 2.679)
18. HORVÁTHOVÁ, K. - NOVOTNÝ, L. - VACHÁLKOVÁ, A. The free radical scavenging activity of four flavonoids determined by the comet assay. In *Neoplasma*. Vol. 50, no. 4, 2003, p. 291-294. (IF2005: 0.731)
19. JANTOVÁ, S. - ČIPÁK, L. - ČERNÁKOVÁ, M. - KOŠŤÁLOVÁ, D. Effect of berberine on proliferation, cell cycle and apoptosis in HeLa and L1210 cells. In *Journal of Pharmacy and Pharmacology*. Vol. 55, no. 8, 2003, p. 1143-1149. (IF2005: 1.396)
20. JANTOVÁ, S. - ČIPÁK, L. - SLAMEŇOVÁ, D. - HORVÁTH, V. - RAUKO, P. Induction of cytotoxicity and ssDNA breaks by 9-bromo-5-morpholinol-tetrazolo[1,5-c]quinazoline in tumor cells cultivated *in vitro*. In *Toxicology in Vitro*. Vol. 17, 2003, p. 457-463. (IF2005: 1.754)
21. KLOBUŠICKÁ, M. - KUSENDA, J. - BABUŠÍKOVÁ, O. Argyrophilic nucleolar organizer regions (AgNORs) in relation to p53 and bcl-2 protein expression in leukemia patients. In *Neoplasma*. Vol. 50, no. 6, 2003, p. 408-415. (IF2005: 0.731)
22. KOGAN, G. - RAUKO, P. - MACHOVÁ, E. Fungal chitin glucan derivatives exert protective or damaging activity on plasmid DNA. In *Carbohydrate Research*. Vol. 338, no. 9, 2003, p. 931-935. (IF2005: 1.669)
23. KONÍKOVÁ, E. - KUSENDA, J. Altered expression of p53 and MDM2 proteins in hematological malignancies. In *Neoplasma*. Vol. 50, no. 1, 2003, p. 31-40. (IF2005: 0.731)
24. KRIŽKOVÁ, L. - ĐURAČKOVÁ, Z. - ŠANDULA, J. - SLAMEŇOVÁ, D. - SASINKOVÁ, V. - SIVOŇOVÁ, M. - KRAJČOVIČ, J. Fungal β (1→3)-D-glucan derivatives exhibit high antioxidative and antimutagenic activity *in vitro*. In *Anticancer Research*. Vol. 23, 2003, p. 2751-2756. (IF2005: 1.604)
25. KYSELA, B. – DOHERTY, A. J. – CHOVANEC, M. – STIFF, T. – AMEER-BERG, S. M. – VOJNOVIC, B. – GIRARD, P. M. – JEGGO, P. A. Ku stimulation of DNA ligase IV-dependent ligation requires inward movement along the DNA molecule. In *Journal of Biological Chemistry*. Vol. 278, no. 25, 2003, p. 22466-22474. (IF2005: 5.854)
26. LÁBAJ, J. - SLAMEŇOVÁ, D. - KOŠÍKOVÁ, B. Reduction of genotoxic effects of carcinogen N-methyl-N-nitro-N-nitrosoamine by dietary lignin in mammalian cells cultured *in vitro*. In *Nutrition and cancer - an international journal*. Vol. 47 no. 1, 2003, p. 95-103 (IF2005: 2.426)
27. LUCIAKOVÁ, K. - BARÁTH, P. - POLIAKOVÁ, D. - PERSSON, A. - NELSON, B.D. Repression of the human adenine nucleotide translocase-2 gene in growth-arrested human diploid cells. The role of nuclear factor-1. In *Journal of Biological Chemistry*. Vol. 278, no. 33, 2003, p 30624-30633. (IF2005: 5.854)
28. MARKOVÁ, E. – CLEMENDSON, C. – KOLMAN, A. Use of the PFGE assay for studies of DNA breakage induced by toxic chemicals. In *ATLA*. Vol. 31, 2003, p. 283-288. (IF2005: 0.67)
29. MARKUS, J. - FEJKOVÁ, S. - SRAMKO, M. - WOLFF, L. - BIES, J. Proliferation-linked expression of the novel murine gene m4mbt encoding a nuclear zinc finger protein with four mbt domains. In *Gene*. Vol. 319, 2003, p. 117-126. (IF2005: 2.694)
30. MICHELI, A. - BAILI, P. - QUINN, M. - MUGNO, R. - CAPOCACCIA, R. - GROSCLAUDE, P. - EUROCARE Working group (PLESKO, I. – člen). Life expectancy and survival in the EUROCARE-3 cancer registry areas. In *Annals of Oncology*. Vol. 14, Suppl. 5, (2003), p. 28-40. (IF2005: 4.319) dôvod vylúčenia – Národný onkologický register
31. MICHELI, A. - COEBERGH, J. - MUGNO, E. - MASSIMILIANI, E. - SANT, M. - OBERAIGNER, W. - HOLUB, J. - STORM, H. - FORMAN, D. - QUINN, M. - AARELEID, T. - SANKILA, R. - HAKULINEN, T. - FAIVRE, J. - ZIEGLER, H. - TRYGGVADOTTIR, L. - ZANETTI, R. - DALMAS, M. - VISSER, O. - LANGMARK, F. - BIELSKA-LASOTA, M. - WRONKOWSKI, Z. - PINHEIRO, P. - BREWSTER, D. - PLEŠKO, I. - POMPE-KIRN, V. - MARTINEZ-GARCIA, C. - BARLOW, L. - MOLLER, T. - LUTZ, J. - ANDRE, M. - STEWARD, J. European health systems and cancer care. In *Annals of oncology*. Vol. 14 no. 5 (2003), p. 41-60. (IF2005: 4.319) dôvod vylúčenia – Národný onkologický register
32. MLČÁKOVÁ, A. – BABUŠÍKOVÁ, O. Multiparametric flow cytometry in detection of minimal residual disease in acute lymphoblastic leukemia of early B-cell phenotype. In *Neoplasma*. Vol. 50, no. 6, 2003, p. 416-421. (IF2005: 0.731)

33. NOVOTNÝ, L. - VACHÁLKOVÁ, A. - BLEŠOVÁ, M. - DENNY, BJ. - SHARMA, D. - OVESNÁ, Z. - ZÁMOCKÁ, J. Physico-chemical properties and spectrophotometric determination of biologically active 1-alkyl-2-(2-pyridyl)pyridinium bromides. In *Pharmazie*. Vol. 58, no. 5, 2003, p. 320-324. (IF2005: 0.677)
34. POLAKOVA, K. - BANDZUCHOVA, E. - HOFMEISTER, V. - WEISS, E.H. - HUTTER, H. - RUSS, G. Binding analysis of HLA-G specific antibodies to hematopoietic cells isolated from leukemia patients. In *Neoplasma*. Vol 50, no. 5, 2003, p. 331-338. (IF2005: 0.731)
35. POLAKOVA, K. - BENNINK, J.R. - YEWDELL, J.W. - BYSTRICKA, M. - BANDZUCHOVA, E. - RUSS, G. Mild acid treatment induces cross-reactivity of 4H84 monoclonal antibody specific to nonclassical HLA-G antigen with classical HLA class I molecules. In *Human Immunology*. Vol 64, no. 2, 2003, p. 256-264. (IF2005: 2.467)
36. POLAKOVA, K. - KRCOVA, M. - KUBA, D. - RUSS, G. Analysis of HLA-G expression in malignant hematopoietic cells from leukemia patients. In *Leukemia Research*. Vol. 27, no. 7, 2003, p. 643-648. (IF2005: 2.372)
37. POLČICOVÁ, K. - KEMPNÁ, P. - ŠABOVÁ, L. - GAVURNÍKOVÁ, G. - POLČIC, P. - KOLAROV, J. The delivery of ADP/ATP carrier protein to mitochondria probed by the fusions with green fluorescent protein and β-galactoside. In *FEMS Yeast Research*. Vol. 4, no. 3, 2003, p 315-321. (IF2005: 2.477)
38. PRACHAR, J. Intimate contacts of mitochondria with nuclear envelope as a potential energy gateway for nucleo-cytoplasmic mRNA transport. In *General Physiology and Biophysics*. Vol. 22, no. 4, 2003, p 525-534. (IF2005: 0.56)
39. RAUKO, P. - BAUER, W. - HORVATH, Z. - HOCHTL, T. - SAIKO, P. - KARL, D. - SCHOTT, H. - FRITZER-SZEKERES, M. - NOVOTNY, L. - SZEKERES, T. Combination effects of Ara-C and 5-Fluorodeoxyuridine against leukemia cells in vitro and in mice. In *Anticancer Res*. Vol. 23, 2003, p. 3841-3845. (IF2005: 1.604)
40. ROAZZI, P. - CAPOCACCIA, R. - SANTAQUILANI, M. - CARRANI, E. - EUROCARE working group (PLEŠKO, I. – člen). Electronic availability of the EUROCARE-3 data: a tool for further analysis. In *Annals of Oncology*. Vol. 14, Suppl. 5, 2003, p. 150 -155. (IF2005: 4.319) dôvod vylúčenia – Národný onkologický register
41. ROMANOVÁ, D. - NETRIOVÁ, J. - BOŽEK, P. - OVESNÁ, Z. - KROUPA, K. - VALOVIČOVÁ, E. - VACHÁLKOVÁ, A. Rapid HPLC analysis of melphalan applied to hyperthermic isolation limb perfusion. In *Neoplasma*. Vol. 50, no. 2, 2003, p. 120-124. (IF2005: 0.731)
42. RYBANSKÁ, I. - PIRŠEL, M. Involvement of the nucleotide excision repair proteins in the removal of oxidative DNA base damage in mammalian cells. In *Neoplasma*. Vol. 50, no. 6, 2003, p. 389-395. (IF2005: 0.731)
43. SANT, M. - AARELEID, T. - BERRINO, F. - BIELSKA-LASOTA, M. - CARLI, P.M. - FAIVRE, J. - CROSCLAUDE, P. - HEDELIN, G. - MATSUDA, T. - MOLLER, T. - VERDECCHIA, A. - CAPOCACCIA, R. - GATTA, G. - MICHELI, A. - SANTAQUILANI, M. - ROAZZI, P. - LISI, D. - EUROCARE working group (PLEŠKO, I. – člen). EUROCARE-3: survival of cancer patients diagnosed 1990-94 – results and commentary. In *Annals of Oncology*. Vol. 14, Suppl. 5, (2003), p. 61-118. (IF2005: 4.319) dôvod vylúčenia – Národný onkologický register
44. SANTOS, J.H. – HUNAKOVA, L. – CHEN, Y. M. – BORTNER, C. – VANHOUTEN, B. Cell sorting experiments link persistent mitochondrial DNA damage with loss of mitochondrial membrane potential and apoptotic cell death. In *Journal of Biological Chemistry*. Vol. 278, no. 3, 2003, p. 1728-1734. (IF2005: 5.854)
45. ŠKORVAGA, M. – ČERNÁKOVÁ, I. – CHOVARNEC, M. – VLASÁKOVÁ, D. – KLEIBL, K. – HENDRY, J. H. – MARGISON, G. P. – BROZMANOVÁ, J. Effect of expression of the *E. coli nth* gene in *Saccharomyces cerevisiae* on the toxicity of ionizing radiation and hydrogen peroxide. In: *Int. J. Radiat. Biol.* Vol. 79, no. 9, 2003, p. 747-755. (IF2005: 1.923)
46. SLAMEŇOVÁ, D. - HORVÁTHOVÁ, E. - ROBICHOVÁ, S. - HRUŠOVSKÁ, L. - GÁBELOVÁ, A. - KLEIBL, K. - JAKUBIKOVÁ, J. - SEDLÁK, J. Molecular and cellular influences of butylated hydroxyanisole on Chinese hamster V79 cells treated with N-methyl-N'-nitroN-nitrosoguanidine: Antimutagenicity of butylated hydroxyanisole. In *Environmental and Molecular Mutagenesis*. Vol. 41, 2003, p. 28-36. (IF2005: 2.043)
47. SLAMEŇOVÁ, D. - LÁBAJ, J. - KŘÍŽKOVÁ, L. - KOGAN, G. - ŠANDULA, J. - BRESGEN, N. - ECKL, P. Protective effects of fungal (1→3)-β-D-glucan derivatives against oxidative DNA lesions in V79 hamster lung cells. In *Cancer Letters*. Vol. 198, 2003, p. 153-160. (IF2005: 3.049)
48. WOLFF, L. - GARIN, M. - KOLLER, R. - BIES, J. - LIAO, W. - MALUMBRES, M. - TESSAROLLO, L. - POWELL, D. - PERELLA, C. Hypermethylation of the Ink4b locus in murine myeloid leukemia and increased susceptibility to leukemia in p15Ink4bdeficient mice. In *Oncogene*. Vol. 22, 2003, p. 9265-9273. (IF2005: 6.872)

## **RESEARCH OUTPUTS 2004**

### **Monographs published in Slovakia: 1**

PLEŠKO, I. - OBŠITNÍKOVÁ, A. - ŠTEFAŇÁKOVÁ, D. - CUNINKOVÁ, M. - KUZMA, I. - BENEŠOVÁ, A. - HLAVATÁ, B. - KOMPAUEROVÁ, H. - RÁKOCZOVÁ, E. - ONDROVIČOVÁ, M. - MADŽOVÁ, J. - POKRIVČÁKOVÁ, M. - ŠPANKOVÁ, A.: *Incidencia zhubných nádorov v Slovenskej republike 2001*. Bratislava: KF Print, 2004, 208 s.

## **Books published in Slovakia: 3**

1. ALTANER Č: Je rakovina dedičná? ISBN 80-89201-00-8 vydaná Ligou proti rakovine
2. ALTANER Č: Prečo fajčenie cigariet spôsobuje rakovinu ISBN 80-98201-01-6 vydaná Ligou proti rakovine
3. ALTANER Č: Vplyv stravy na vznik a prevenciu nádorového ochorenia ISBN 8089201075 vydaná Ligou proti rakovine

## **Chapters in monographs/books published in Slovakia: 2**

1. PLEŠKO, I. - CUNINKOVÁ, M.: Epidemiológia. In: ONDRUŠ, D. (eds.): *Nádory testis, diagnostika a liečba*. Martin: Osveta 2004. ISBN 80-8063-152-2. p. 13-26.
2. PLEŠKO, I. - CUNINKOVÁ, M.: Rizikové faktory. In: ONDRUŠ, D. (eds.): *Nádory testis, diagnostika a liečba*. Martin: Osveta 2004. ISBN 80-8063-152-2. p. 27-37.
3. ALTANER Č: kapitola 1.6. Hormonálne dependentné neoplázie. In *Všeobecná a klinická endokrinológia* A. Kreze, P. Langer, I. Klimeš, L. Stárka, J. Payer, J. Michálek (eds.), AEP, Bratislava 2004 – menej ako 10 strán
4. ALTANER Č: kapitola 1.6.2. Pohlady molekulárno genetické. In *Všeobecná a klinická endokrinológia* A. Kreze, P. Langer, I. Klimeš, L. Stárka, J. Payer, J. Michálek (eds.), AEP, Bratislava 2004 – menej ako 10 strán

## **Chapters in monographs/books published abroad: 0**

1. ONDRUŠ, D. - CUNINKOVÁ, M. - HORŇÁK, M. - PLEŠKO, I. - GALBAVÝ, Š.: Histopatologické charakteristiky nádorov močového mechúra vo vzťahu k prežívaniu klinického súboru pacientov (1968-2003). In: Abrahámová, J.(ed.): *Vybrané otázky onkologie VIII*. Praha, Galén 2004, s. 12-16. – menej ako 10 strán

## **CC publications: 49**

1. ALTANEROVÁ, V. - HOLIČOVÁ, D. - KUČEROVÁ, L. - ALTANER, Č. - LAIRMORE, M. - BORIS-LAVRIE, K.

Long-term infection with retroviral structural gene vector provides protection against bovine leukemia virus disease in rabbits. In **Virology**. Vol. 329 no. (2004), p. 434-439. (IF2005: 3.08)

2. ANKER, P. - ZAJAC, V. - LYAUTHEY, J. - LEDERREY, C. - DUNAND, C. - LEFORT, F. - MULCAHY, H. - HEINEMANN, J. - STROUN, M.

Transcission of DNA from bacteria to human cells in culture: a possible role in oncogenesis. In **Annals of the New York Academy of Sciences**. Vol. 1022 no. jun (2004), p. 195-201. (IF2005: 1.971)

3. BABINCOVÁ, M. - ALTANEROVÁ, V. - ALTANER, Č. - ČIČMANEC, P. - BABINEC, P.

In vivo heating of magnetic nanoparticles in altering magnetic field. In **Medical Physics**. Vol. 31 no. 8 (2004), p. 2219-2221. (IF2005: 3.192)

4. BABUŠÍKOVÁ, O. - ŠTEVULOVÁ, L.

Analysis of surface and cytoplasmic immunoglobulin light/heavy chains by flow cytometry using a lysed-whole-blood technique:Implications for the differential diagnosis of B-cell malignancies. In **Neoplasma**. Vol. 51 no. 6 (2004), p. 423-431. (IF2005: 0.731)

5. BABUŠÍKOVÁ, O. - ŽELEZNÍKOVÁ, T.

The value of multiparameter flow cytometry of cerebrospinal fluid involved by leukemia/lymphoma cells. In **Neoplasma**. Vol. 51 no. 5 (2004), p. 345-351. (IF2005: 0.731)

6. BARÁTH, P. - POLIAKOVÁ, D. - LUCIAKOVÁ, K. - NELSON, B.

Identification of NF1 as a silencer protein of the human adenine nucleotide translocase-2 gene. In **European Journal of Biochemistry**. Vol. 271 no. (2004), p. 1781-1788. (IF2005: 3.164)

7. BIZIK, J. - KANKURI, E. - RISTIMÄKI, A. - TAIEB, A. - VAPAATALO, H. - LUBITZ, W. - VAHERI, A.

Cell-cell contacts trigger programmed necrosis and induce cyclooxygenase-2 expression. In **Cell Death and Differentiation**. Vol. 11 no. (2004), p. 183-195. (IF2005: 7.785)

8. BROZMANOVÁ, J. - VLČKOVÁ, V. - CHOVANEC, M.

How heterologously expressed Escherichia coli genes contribute to understanding DNA repair processes in *Saccharomyces cerevisiae*. In **Current Genetics**. Vol. 46 no. 6 (2004), p. 317-330. (IF2005: 2.346)

9. ČIPÁK, L. - PAULIKOVÁ, H. - NOVOTNÝ, L. - JAROŠOVÁ, M. - RAUKO, P.

Potentiation of doxorubicin-induced apoptosis and differentiation by indimethacin in K-562 leukemia cells. In **Neoplasma**. Vol. 51 no. 3 (2004), p. 188-192. (IF2005: 0.731)

- 10.** DELLAVECCHIA, M. - CROTEAU, D. - ŠKORVAGA, M. - DEZHUROV, S. - LAVRIK, O. - VAN HOUTEN, B. Analyzing the handoff of DNA from UvrA to UvrB utilizing DNA-protein photoaffinity labeling. In **Journal of Biological Chemistry**. Vol. 279 no. 43 (2004), p. 45245-45256. (IF2005: 5.854)
- 11.** DUDÁŠ, A. - CHOVALEC, M. DNA double-strand break by homologous recombination. In **Mutation Research-Reviews in Mutation Research**. Vol. 566 no. 2 (2004), p. 131-167. (IF2005: 5.333)
- 12.** DUDÁŠOVÁ, Z. - DUDÁŠ, A. - ALEMAYEHU, A. - VLASÁKOVÁ, D. - MARKOVÁ, E. - CHOVALEC, M. - VLČKOVÁ, V. - BROZMANOVÁ, J. Disruption of the RAD51 gene sensitizes *S. cerevisiae* cells to the toxic and mutagenic effects of hydrogen peroxide. In **Folia Microbiologica**. Vol. 49 no. 3 (2004), p. 259-264. (IF2005: 0.918)
- 13.** DUDÁŠOVÁ, Z. - DUDÁŠ, A. - CHOVALEC, M. Non-homologous end-joining factors of *Saccharomyces cerevisiae*. In **FEMS Microbiology Reviews**. Vol. 28 no. 5 (2004), p. 581-601. (10.16-IF2003) (IF2005: 10.00)
- 14.** EBENSEN, T. - PAUKNER, S. - LINK, C. - KUDELA, P. - DE DOMENICO, C. - LUBITZ, W. - GUZMAN, A. Bacterial ghosts are an efficient delivery system for DNA vaccines.. In **Journal of Immunology**. Vol. 172 no. 11 (2004), p. 6858-6865. (IF2005: 6.387)
- 15.** FRECER, V. - KABELÁČ, M. - DE NARDI, P. - PRICL, S. - MIERTUŠ, S. Structure-based design of inhibitors of NS3 serine protease of hepatitis C virus. In **Journal of Molecular Graphics and Modelling**. Vol. 22 no. 3 (2004), p. 209-220. (IF2005: 2.333)
- 16.** GÁBELOVÁ, A. - BINKOVÁ, B. - VALOVIČOVÁ, Z. - ŠRÁM, R. DNA adduct formation by 7H-dibenzo[c,g]carbazole and its tissue and organ specific derivatives in V79 cell lines stably expressing cytochrome P450 enzymes. In **Environmental and Molecular Mutagenesis**. Vol. 44 no. 5 (2004), p. 448-458. (IF2005: 2.043)
- 17.** GÁBELOVÁ, A. - VALOVIČOVÁ, Z. - HORVÁTHOVÁ, E. - SLAMEŇOVÁ, D. - BINKOVÁ, B. - ŠRÁM, R. - FARMER, P. Genotoxicity of environmental air pollution in three European cities: Prague, Košice and Sofia. In **Mutation Research - Genetic Toxicology and Environmental Mutagenesis**. Vol. 563 no. (2004), p. 49-59. (IF2005: 2.188)
- 18.** HLAVATÝ, J. - PORSTMOUTH, D. - STRACKE, A. - SALMONS, B. - GUNZBURG, W. - RENNER, M. Effects of sequences of prokaryotic origin on titer and transgene expression in retroviral vectors.. In **Virology**. Vol. 330 no. (2004), p. 351-360. (IF2005: 3.08)
- 19.** HLAVATÝ, J. - STRACKE, A. - KLEIN, D. - SALMONS, B. - GUNZBURG, W. - RENNER, M. Multiple modifications allow high-titer production of retroviral vectors carrying heterologous regulatory elements.. In **Journal of Virology**. Vol. 78 no. 3 (2004), p. 1384-1392. (IF2005: 5.178)
- 20.** HLUBINOVÁ, K. - RYCHLÝ, B. - ALTANEROVÁ, V. - EBRINGER, L. - ALTANER, Č. Influence of diet containing lyophilized *Enterococcus faecium* M-74 with organic selenium on tumor incidence in Apc1638N mice. In **Neoplasma**. Vol. 51 no. 5 (2004), p. 341-344. (IF2005: 0.731)
- 21.** HORVÁTHOVÁ, E. - DUŠINSKÁ, M. - SHAPOSHNIKOV, S. - COLLINS, A. DNA damage and repair measured in different genomic regions using the comet assay with fluorescent in situ hybridization. In **Mutagenesis**. Vol. 19 no. 4 (2004), p. 269-276. (IF2005: 2.094)
- 22.** HORVÁTHOVÁ, E. - NOVOTNÝ, L. - TÓTHOVÁ, D. - VACHÁLKOVÁ, A. Determination of free radical scavenging activity of quercetin, rutin, luteolin and apigenin in H2O2-treated human ML cells K562. In **Neoplasma**. Vol. 51 no. 5 (2004), p. 396-400. (IF2005: 0.731)
- 23.** KUBÍK, A. - ZATLOUKAL, P. - TOMÁŠEK, L. - PAUK, N. - PETRUŽELKA, L. - PLEŠKO, I. Lung cancer risk among nonsmoking women in relation to diet and physical activity. In **Neoplasma**. Vol. 51 no. 2 (2004), p. 136-143. (IF2005: 0.731)
- 24.** KUSENDA, J. - BABUŠÍKOVÁ, O. Antigen modulation followed by quantitative flow cytometry of B-chronic lymphocytic leukemia cells after treatment. In **Neoplasma**. Vol. 51 no. 2 (2004), p. 97-102. (IF2005: 0.731)
- 25.** LÁBAJ, J. - SLAMEŇOVÁ, D. - LAZAROVÁ, M. - KOŠÍKOVÁ, B. Lignin-stimulated reduction of oxidative DNA lesions in testicular cells and lymphocytes of Sprague-Dawley rats in vitro and ex vivo. In **Nutrition and Cancer - An International Journal**. Vol. 50 no. 2 (2004), p. 198-205. (IF2005: 2.426)
- 26.** LÁBAJ, J. - WSÓLOVÁ, L. - LAZAROVÁ, M. - KOŠÍKOVÁ, B. - SLAMEŇOVÁ, D. Repair of oxidative DNA lesions in blood lymphocytes isolated from Sprague-Dawley rats; the influence of dietary intake of lignin.. In **Neoplasma**. Vol. 51 no. 6 (2004), p. 451-457. (IF2005: 0.731)

- 27.** LAZAROVÁ, M. - LÁBAJ, J. - SLAMEŇOVÁ, D. - KOVÁČIKOVÁ, Z.  
Diet containing fungal (1-3)-beta-D-glucan derivative exhibits protective effects against DNA lesions induced in freshly isolated rat cells. In **Neoplasma**. Vol. 51 no. 6 (2004), p. 431-435. (IF2005: 0.731)
- 28.** LAZAROVÁ, M. - SLAMEŇOVÁ, D.  
Genotoxic effects of a complex mixture adsorbed onto ambient air particulates on human cells in vitro; the effects of vitamins E and C.. In **Mutation Research - Genetic Toxicology and Environmental Mutagenesis**. Vol. 557 no. (2004), p. 167-175. (IF2005: 2.188)
- 29.** OVESNÁ, Z. - VACHÁLKOVÁ, A. - HORVÁTHOVÁ, K.  
Taxasterol and  $\beta$ -sitosterol: new naturally compounds with chemoprotective/chemopreventive effects. In **Neoplasma**. Vol. 51 no. 6 (2004), p. 407-414. (IF2005: 0.731)
- 30.** OVESNÁ, Z. - VACHÁLKOVÁ, A. - HORVÁTHOVÁ, K. - TÓTHOVÁ, D.  
Pentacyclic triterpenoic acids: new chemoprotective compounds. In **Neoplasma**. Vol. 51 no. 5 (2004), p. 327-333. (IF2005: 0.731)
- 31.** PIRŠEL, M. - CHOVANEC, M. - DUDÁŠ, A. - KLEIBL, K. - VAN HOUTEN, B.  
Fourth DNA repair workshop on DNA damage and repair: mechanisms and biological consequences, Smolenice Castle, 2-5 May 2004. In **DNA Repair**. Vol. 3 no. 12 (2004), p. 1639-1659. (IF2005: 5.016)
- 32.** PÍSKALA, A. - VACHÁLKOVÁ, A. - MASOJÍDKOVÁ, M. - HORVÁTHOVÁ, K. - OVESNÁ, Z. - PAČES, V. - NOVOTNÝ, L.  
Improved synthesis, antibacterial activity and potential carcinogenicity of 5-amino-1,2,4-thiadiazol-3(2H)-one. In **Pharmazie**. Vol. 59 no. 10 (2004), p. 756-762. (IF2005: 0.677)
- 33.** PLEŠKO, I. - OBŠITNÍKOVÁ, A. - CUNINKOVA, M. - TOMÁŠEK, L. - ŠTEFANÁKOVÁ, D. – KUBIK, A.  
Increasing occurrence of urological cancers in Slovakia. In **Neoplasma**. Vol. 51 no. 4 (2004), p. 248-254. (IF2005: 0.731)
- 34.** POLÁKOVÁ, K. - KUBA, D. - RUSS, G.  
The 4H84 monoclonal antibody detecting beta2m free nonclassical HLA-G molecules also binds to free heavy chains of classical HLA class I antigens present on activated lymphocytes.. In **Human Immunology**. Vol. 65 no. 2 (2004), p. 157-162. (IF2005: 2.467)
- 35.** RAMIREZ, J. - HOUZET, L. - KOLLER, R. - BIES, J. - WOLFF, L. - MOUGEL, M.  
Activation of c-myb by 5' retrovirus promoter insertion in myeloid neoplasm is dependent upon an intact alternative splice donor site (SD') in gag.. In **Virology**. Vol. 330 no. 2 (2004), p. 398-407. (IF2005: 3.08)
- 36.** RENUKARADHYA, G. - SIRIAM, . - POLÁKOVÁ, K. - RUSS, G. - BRUTKIEWICZ, R.  
Development of a quantitative cell-based intracellular ELISA for the screening of B cell hybridoma supernatants: a novel rapid assay to detect positive clones.. In **Hybridoma and Hybridomics**. Vol. 23 no. 6 (2004), p. 373-379. (IF2005: 0.404)
- 37.** ROBICOVÁ, S. - SLAMEŇOVÁ, D. - CHALUPA, I. - ŠEBOVÁ, L.  
DNA lesions and cytogenetic changes induced by N-nitrosomorpholine in HepG2, V79 and VH10 cells; the protective effects of vitamins A, C and E. In **Mutation Research - Genetic Toxicology and Environmental Mutagenesis**. Vol. 560 no. (2004), p. 91-99. (IF2005: 2.188)
- 38.** ROBICOVÁ, S. - SLAMEŇOVÁ, D. - GÁBELOVÁ, A. - SEDLÁK, J. - JAKUBÍKOVÁ, J.  
An investigation of the genotoxic effects of N-nitrosomorpholine in mammalian cells. In **Chemico-Biological Interactions**. Vol. 148 no. (2004), p. 163-171. (IF2005: 1.968)
- 39.** SAIKO, P. - HORVATH, Z. - BAUER, W. - HOECHTL, T. - GRUSCH, M. - KRUPITZA, G. - RAUKO, P. - MADER, R. - JAEGER, W. - SCHOTT, H. - NOVOTNÝ, L. - FRITZER-SZEKERES, M. - SZEKERES, T.  
In vitro and in vivo antitumor activity of novel amphiphilic dimers consisting of 5-fluorodeoxyuridine and arabinofuranosylcytosine. In **International Journal of Oncology**. Vol. 25 no. (2004), p. 357-364. (IF2005: 2.681)
- 40.** SANTOS, H. - MEYER, J. - ŠKORVAGA, M. - ANNAB, A. - VAN HOUTEN, B.  
Mitochondrial hTERT exacerbates free-radical-mediated mtDNA damage.. In **Aging Cell**. Vol. 3 no. (2004), p. 399-411. (IF2005: 6.013)
- 41.** SARIMOV, R. - MALMGREN, L. - MARKOVÁ, E. - PERSSON, B. - BELYAEV, I.  
Nonthermal GSM microwaves affect chromatin conformation in human lymphocytes similar to heat shock. In **IEEE Transaction on Plasma Science**. Vol. 32 no. 4 (2004), p. 1600-1608. (IF2005: 1.143)
- 42.** SCHMIDT, M. - BIES, J. - TAMURA, T. - OZATO, K. - WOLFF, L.  
**The interferon regulatory factor ICSBP/IRF-8 in combination with PU.1 up-regulates expression of tumor suppressor p15(Ink4b) in murine myeloid cells.** In **Blood**. Vol. 103 no. 11 (2004), p. 4142-4149. (IF2005: 10.131) – ústav uvedený v podávaní
- 43.** SLAMEŇOVÁ, D. - MAŠTEROVÁ, I. - LÁBAJ, J. - HORVÁTHOVÁ, E. - KUBALA, P. - JAKUBÍKOVÁ, J. - WSÓLOVÁ, L.  
Cytotoxic and DNA-damaging effects of diterpenoid quinones from the roots of Salvia officinalis L on colonic and hepatic human cells cultured in vitro. In **Basic & clinical pharmacology & toxicology**. Vol. 94 no. (2004), p. 282-290. (IF2005: 1.489)

44. STELIAROVA-FOUCHER, E. – STILLER, C. – KAATSCH, P. – BERRINO, F. – COEBERGH, JW. – LACOUR, B. – PARKIN, M. – ACCIS project group (PLESKO, I - member).

Geographical patterns and time trends of cancer incidence and survival among children and adolescents in Europe since the 1970s (the ACCISproject): an epidemiological study. In **Lancet**. Vol. 364, no. 9451 (2004), p. 2097-2105. (IF2005: 23.878) dôvod vylúčenia – Národný onkologický register

45. ŠKORVAGA, M. - DELLAVERCCHIA, M. - CROTEAU, D. - THEIS, K. - TRUGLIO, J. - KISKER, C. - VAN HOUTEN, B. - STATES, J.

Identification of Residues within UvrB That Are Important for Efficient DNA Binding and Damage Processing. In **Journal of Biological Chemistry**. Vol. 279 no. 49 (2004), p. 51574-51580. (IF2005: 5.854)

46. SVEHLIKOVA, V. - WANG, S. - JAKUBÍKOVÁ, J. - WILLIAMSON, G. - MITHEN, R. - BAO, Y.

Interactions between sulforaphane and apigenin in the induction of UGT1A1 and GSTA1 in CaCo-2 cells. In **Carcinogenesis**. Vol. 25 no. 9 (2004), p. 1629-1637. (IF2005: 5.108)

47. TRUGLIO, J. - CROTEAU, D. - ŠKORVAGA, M. - DELLAVERCCHIA, M. - THEIS, K. - MANDAVILLI, B. - VAN HOUTEN, B. - KISKER, C.

Interactions between UvrA and UvrB: the role of UvrB's domain 2 in nucleotide excision repair. In **EMBO Journal**. Vol. 23 no. 13 (2004), p. 2498-2509. (IF2005: 10.053)

48. TYCZYNSKI, J. - BRAY, F. - AARELEID, T. - DALMAS, M. - KURTINAITIS, J. - PLEŠKO, I. - POMPE-KIRN, V. - STENGREVIC, A. - PARKIN, D.

Lung cancer mortality patterns in selected Central, Eastern and Southern European countries. In **International Journal of Cancer**. Vol. 109 no. 4 (2004), p. 598-610. (IF2005: 4.7)

49. TYCZYNSKI, J. - PLEŠKO, I. - AARELEID, T. - PRIMIC-ZAKELJ, M. - DALMAS, M. - KURTINAITIS, J. - STENGREVIC, A. - PARKIN, D.

Breast cancer mortality patterns and time trends in 10 new EU member states: mortality declining in young women, but still increasing in the elderly. In **International Journal of Cancer**. Vol. 112 no. 6 (2004), p. 1056-1064. (IF2005: 4.7)

50. VALOVIČOVÁ, Z. - GÁBELOVÁ, A.

Notes to the application of cytosine arabinoside and hydroxyurea block in the micronucleus assay. In **Neoplasma**. Vol. 51 no. 6 (2004), p. 443-450. (IF2005: 0.731)

51. VLCKOVA, V. - DUHOVA, V. - SVIDOVA, S. - FARKASOVA, A. - KAMASOVA, S. - VLCEK, D. - KOGAN, G. - RAUKO, P. - MIADOKOVA, E.

Antigenotoxic potential of glucomannan on four model test systems. In **Cell biology and toxicology**. Vol. 20 no. (2004), p. 325-332. (IF2005: 1.548)

52. WOLFF, L. - GARIN, M. - KOLLER, R. - BIES, J. - TESSAROLLO, L. - ANVER, R. - POWELL, D. - PERELLA, C.

A novel retrovirus provides the cooperating oncogenic event(s) required to demonstrate the tumor suppressor activity of p15Ink4b in myeloid cells *in vivo*. In **Blood Cells Molecules and Diseases**. Vol. 32 no. 1 (2004), p. 226-231. (IF2005: 2.427) – ústav je uvedený v html verzii publikácie, v pdf verzii nie je

## **RESEARCH OUTPUTS 2005**

### **Monographs published in Slovakia: 2**

1. PLEŠKO, I. - ONDRUŠOVÁ, M. - ŠTEFAŇÁKOVÁ, D. - KUZMA, I. - MADŽOVÁ, J. - POKRIVČÁKOVÁ, M. a kol. *Incidencia zhoubných nádorov v Slovenskej Republike 2002*. Bratislava: Ústav zdravotníckych informácií a štatistiky, 2005. 207 s.
2. PLEŠKO, I. - BARÁKOVA, A. - DUDOVA, M. *Epidemiológia zhoubných nádorov v Slovenskej republike, 1971-2003*. Bratislava: Ústav zdravotníckych informácií a štatistiky a národný onkologický register, 2005. 75 s.

### **Chapters in monographs/books published in Slovakia: 3**

1. PLEŠKO, I. - OBŠITNÍKOVÁ, A. - BELLA, V. Epidemiológia zhoubných nádorov prsníka. In: Bella V. a kolektív. *Karcinóm prsníka*. Banská Bystrica: Advert, 2005. ISBN 80-968297-2-6, s. 5-14.
2. PLEŠKO, I. Epidemiológia zhoubných nádorov. In Bakoss P.: *Epidemiológia*. Bratislava: Univerzita Komenského Bratislava, 2005. ISBN 80-223-1989-9. s. 349-375.
3. ALTANEROVÁ, V. Molekulovo biologické aspekty vzniku feochromocytómu. In Moravec R. a kolektív. *K problematike chorôb nadobličiek. Diagnostika a chirurgická liečba*. Alexandra, 2005. ISBN 80-969203-1-6. p. 73-82.

4. **ALTANER, Č.** Molekulárne príčiny vzniku nádorov prsníka. In: *Bella V. a kolektív. Karcinóm prsníka*. Banská Bystrica: Advert, 2005. 80-968297-2-6, s. 15-20. – menej ako 10 strán
5. **ALTANER, Č.** Hormonálne dependentné neoplázie. 1.6.2. Pohľady molekulárno genetické. In Kreze A., Langer P., Klimeš I., Stárka L., Payer J., Michálek J. *Všeobecná a klinická endokrinológia*. Bratislava: Academic Electronic Press, 2004. ISBN 80888805-80, s. 47-49. – menej ako 10 strán

## CC publications: 31

1. **BABUŠÍKOVÁ, O.** - **ŽELEZNÍKOVÁ, T.** - **MLČÁKOVÁ, A.** - **KUSENDA, J.** - **ŠTEVULOVÁ, L.** The knowledge on the 3-nd type hematogones could contribute to more precise detection of small numbers of precursors B-ALL. In *Neoplasma*. Vol. 52, no. 6 (2005), p. 502-509. (IF2005: 0.731)
2. **BOĎO, J.** - **CHOVANCOVÁ, J.** - **HUNÁKOVÁ, L.** - **SEDLÁK, J.** Enhanced sensitivity of human ovarian carcinoma cell lines A2780 and A2780/CP to the combination of cisplatin and synthetic isothiocyanate ethyl 4-isothiocyanatobutanoate E-4IB. In *Neoplasma*. Vol. 52, no. 6 (2005), p. 510-516. (IF2005: 0.731)
3. BOZSAKYOVÁ, E. - WSÓLOVÁ, L. - **CHALUPA, I.** Spontaneous and gamma-ray-induced sister chromatid exchanges in patients with carcinoma of cervix uteri. In *International Journal of Radiation Biology*. Vol. 81, no. 2 (2005), p. 177-185. (IF2005: 1.923)
4. **DURAJ, J.** - ZAZRIVCOVA, K. - **BODO, J.** - SULIKOVA, M. - **SEDLAK, J.** Flavonoid quercetin, but not apigenin or luteolin, induced apoptosis in human myeloid leukemia cells and their resistant variants. In *Neoplasma*. Vol. 52, no. 4 (2005), p. 273-279. (IF2005: 0.731)
5. **FRECER, V.** - BURELLO, E. - MIERTUŠ, S. Combinatorial design of nonsymmetrical cyclic urea inhibitors of aspartic protease of HIV-1. In *Bioorganic and Medical Chemistry*. Vol. 13, no. 18 (2005), p. 5492-5501. (IF2005: 2.286)
6. **GATTA, G.** - **CAPOCACCIA, R.** - **STILLER, C.** - **KATSCH, P.** - **BERRINO, F.** - **TERENZIANI, M.** - EUROCARE Working group (**PLESKO, I.** – člen). Childhood cancer survival trends in Europe: A EUROCARE Working Group Study. In *Journal of Clinical Oncology*. Vol. 23, no.16 (2005), p. 3742-3751. (IF2005: 11.81) dôvod vylúčenia – Národný onkologický register
7. **HLAVATÝ, J.** - SCHITTMAYER, M. - STRACKE, A. - JANDL, G. - KNAPP, E. - FELBER, B. - GUNZBURG, W. - RENNER, M. Effect of posttranscriptional regulatory elements on transgene expression and virus production in the context of retrovirus vectors. In *Virology*. Vol. 341, no. 1 (2005), p. 1-11. (IF2005: 3.08)
8. **HORVÁTHOVÁ, K.** - **CHALUPA, I.** - **ŠEBOVÁ, L.** - **TÓTHOVÁ, D.** - **VACHÁLKOVÁ, A.** Protective effect of quercetin and luteolin in human melanoma HMB-2 cells. In *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*. Vol. 565, no. 2 (2005), p. 105-112. (2.02-IF2004) (IF2005: 1.934)
9. HU, X. - **BIES, J.** - WOLFF L. Interferon beta increases c-Myc proteolysis in mouse monocyte /macrophage leukemia cells. In *Leukemia Research*. Vol. 29, no. 11 (2005), p. 1307-1314 (IF2005: 2.372)
10. **JAKUBÍKOVÁ, J.** - BAO, Y. - **SEDLÁK, J.** Isothiocyanates induce cell cycle arrest, apoptosis and mitochondrial potential depolarization in HL-60 and multidrug-resistant cell lines. In *Anticancer Research*. Vol. 25, no. 5 (2005), p. 3375-3386. (IF2005: 1.604)
11. **JAKUBÍKOVÁ, J.** - **SEDLÁK, J.** - BACON, J. - GOLDSON, A. - BAO, Y. Effects of MEK1 and PI3K inhibitors on allyl-, benzyl- and phenylethyl-isothiocyanate induced G2/M arrest and cell death in Caco-2 cells. In *International Journal of Oncology*. Vol. 27, no. 5 (2005), p. 1441-1448. (IF2005: 2.681)
12. **JAKUBÍKOVÁ, J.** - **SEDLÁK, J.** - MITHEN, R. - BAO, Y. Role of PI3K/Akt and MEK/ERK signaling pathways in sulforaphane- and erucin-induced phase II enzymes and MRP2 transcription, G2/M arrest and cell death in Caco-2 cells. In *Biochemical Pharmacology*. Vol. 69 no. 11 (2005), p. 1543-1552. (IF2005: 3.617)
13. KANKURI, E. - **CHOLUJOVÁ, D.** - COMAJOVA, M. - VAHERI, A. - **BIZIK, J.** Induction of hepatocyte growth factor/scatter factor by fibroblast clustering directly promotes tumor cell invasiveness. In *Cancer Research*. Vol. 65, no. 21 (2005), p. 9914-9922. (IF2005: 7.616)
14. **KLOBUŠICKÁ, M.** - **KUSENDA, J.** - **BABUŠÍKOVÁ, O.** Myeloid enzymes profile related to the immunophenotypic characteristics of blast cells from patients with AML at diagnosis. In *Neoplasma*. Vol. 52, no. 3 (2005), p. 211-218. (IF2005: 0.731)
15. **KÚDELA, P.** - PAUKNER, S. - MAYR, U. - **CHOLUJOVÁ, D.** - **SCHWARCOVÁ, Z.** - **SEDLÁK, J.** - **BIZIK, J.** - LUBITZ, W. Bacterial ghosts as novel efficient targeting vehicles for DNA delivery to the human monocyte-derived dendritic cells. In *Journal of Immunotherapy*. Vol. 28, no. 2 (2005), p. 136-143. (IF2005: 3.644)
16. KYSELA, B. - **CHOVANEC, M.** - JEGGO, P. Phosphorylation of linker histones by DNA-dependent protein kinase is required for DNA ligase IV-dependent ligation in the presence of histone H1. In *Proceedings of National Academy of Sciences of the United States of America (PNAS)*. Vol. 102, no. 6 (2005), p. 1877-1882. (IF2005: 10.231)
17. **LÁBAJ, J.** - **SLAMEŇOVÁ, D.** - **HRUŠOVSKÁ, L.** - BRUNBORG, G. Analysis of DNA damage induced by pesticide 1,2-dibromo-3-chloropropane (DBCP) in rodent and human germ cells. In *Biologia*. Vol. 60, Suppl. no. 17 (2005), p. 95-98. (IF2005: 0.24)
18. **MARKOVÁ, E.** - HILLERT, L. - MALMGREN, L. - PERSSON, B.R. - BELYAEV, I.Y. Microwaves from GSM Mobile Telephones Affect 53BP1 and gamma-H2AX Foci in Human Lymphocytes from Hypersensitive and Healthy Persons. In *Environ Health Perspect*. Vol. 113, no. 9 (2005), p. 1172 - 1177. (IF2005: 5.342)
19. MEGO, M. - EBRINGER, L. - DRGOŇA, L. - MARDIAK, J. - TRUPL, J. - GREKSÁK, R. - NEMOVÁ, I. - ORAVCOVÁ, E. - **ZAJAC, V.** - KOZA, I. Prevention of febrile neutropenia in cancer patients by probiotic strain Enterococcus faecium M-74. Pilot study phase I. In *Neoplasma*. Vol. 52, no. 2 (2005), p. 159-164. (IF2005: 0.731)

20. MEGO, M. - MAJEK, P. - KONČEKOVÁ, R. - EBRINGER, L. - ČIERNIKOVÁ, S. - RAUKO, P. - KOVÁČ, M. - TRUPL, J. - SLEZÁK, P. - ZAJAC, V. Intramucosal bacteria in colon cancer and their elimination by probiotic strain Enterococcus faecium M-74 with organic selenium. In *Folia Microbiologica*. Vol. 50, no. 5 (2005), p. 1-5. (IF2005: 0.918)
21. NAKANO, T. - KATAFUCHI, A. - SHIMIZU, R. - TERATO, H. - SUZUKI, T. - TAUCHI, H. - MAKINO, K. - ŠKORVAGA, M. - VAN HOUTEN, B. - IDE, H. Repair activity of base and nucleotide excision repair enzymes for guanine lesions induced by nitrosative stress. In *Nucleic Acids Research*. Vol. 33, no. 7 (2005), p. 2181-2191. (IF2005: 7.552) dôvod vylúčenia – nie je uvedený ústav
22. OVESNÁ, Z. - HORVÁTHOVÁ-KOZICS, K. Structure-activity relationship of trans-resveratrol and its analogues. In *Neoplasma*. Vol. 52, no. 6 (2005), p. 450-455. (IF2005: 1.934)
23. PASTORÁKOVÁ, A. - HLUBINOVÁ, K. - BOĎO, J. - LIBBY, J. - RYCHLÝ, B. - MARGISON, G. - ALTANER, Č. Tumor targeted gene therapy with plasmid expressing human tumor necrosis factor alpha in vitro and in vivo. In *Neoplasma*. Vol. 52, no. 4 (2005), p. 344-351. (IF2005: 0.731)
24. KOŠŤANOVÁ - POLIAKOVÁ, D. - ŠABOVÁ, I. Anti-apoptotic proteins-targets for chemosensitization of tumor cells and cancer treatment. In *Neoplasma*. Vol. 52, no. 6 (2005), p. 441-449. (IF2005: 0.731)
25. KOŠŤANOVÁ - POLIAKOVÁ, D. - ŠABOVÁ, I. Lactate utilization in mitochondria prevents Bax cytotoxicity in yeast Kluyveromyces lactis. In *FEBS Letters*. Vol., 579 no. 23 (2005), p. 5152-5156. (IF2005: 3.415)
26. POTURNAJOVÁ, M. - ALTANEROVÁ, V. - KOSTALOVA, L. - BREZA, J. - ALTANER, Č. Novel germline mutation in the transmembrane region of *RET* gene close to CYS634Ser mutation associated with MEN 2A syndrome. In *Journal of Molecular Medicine*. Vol. 83, no. 4 (2005), p. 287-295. (IF2005: 4.702)
27. QUAGLIA, A. - VERCELLI, M. - LILLINI, R. - MUGNO, E. - COEBERGH, J.W. - QUINN, M. - MARTINEZ-GARCIA, C. - CAPOCACCIA, R. - MICHELI, A. - ELDCARE Working Group (PLESKO, I. - člen). Socio-economic factors and health care system characteristics related to cancer survival in the elderly. A population –based analysis in 16 European countries. In *Critical Reviews in Oncology/Hematology*. 54, 2005, 117-128. (IF2005: 2.962)
28. SARIMOV, R. - MARKOVÁ, E. - JOHANSSON, F. - JENSSEN, D. - BELYAEV, I. Exposure to ELF magnetic field tuned to Zn inhibits growth of cancer cells. *Bioelectromagnetics*. Vol. 26, no. 8 (2005) p. 631 - 638. (IF2005: 2.193)
29. ŠOLTÝSOVÁ, A. - ALTANEROVÁ, V. - ALTANER, Č. Cancer stem cells. In *Neoplasma*. Vol. 52, no. (2005), p. 435 - 440. (IF2005: 0.731)
30. TORUDD, J. - PROTOPOPOVA, M. - SARIMOV, R. - NYGREN, J. - ERIKSSON, S. - MARKOVÁ, E. - CHOVANEC, M. - SELIVANOVA, G. - BELYAEV, I. Dose-response for radiation-induced apoptosis, residual 53BP1 foci and DNA-loop relaxation in human lymphocytes. In *International Journal of Radiation Biology*. Vol. 81, no. 2 (2005), p.125-138. (IF2005: 1.923)
31. TREBATICKÁ, M. - SVIDOVÁ, S. - GROLMUS, J. - RAUKO, P. - KOGAN, G. - MIADOKOVÁ, E. Sulphoethyl glucan – a biological active polysaccharide. In *Biologia*. Vol. 60/Suppl. no. 17 (2005), p. 121-123. (IF2005: 0.24)
32. TRUGLIO, J. - RHAU, B. - CROTEAU, D. - WANG, L. - ŠKORVAGA, M. - KARAKAS, E. - DELLAVERCCHIA, M. - WANG, H. - VAN HOUTEN, B. - KISKER, C. Structural insights into the first incision reaction during nucleotide excision repair. In *EMBO Journal*. Vol. 24, no. 5 (2005), p. 885-894. (IF2005: 10.053)
33. ŽELEZNÍKOVÁ, T. - BABUŠÍKOVÁ, O. The value of dot plot patterns and leukemia-associated phenotypes in AML diagnosis by multiparameter flow cytometry. In *Neoplasma*. Vol. 52, no. 6 (2005), p. 517-522. (IF2005: 0.731)

## ***RESEARCH OUTPUTS 2006***

### **Chapters in monographs/books published in Slovakia: 1**

1. POTURNAJOVÁ, M. - ALTANEROVÁ, V. Molekulárno-biologické aspekty vzniku mnohopočetnej endokrinnnej neoplázie typ 2. Rudolf Moravec a kolektív: *K problematike chorôb štítnej žľazy*. Vydavateľstvo Marko Ľubomír, 2006. ISBN 80-969542-2-9, str. 83-94.

### **Chapters in monographs/books published abroad: 1**

1. GÁBELOVÁ, A. - VALOVIČOVÁ, Z. - BINKOVÁ, B. - ŠRÁM, R. - SINGH, R. - KAUR, B. - KALINA, I. - POPOV, T.A. - FARMER, P.B. Genotoxic activity of ambient air pollution in three European cities: Prague, Košice and Sofia; an 'in vitro' study. Donnelly, K.C., Cizmas, Leslie H: *Environmental Health in Central and Eastern Europe*. Vydavateľstvo Springer Netherlands, 2006. ISBN 978-1-4020-48, str. 1-7. – menej ako 10 strán
2. ONDRUŠOVÁ, M. – ADAMCIKOVA, J. Klinická epidemiológia karcinomu prsníka. In: Abrahámová, J.(ed.): Vybrané otázky onkológie X Praha, Galén, s.78-80. – menej ako 10 strán
3. CHOVANEC, M. – KYSELA, B. – DUDÁŠOVÁ, Z. – DOHERTY, A. J. DNA non-homologous end-joining in unicellular organisms. In *New Developments in Mutation Research*, Valon C.L. (editor), Nova Science Publishers, Inc., Hauppauge, N.Y., 2006. ISBN 1-59454-664-9, p.1-40.
4. KOŠÍKOVÁ, B. - LÁBAJ, J. - SLAMEŇOVÁ, D. - SLÁVIKOVÁ, E. - GREGOROVÁ, A. Novel environmentally friendly use of lignin biomass component. In *Biomass and Bioenergy: New Research*, Brener M.D. (editor), Nova Science

Publishers, Inc., Hauppauge, N.Y., 2006. ISBN 1-59454-865-X, p.169-200. – publikácia, nie kapitola

## CC publications: 55

1. BARANČÍK, M. - BOHACOVA, V. - SEDLÁK, J. - SULOVA, Z. - BREIER, A. LY294,002, a specific inhibitor of PI3K/Akt kinase pathway, antagonizes P-glycoprotein-mediated multidrug resistance. In *European journal of pharmaceutical sciences*. Vol. 29, no. 5 (2006), p. 426-434. (2.347-IF2005)
2. BOĎO, J. - HUNÁKOVÁ, L. - KVASNÍČKA, P. - JAKUBÍKOVÁ, J. - DURAJ, J. - KASPARKOVA, J. - SEDLÁK, J. Sensitisation for cisplatin-induced apoptosis by isothiocyanate E-4IB leads to signalling pathways alterations.. In *British journal of cancer*. Vol. 96, no. 10 (2006), p. 1348-1353. (4.115-IF2005)
3. BOĎO, J. - JAKUBÍKOVÁ, J. - CHALUPA, I. - BARTOŠOVÁ, Z. - HORÁKOVÁ, K. - FLOCH, L. - SEDLÁK, J. Apoptotic effect of ethyl-4-isothiocyanatobutanoate is associated with DNA damage, proteasomal activity and induction of p53 and p21cip1/waf1. In *Apoptosis*. Vol. 11, no. 8 (2006), p. 1299-1310. (4.497-IF2005)
4. BRAY, F. - RICHIARDI, L. - EKBOM, A. - FORMAN, D. - PUKKALA, E. - CUNINKOVA, M. - MOLLER, H. Do testicular seminoma and nonseminoma share the same etiology? Evidence from and age-period-cohort analysis of incidence trends in eight European countries. In *Cancer Epidemiology Biomarkers & Prevention*. Vol. 15, no 4 (2006), p.652-658. (4.460-IF2005)
5. BRAY, F. - RICHIARDI, L. - EKBOM, A. - PUKKALA, E. - CUNINKOVA, M. - MOLLER, H. Trends in testicular cancer incidence and mortality in 22 European countries: Continuing increases in incidence and declines in mortality. In *International Journal of Cancer*. Vol. 118, no 12 (2006), p. 3099-3111. (4.700-IF2005)
6. ČIERNIKOVÁ, S. - TOMKA, M. - KOVÁČ, M. - ŠTEVURKOVÁ, V. - ZAJAC, V. Ashkenazi founder BRCA1/BRCA2 mutations in Slovak hereditary breast and/or ovarian cancer families. In *Neoplasma*. Vol. 53, no. 2 (2006), p. 97-102. (0.731-IF2005)
7. ČIPÁK, L. - GRAUSOVA, L. - MIADOKOVÁ, E. - NOVOTNÝ, L. - RAUKO, P. Dual activity of triterpenoids: apoptotic vs. antidiifferentiation effects. In *Archives of toxicology*. Vol. 80, no. 7 (2006), p. 429-435. (1.663-IF2005)
8. COJOCEL, C. - NOVOTNY, L. - VACHALKOVA, A. Mutagenic and carcinogenic potential of menadione. In *Neoplasma*. Vol. 53, no 4 (2006) p. 316-23. (0.731-IF2005)
9. DURAJ, J. - BOĎO, J. - ŠULÍKOVÁ, M. - RAUKO, P. - SEDLÁK, J. Diverse resveratrol sensitization to apoptosis induced by anticancer drugs in sensitive and resistant leukemia cells. In *Neoplasma*. Vol. 53, no. 5 (2006), p. 384-392. (0.731-IF2005)
10. FRECER, V. QSAR analysis of antimicrobial and haemolytic effects of cyclic cationic antimicrobial peptides derived from Protegrin-1. In *Bioorganic and Medical Chemistry*. Vol. 14, no. 17 (2006), p. 6065-6074. (2.286-IF2005)
11. HALL, H. - GURSKÝ, J. - NICODEMOU, A. - RYBANSKÁ, I. - KIMLÍČKOVÁ, E. - PIRŠEL, M. Characterization of ERCC3 mutations in the Chinese hamster ovary 27-1, UV24 and MMC-2 cell lines. In *Mutation Research*. Vol. 593 no. 1-2 (2006), p. 177-186. (3.34-IF2005)
12. HORVÁTHOVÁ, E. - LAZAROVÁ, M. - LÁBAJ, J. - SLAMEŇOVÁ, D. Study of cytotoxic, genotoxic and DNA-protective effects of selected plant essential oils on human cells cultured in vitro. In *Neuro endocrinology letters*. Vol. 27, Supplement 2 (2006), p. 101-104. (1.005-IF2005)
13. IHNATKO, R. - KUBEŠ, M. - TAKACOVA, M. - SEDLÁKOVÁ, O. - SEDLÁK, J. - PASTOREK, J. - KOPÁČEK, J. - PASTOREKOVÁ, S. Extracellular acidosis elevates carbonic anhydrase IX in human glioblastoma cells via transcriptional modulation that does not depend on hypoxia. In *International journal of oncology*. Vol. 29, no. 4 (2006), p. 1025-1033. (2.681-IF2005)
14. JAKUBÍKOVÁ, J. - BAO, Y. - BOĎO, J. - SEDLÁK, J. Isothiocyanate iberin modulates phase II enzymes, posttranslational modification of histones and inhibits growth of Caco-2 cells by inducing apoptosis. In *Neoplasma*. Vol. 53, no. 6 (2006), p. 463-470. (0.731-IF2005)
15. JAKUBÍKOVÁ, J. - SEDLÁK, J. - BOĎO, J. - BAO, Y. Effect of isothiocyanates on nuclear accumulation of NF- $\kappa$ B, Nrf2 and thioredoxin in Caco-2 cells. In *Journal of agricultural and food chemistry*. Vol. 54, no. 5 (2006), p. 1656-1662. (2.507-IF2005)
16. JAKUBÍKOVÁ, J. - SEDLÁK, J. Garlic-derived organosulfides induce cytotoxicity, apoptosis, cell cycle arrest and oxidative stress in human colon carcinoma cell lines. In *Neoplasma*. Vol. 53, no. 3 (2006), p. 191-199. (0.731-IF2005)
17. JANJIC, B. - ANDRADE, P. - WANG, XF. - FOURCADE, J. - ALMUNIA, C. - KUDELA, P. - BRUFSKY, A. - JACOBS, S. - FRIEDLAND, D. - STOLLER, R. - GILLET, D. - HERBERMAN, RB. - KIRKWOOD, JM. - MAILLERE, B. - ZAROUR, HM. Spontaneous CD4+ T cell responses against TRAG-3 in patients with melanoma and breast cancers. In *Journal of Immunology*. Vol. 177, no. 4 (2006), p. 2717-27. (6.387-IF2005)
18. JANTOVÁ, S. - LETAŠIOVÁ, S. - BREZOVÁ, V. - ČIPÁK, L. - LÁBAJ, J. Photochemical and phototoxic activity of berberine on murine fibroblast NIH-3T3 and ehrlich ascites carcinoma cells. In *Journal of photochemistry and photobiology B: Biology*. Vol. 85, no. 3 (2006), p. 163-176. (1.597-IF2005)
19. JIANG, G. - ŠKORVAGA, M. - CROTEAU, D. - VAN HOUTEN, B. - STATES, J. Robust Incision of Benzo[a]pyrene-7,8-dihydrodiol-9,10-epoxide-DNA Adducts by a Recombinant Thermoresistant Interspecies Combination UvrABC Endonuclease System. In *Biochemistry*. Vol. 45, no. 25 (2006), p. 7834-7843. (3.848-IF2005)
20. KAZMIROVA, M. - DOVINOVÁ, I. - ROLNIKOVA, T. - TOTHOVA, L. - HUNÁKOVÁ, L. Anti-proliferative activity and apoptotic effect of tick salivary gland. In *Neuro endocrinology letters*. Vol. 27 no. (2006), p. 48-52. (1.005-IF2005)
21. KIRSCHNEROVA, G. - TÓTHOVÁ, A. - BABUŠÍKOVÁ, O. Amplification of AML 1 gene in association with karyotype, age and diagnosis in acute leukemia patients. In *Neoplasma*. Vol. 53, no. 2 (2006), p. 150-154. (0.731-IF2005)
22. KOŠÍKOVÁ, B. - LÁBAJ, J. - SLAMEŇOVÁ, D. - SLÁVIKOVÁ, E. Novel environmentally friendly use of lignin biomass component. In *Biomass and bioenergy*. Supplement no. 1-59454-865-X (2006), p. 169-200. (1.311-IF2005) – nie je k dispozícii reprint práce

23. KOŠÍKOVÁ, B. - SLÁVIKOVÁ, E. - LÁBAJ, J. - SLAMEŇOVÁ, D. Biological conversion of lignin waste products from chemical wood treatment into anticarcinogenic preparations. In *Wood research - Slovakia*. Vol. 51, no. 2 (2006), p. 41-48. (0.125-IF2005)
24. KOVÁČ, M. - TOMKA, M. - ČIERNIKOVÁ, S. - ŠTEVURKOVÁ, V. - VALACHOVÁ, A. - ZAJAC, V. Multiple gynecologic tumors as rare associated phenotypes of FAP/Gardner syndrome in a family with the novel germline mutation in the APC gene. In *Clinical Genetics*. Vol. 69 (2006), p. 183-186. (3.276-IF2005)
25. KOZICS, K. - KRAJČOVIČOVÁ, Z. - VACHÁLKOVÁ, A. Electrochemical behavior and determination of tumor inhibiting or promoting activities of flavonoids. In *Neoplasma*. Vol. 53, no. 4 (2006), p. 337-342. (0.731-IF2005)
26. KUBOVČÁKOVÁ, L. - MIČUTKOVÁ, L. - BARTOŠOVÁ, Z. - SABBAN, E. - KRIŽANOVÁ, O. - KVETŇANSKÝ, R. Identification of phenylethanolamine N-methyltransferase gene expression in stellate ganglia and its modulation by stress. In *Journal of neurochemistry*. Vol. 97, no. 5 (2006), p. 1419-1430. (4.604-IF2005)
27. LAZAROVÁ, M. - LÁBAJ, J. - ECKL, P. - KOGAN, G. - SLAMEŇOVÁ, D. Effects of dietary intake of a fungal beta-D-glucan derivative on the level of DNA damage induced in primary rat hepatocytes by various carcinogens. In *Nutrition and cancer - an international journal*. Vol. 56, no. 1 (2006), p. 113-122. (2.426-IF2005)
28. LAZAROVÁ, M. - LÁBAJ, J. - ECKL, P. - SLAMEŇOVÁ, D. Comparative evaluation of DNA damage by genotoxins in primary rat cells applying the comet assay. In *Toxicology letters*. Vol. 164, no. 1 (2006), p. 54-62. (2.43-IF2005)
29. LAZAROVÁ, M. - LÁBAJ, J. - KOGAN, G. - SLAMEŇOVÁ, D. Carboxymethyl chitin-glucan enriched diet exhibits protective effects against oxidative DNA damage induced in freshly isolated rat cells. In *Neoplasma*. Vol. 53, no. 5 (2006), p. 434-439. (0.731-IF2005)
30. LETASIOVA, S. - JANTOVÁ, S. - ČIPÁK, L. - MUCKOVA, M. Berberine - antiproliferative activity in vitro and induction of apoptosis/necrosis of the U937 and B16 cells. In *Cancer letters*. Vol. 239, no. 2 (2006), p. 254-262. (3.049-IF2005)
31. LETAVAYOVÁ, L. - MARKOVÁ, E. - HERMANSKÁ, K. - VLČKOVÁ, V. - VLASÁKOVÁ, D. - CHOVANEC, M. - BROZMANOVÁ, J. Relative contribution of homologous recombination and non-homologous end-joining to DNA double-strand break repair after oxidative stress in *Saccharomyces cerevisiae*. In *DNA repair*. Vol. 5, no. 5 (2006), p. 602-610. (5.016-IF2005)
32. LETAVAYOVÁ, L. - VLČKOVÁ, V. - BROZMANOVÁ, J. Selenium: from cancer prevention to DNA damage. In *Toxicology*. Vol. 227, no. 1-2 (2006), p. 1-14. (2.584-IF2005)
33. MEGO, M. - KONČEKOVÁ, R. - MIKUŠKOVÁ, E. - EBRINGER, L. - DEMITROVIČOVÁ, L. - NEMOVÁ, I. - DRGOŇA, L. - TRUPL, J. - MARDIAK, J. - KOZA, I. - ZAJAC, V. Prevention of febrile neutropenia in leukemic patients by probiotic strain *Enterococcus faecium* M-74. Phase II.study. In *Supportive Care in Cancer*. Vol. 14 no. (2006), p. 285-290. (1.59-IF2006)
34. MIADOKOVÁ, E. - NAĐOVÁ, S. - TREBATICKÁ, M. - GROLMUS, J. - KOPÁSKOVÁ, M. - RAUKO, P. - MUČAJI, P. - GRANČAI, D. Research on biomodulatory effect of natural compounds. In *Neuroendocrinology Letters*. Vol. 27 (2006), p. 53-56. (1.005-IF2005)
35. MIADOKOVÁ, E. - SVIDOVÁ, S. - VLČKOVÁ, V. - DÚHOVÁ, V. - NAĐOVÁ, S. - RAUKO, P. - KOGAN, G. Diverse biomodulatory effects of glucomannan from *Candida utilis*. In *Toxicology in vitro*. Vol. 20 (2006), p. 649-657. (1.754-IF2005)
36. MIERTUS, J. - BOROZDIN, W. - LIEBERS, M. - FRECER, V. - AMOROSO, A. - MIERTUŠ, S. - KOHLHASE, J. A SALL4 zinc finger missense mutation predicted to result in increased DNA binding affinity is associated with a combination of Duane anomaly, cranial midline defects, growth retardation and radical defects. In *Human Genetics*. Vol. 119, no. 1-2 (2006), p. 154-161. (4.331-IF2005)
37. MRAVEC, B. - GIDRON, Y. - KUKANOVA, B. - BIZIK, J. - KISS, A. - HULIN, I. Neural-endocrine-immune complex in the central modulation of tumorigenesis: facts, assumptions, and hypotheses. In *Journal of Neuroimmunology*. Vol. 18, no. 1-2 (2006) p. 104-116. (2.824-IF2005)
38. NOVOTNY, L. - PHILLIPS, O. - RAUKO, P. - MIADOKOVA, E. Antileukemic activity of sulfonamide conjugates of arabinosylcytosine. In *Experimental oncology*. Vol. 28, no. 4 (2006). (0.752-IF2005)
39. NOVOTNÝ, L. - RAUKO, P. - LIŠKA, J. - ELFORD, L. - SZEKERES, T. Potentiation of the activity of cisplatin and cyclophosphamide by trimodox, a novel ribonucleotide reductase inhibitor, in leukemia-bearing mice. In *Cancer letters*. Vol. 233 (2006), p. 178-184. (3.049-IF2005)
40. OVESNÁ, Z. - KOZICS, K. - BADER, Y. - SAIKO, P. - HANDLER, N. - ERKER, T. - SZEKERES, T. Antioxidant activity of resveratrol, piceatannol and 3,3',4,4',5,5'-hexahydroxy-trans-stilbene in three leukemia cell lines. In *Oncology reports*. Vol. 16, no. 3 (2006), p. 617-624. (1.572-IF2005)
41. OVESNÁ, Z. - KOZICS, K. - SLAMEŇOVÁ, D. Protective effects of ursolic acid and oleanolic acid in leukemic cells. In *Mutation research-Fundamental and molecular mechanisms of mutagenesis*. Vol. 600, no. 1-2 (2006), p. 131-137. (3.34-IF2005)
42. PASTORÁKOVÁ, A. - HLUBINOVÁ, K. - ALTANER, Č. Treatment of human tumor cells by combine gene therapy harnessing plasmids expressing human tumor necrosis factor alpha and bacterial cytosine deaminase suicide gene. In *Neoplasma*. Vol. 53, no. 6 (2006), p. 478-484. (0.731-IF2005)
43. PASTORÁKOVÁ, A. - HLUBINOVÁ, K. - JAKUBÍKOVÁ, J. - ALTANER, Č. Combine cancer gene therapy harnessing plasmids expressing human tumor necrosis factor alpha and Herpes simplex thymidine kinase suicide gene. In *Neoplasma*. Vol. 53, no. 5 (2006), p. 353-362. (0.731-IF2005)
44. POLÁKOVÁ, K. - BANDZUCHOVÁ, E. - BYSTRICKÁ, M. - PANČUCHÁROVÁ, H. - RUSS, G. Effect of proteasome inhibitors on expression of HLA-G isoforms. In *Neoplasma*. Vol. 53, no. 6 (2006), p. 471-477. (0.731-IF2005)
45. SIREN, V. - SALMENPERA, P. - KANKURI, E. - BIZIK, J. - SORSA, T. - TERVAHARTIALA, T. - VAHERI, A. Cell-cell contact activation of fibroblasts increases the expression of matrix metalloproteinases. In *Annals of Medicine*. Vol. 28 (2006), p. 1-9. (3.848-IF2005)
46. SLAMENOVA, D. - HORVATHOVA, E. - BARTKOVA, M. - KRAJCOVICOVA, Z. - LABAJ, J. - KOSIKOVA, B. - MASTEROVA, I. Reduction of DNA-damaging effects of anti-HIV drug 3'-azido-3'-dideoxythymidine on human cells by ursolic acid and lignin biopolymer. In *Neoplasma*. Vol. 53, no. 6 (2006), p. 485-491. (0.731-IF2005)
47. SLAMEŇOVÁ, D. - HORVÁTHOVÁ, E. - BARTKOVÁ, M. Nature of DNA lesions induced in human hepatoma cells, human colonic cells and human embryonic lung fibroblasts by the antiretroviral drug 3'-azido-3'-deoxythymidine. In *Mutation research-Fundamental and molecular mechanisms of mutagenesis*. Vol. 593, no. 1-2 (2006), p. 97-107. (3.34-IF2005)

48. ŠRAMKO, M. - MARKUS, J. - KABÁT, J. - WOLFF, L. - BIES, J. Stress-induced inactivation of the c-Myb transcription factor through conjugation of SUMO-2/3 proteins. In *Journal of biological chemistry*. Vol. 1, no. 1 (2006), p. 1-1. (5.854-IF2005)
49. STELIAROVA-FOUCHER, E. - STILLER, CA. - PUKKALA, E. - LACOUR, B. - PLESKO, I. - PARKIN, DM. Thyroid cancer incidence and survival among European children and adolescents (1978-1997): report from the Automated Childhood Cancer Information System project. In *European Journal of Cancer*. Vol. 42, no. 13 (2006), p. 2150-2169. (3.706-IF2005)
50. VLČKOVÁ, V. - NAĎOVÁ, S. - DÚHOVÁ, V. - ZÁVODNÁ, K. - MORÁŇOVÁ, Z. - RAUKO, P. - KOGAN, G. - MIADOKOVÁ, E. Natural microbial polysaccharide sulphoethyl glucan as antigenotoxic and cancer preventing agent. In *Neoplasma*. Vol. 53, no. 6 (2006), p. 524-529. (0.731-IF2005)
51. VONDRAČEK, J. - ŠVIHÁLKOVÁ-ŠINDLEROVÁ, L. - PĚNCÍKOVÁ, K. - KRČMÁŘ, P. - ANDRYSÍK, Z. - CHRAMOSTOVÁ, K. - MARVANOVÁ, S. - VALOVIČOVÁ, Z. - KOZUBÍK, A. - GÁBELOVÁ, A. - MACHALA, M. 7H-Dibenzo[c,g]carbazole and 5,9-dimethyldibenzo[c,g]carbazole exert multiple toxic events contributing to tumor promotion in rat liver epithelial 'stem-like' cells. In *Mutation research-Fundamental and molecular mechanisms of mutagenesis*. Vol. 593 (2006), p. 43-56. (3.34-IF2005)
52. WALSH, T. - CASADEI, S. - COATS, K. - SWISHER, E. - STRAY, S. - HIGGINS, J. - ROACH, K. - MANDELL, J. - LEE, M. - ČIERNIKOVÁ, S. - FORETOVA, L. - SOUCEK, P. - KING, M. Spectrum of mutations in BRCA1, BRCA2, CHEK2, and TP53 in families at high risk of breast cancer. In *JAMA - Journal of American Medical Association*. Vol. 295, no. 12 (2006), p. 1379-1388. (23.494-IF2005)
53. WANG, H. - DELLAVECCHIA, M. - ŠKORVAGA, M. - CROTEAU, D. - ERIE, D. - VAN HOUTEN, B. UvrB domain 4, an autoinhibitory gate for regulation of DNA binding and ATPase activity. In *Journal of biological chemistry*. Vol. 281 (2006), p. 15227-15237. (5.854-IF2005)
54. ZAJAC, V. - MEGO, M. - KOVÁČ, M. - ŠTEVURKOVÁ, V. - ČIERNIKOVÁ, S. - UJHÁZY, E. - GAJDOSÍK, A. - GAJDOSÍKOVÁ, A. Testing of bacteria isolated from HIV/AIDS patients in experimental models. In *Neuro endocrinology letters*. Vol. 27, no. 2 (2006), p. 101-104. (1.005-IF2005)
55. ZÁVODNÁ, K. - BUJALKOVÁ, M. - KRIVULČÍK, T. - ALEMAYEHU, A. - ŠKORVAGA, M. - MARRA, G. - FRIDRICHOVÁ, I. - JIRICNY, J. - BARTOŠOVÁ, Z. Novel and recurrent germline alterations in the MLH1 and MSH2 genes identified in hereditary nonpolyposis colorectal cancer patients in Slovakia. In *Neoplasma*. Vol. 53 (2006), p. 269-276. (0.731-IF2005)
56. ŽELEZNÍKOVÁ, T. - BABUŠÍKOVÁ, O. The impact of cell heterogeneity and immunotypic changes on monitoring minimal residual disease in acute myeloid leukemia. In *Neoplasma*. Vol. 53, no. 6 (2006), p. 500-506. (0.731-IF2005)