



STÁTNÍ ZDRAVOTNÍ ÚSTAV

Publikační činnost střediska CTZB

- VIKTOROVÁ, J., DOBIASOVÁ, S., ŘEHOŘOVÁ, K., BIEDERMANN, D., KÁŇOVÁ, K., ŠEBOROVÁ, K., VÁCLAVÍKOVÁ, R., VALENTOVÁ, K., RUML, T., KŘEN, V., MACEK, T. Antioxidant, anti-inflammatory, and multidrug resistance modulation activity of silychristin derivatives. *Antioxidants*. 2019, **8**(8), Art.no. 303. ISSN 2076-3921.

IF 5,014

- PUKLOVÁ, V., JANOŠ, T., SOCHOROVÁ, L., VAVROUŠ, A., VRBÍK, K., FIALOVÁ, A., HANZLÍKOVÁ, I., ČERNÁ, M. Exposure to mixed phthalates in Czech preschool and school children. *Archives of Environmental Contamination and Toxicology*. 2019, **77**(4), 471-479. ISSN 0090-4341.

IF 2,4

- VAVROUŠ, A., ŠEVČÍK, V., DVOŘÁKOVÁ, M., ČABALA, R., MOULISOVÁ, A., VRBÍK, K. Easy and inexpensive method for multiclass analysis of 41 food contact related contaminants in fatty food by liquid chromatography-tandem mass spectrometry. *Journal of Agricultural and Food Chemistry*. 2019, **67**(39), 10968-10976. ISSN 0021-8561.

IF 4,192

- KEJLOVÁ, K., DVOŘÁKOVÁ, M., VAVROUŠ, A., ŠEVČÍK, V., KANĎÁROVÁ, H., LETAŠIOVÁ, S., SOSNOVCOVÁ, J., JÍROVÁ, D. Toxicity of food contact paper evaluated by combined biological and chemical methods. *Toxicology in Vitro*. 2019, **59**, 26-34. ISSN 0887-2333.

IF 2,959

- VACLAVIKOVA, R., KLAJIC, J., BRYNYCHOVA, V., ELSNEROVA, K., ALNAES, G.I.G., TOST, J., KRISTENSEN, V.N., ROB, L., KODET, R., SKAPA, P., MRHALOVA, M., SOUCEK, P. Development of high-resolution melting analysis for ABCB1 promoter methylation: clinical consequences in breast and ovarian carcinoma. *Oncology Reports*. 2019, **42**(2), 763-774. ISSN 1021-335X.

IF 3,417

- SEBOROVA, K., VACLAVIKOVA, R., SOUCEK, P., ELSNEROVA, K., BARTAKOVA, A., CERNAJ, P., BOUDA, J., ROB, L., HRUDA, M., DVORAK, P. Association of ABC gene profiles with time to progression and resistance in ovarian cancer revealed by bioinformatics analyses. *Cancer Medicine*. 2019, **8**(2), 606-616. ISSN 2045-7634.

IF 3,491



- CHAO, T.C., PAN, W.C., TSAI, Y.F., CHOU, Y.C., LIU, Y.R., WANG, S.F., CHEN, Y.J., SOUČEK, P., UENG, Y.F. Plasma endoxifen and 4-hydroxytamoxifen levels in CYP2D6(C100T) carrying breast cancer patients and association with serum cholesterol. *Toxicology and Applied Pharmacology*. 2019, **378**, UNSP 114619. ISSN 0041-008X.

IF 3,347

- DVORAK, P., LEUPEN, S., SOUCEK, P. Functionally significant features in the 5' untranslated region of the ABCA1 gene and their comparison in vertebrates. *Cells*. 2019, **8**(6), Art.no. 623. ISSN 2073-4409.

IF 4,366

- HANOUSKOVÁ, B., SKÁLA, M., BRYNYCHOVÁ, VERONIKA, ZÁRYBNICKÝ, T., SKARKOVÁ, V., KAZIMÍROVÁ, P., VERNEROVÁ, A., SOUČEK, P., SKÁLOVÁ, L., PUDIL, R., MATOUŠKOVÁ, P. Imatinib-induced changes in the expression profile of microRNA in the plasma and heart of mice-A comparison with doxorubicin. *Biomedicine & Pharmacotherapy*. 2019, **115**, Art.no. 108883. ISSN 0753-3322.

IF 4,545

- OLIVERIUS, M., FLASAROVA, D., MOHELNIKOVA-DUCHONOVA, B., EHRLICOVA, M., HLAVAC, V., KOCIK, M., STROUHAL, O., DVORAK, P., OJIMA, I., SOUCEK, P. KRAS pathway expression changes in pancreatic cancer models by conventional and experimental taxanes. *Mutagenesis*. 2019, **34**(5-6), 403-411. ISSN 0267-8357.

IF 3,379

- ČÍŽKOVÁ, M., MEZRICKY, D., RUCKI, M., TÓTH, T.M., NÁHLÍK, V., LANTA, V., BIŠOVÁ, K., ZACHLEDER, V., VÍTOVÁ, M. Bio-mining of lanthanides from red mud by green microalgae. *Molecules*. 2019, **24**(7), Art.no. 1356. ISSN 1420-3049.

IF 3,267

- KLOUDOVA-SPALENKOVA A., UENG J.F., WEI S., KOPECKOVA K., GUENGERICH F.P., SOUCEK P. Plasma oxysterol levels in luminal subtype breast cancer patients are associated with clinical data. *J Steroid Biochem Mol Biol.* 2020, **197**, 105566. ISSN: 0960-0760.

IF 3,813

- VYMETALKOVA V., ROSA F., SUSOVA S., BENDOVA P., LEVY M., BUCHLER T., KRAL J., BARTU L., VODICKOVA L., HUGHES D.J., SOUCEK P., NACCARATI A., KUMAR R., VODICKA P., PARDINI B. Expression quantitative trait loci in ABC transporters are associated with survival in 5-FU treated colorectal cancer patients. *Mutagenesis*. 2020, **35**(3), 273-281. ISSN 0267-8357.



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IF 3,379

- CHAO T.C., PAN W.C., TSAI Y.F., CHOU Y.C., LIU Y.R., WANG S.F., CHEN Y.J., SOUCEK P., UENG Y.F. Corrigendum to "Plasma endoxifen and 4-hydroxytamoxifen levels in CYP2D6(C100T) carrying breast cancer patients and association with serum cholesterol". *Toxicol Appl Pharmacol* 2019, **380**,114701. ISSN: 0041-008X.

IF 3,347

- HLAVAC V., HOLY P., SOUCEK P. Pharmacogenomics to Predict Tumor Therapy Response: A Focus on ATP-Binding Cassette Transporters and Cytochromes P450 *J Pers Med.* 2020, **10(3)**, E108. ISSN 2075-4426.

IF 4,433

- HLAVAC V., HOLY P., SOUCEK P. Pharmacogenomics to Predict Tumor Therapy Response: A Focus on ATP-Binding Cassette Transporters and Cytochromes P450 *J Pers Med.* 2020, **10(3)**, E108. ISSN 2075-4426.

IF 4,433

- ANDREI L., KASAS S., OCHOA GARRIDO I., STANKOVIC T., SUAREZ KORNES M., VACLAVIKOVA R., ASSAF Y.G., PESIC M. Advanced technological tools to study multidrug resistance in cancer. *Drug Resist Updat.* 2020, **48**, 100658. ISSN 1368-7646.

IF 11

- TOMASOVA K., CUMOVA A., SEBOROVA K., HORÁK J., KOUCKA K., VODICKOVA L., VACLAVIKOVA R., VODICKA P. DNA Repair and Ovarian Carcinogenesis: Impact on Risk, Prognosis and Therapy Outcome. *Cancers (Basel).* 2020, **12(7)**, 1713. ISSN 2072-6694.

IF 6,126

- DOBIASOVA S., REHOROVA K., KUČEROVA D., BIEDERMANN D., KÁŇOVÁ K., PETRÁSKOVÁ L., KOUCKÁ K., VACLAVIKOVA R., VALENTOVÁ K., RUMML T., MACEK T., KREN V. VIKTOROVA J. Multidrug Resistance Modulation Activity of Silybin Derivatives and Their Anti-inflammatory Potential. *Antioxidants (Basel)* 2020, **9(5)**, 455. ISSN 2076-3921.

IF 5,014

- HUBACKOVA S., PRIBYL M., KYJACOVA L., MOUDRA A., DZIJAK R., SALOVSKA B., STRNAD H., TAMBOR V., IMRICOVA T., SVEC J., VODICKA P., VACLAVIKOVA R., ROB L., BARTEK J., HODNY Z. Interferon-regulated suprabasin is essential for stress-induced stem-like



cell conversion and therapy resistance of human malignancies. *Mol Oncol.* 2019, **13(7)**, 1467-1489.
ISSN 1574-7891.

IF 5,962