



Publikace k výzkumným aktivitám SZÚ za rok 2012

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- články v impaktovaných časopisech

1. ARIENTOVA, S., SCHRAMLOVA, J., AMBROZOVA, H., MARESOVA, V., HOLUB, M. Electron microscopy in the diagnosis of viral gastroenteritis in hospitalised children in the Czech Republic. *Folia Microbiologica*. 2012, **57**(3), 177-182. ISSN 0015-5632.
2. BARDOŇ, J., KOLÁŘ, K., KARPÍŠKOVÁ, R., ŽEMLIČKOVÁ, H., FRIDRICHOVÁ, M., SAUER, P., ŠTÁSTKOVÁ, Z., HANULÍK, V. Occurrence and characteristics of methicillin-resistant *Staphylococcus aureus* in pig farms in the Czech Republic. *Acta Veterinaria Brno*. 2012, **81**(3), 219-223. ISSN 0001-7213.
3. BOON, P.E., TE BIESEBEEK, J.D., SIOEN, I., HUYBRECHTS, I., MOSCHANDREAS, J., RUPRICH, J., TURRINI, A., AZPIRI, M., BUSK, L., CHRISTENSEN, T., KERSTING, M., LAFAY, L., LIUKKONEN, K.H., PAPOUTSOU, S., SERRA-MAJEM, L., TRACZYK, I., DEHENAUIW, S., VAN KLAVEREN, J.D. Long-term dietary exposure to lead in young European children: comparing a pan-European approach with a national exposure assessment. *Food Additives & Contaminants Part: A - Chemistry Analysis Control Exposure & Risk Assessment*. 2012, **29**(11), 1701-1715. ISSN 1944-0049.
4. BOSÁK, J., LAIBLOVÁ, P., ŠMARDA, J., DĚDIČOVÁ, D., ŠMAJS, D. Novel colicin Fy of *Yersinia frederiksenii* inhibits pathogenic *Yersinia* strains via YiuR-mediated reception, TonB import, and cell membrane pore formation. *Journal of Bacteriology*. 2012, **194**(8), 1950-1959. ISSN 0021-9193.
5. BUDERA, P., STRAKA, Z., OSMANČÍK, P., VANĚK, T., JELÍNEK, Š., HLAVIČKA, J., FOJT, R., ČERVINKA, P., HULMAN, M., ŠMÍD, M., MALÝ, M., WIDIMSKÝ, P. Comparison of cardiac surgery with left atrial surgical ablation vs. cardiac surgery without atrial ablation in patients with coronary and/or valvular heart disease plus atrial fibrillation: final results of the PRAGUE-12 randomized multicentre study. *European Heart Journal*. 2012, **33**(21), 2644-2652. ISSN 0195-668X.
6. CERIDONO, M., TELLNER, P., BAUER, D., BARROSO, J., ALÉPÉE, R., CORVI, R., DESMEDT, A., FELLOWS, M.D., GIBBS, N.K., HEISLER, E., JACOBS, A., JÍROVÁ, DAGMAR, JONES, D., KANDÁROVÁ, H., KASPER, P., KINYAMU AKUNDA, J., KRUL, C., LEARN, D., LIEBSCH, M., LYNCH, A.M., MUSTER, W., NAKAMURA, K., FRANK NASH, J., PFANNENBECKER, U., PHILLIPS, G., ROBLES, C., ROGIERS, V., VAN DE WATER, F., WÄNDEL LIMINGA, U., VOHR, H.W., WATTERLOS, O., WOODS, J., ZUANG, V., KREYSA, J., WILCOX, P. The 3T3 neutral red uptake phototoxicity test: Practical experience and implications for phototoxicity testing - the report of an ECVAM-EFPIA workshop. *Regulatory Toxicology and Pharmacology*. 2012, **63**(3), 480-488. ISSN 0273-2300.
7. CLAUS, H., JÖRDENS, M., KRIZ, P., MUSILEK, M., JARVA, H., PAWLIK, M.C., MERI, S., VOGEL, U. Capsule null locus meningococci: Typing of antigens used in an investigational multicomponent meningococcus serogroup B vaccine. *Vaccine*. 2012, **30**(2), 155-160. ISSN 0264-410X.
8. CRISPIM, S.P., GEELLEN, A., DEVRIES, J.H., FREISLING, H., SOUVEREIN, O., HULSHOF, P.J.M., OCKÉ, M.C., BOSHUIZEN, H., ANDERSEN, L.F., RUPRICH, J., DEKEYZER, W.,



- HUYBRECHTS, I., LAFAY, L., DEMAGISTRIS, M.S., RICCERI, F., TUMINO, R., KROGH, V., BAS BUENO-DE-MESQUITA, H., BEULENS, J.W.J., BOUTRON-RUAULT, M.-CH., NASKA, A., CROWE, F.L., BOEING, H., MCTAGGART, A., KAAKS, R., VAN'T VEER, P., SLIMANI, N. Bias in protein and potassium intake collected with 24-h recalls (EPIC-Soft) is rather comparable across European populations. *European Journal of Nutrition*. 2012, **51**(8), 997-1010. ISSN1436-6207.
9. CRISPIM, S.P., GEELEN, A., SIEBELINK, E., HUYBRECHTS, I., LILLEGAARD, I.T., MARGARITIS, I., REHURKOVA, I., SLIMANI, N., OCKE, M.C., DeBOER, E., VAN'T VEER, P., DEVRIES, J.H. Design aspects of 24 h recall assessments may affect the estimates of protein and potassium intake in dietary surveys. *Public Health Nutrition*. 2012, **15**(7), 1196-1200. ISSN 1368-9800.
 10. ČERNÁ, M., KRŠKOVÁ, A., ČEJCHANOVÁ, M., SPĚVÁČKOVÁ, V. Human biomonitoring in the Czech Republic: an overview. *International Journal of Hygiene and Environmental Health*. 2012, **215**(2), 109-119. ISSN 1438-4639.
 11. DANIEL, M., STEKOLNIKOV, A.A. Chigger mites (Acari, Trombiculidae) of Turkey. *Zootaxa*. 2012, 3216, 1-104. ISSN 1175-5326.
 12. DEMOVA, H., BOLECKOVA, J., ROSE, D., KOEPEL, H., PROCHAZKA, B., BRUNEROVA, L., RYCHLIK, I., CERNA, M. Gene polymorphisms in patients with type 2 diabetes and diabetic nephropathy. *Central European Journal of Biology*. 2012, **7**(2), 210-218. ISSN 1895-104X.
 13. DORYNSKA, A., PAJAK, A., KUBINOVA, R., MALYUTINA, S., TAMOSIUNAS, A., PIKHART, H., PEASEY, A., NIKITIN, Y., MARMOT, M., BOBAK, M. Socioeconomic circumstances, health behaviour and functional limitations in older persons in four Central and Eastern European populations. *Age and Ageing*. 2012, **41**(6), 728-735. ISSN 0002-0729.
 14. DUŠKOVÁ, M., ŠEDO, O., KŠICOVÁ, K., ZDRÁHAL, Z., KARPÍŠKOVÁ, R. Identification of lactobacilli isolated from food by genotypic methods and MALDI-TOF MS. *International Journal of Food Microbiology*. 2012, **159**(2), 107-114. ISSN 0168-1605.
 15. DZUPOVA, O., MACHALA, L., BALOUN, R., MALY, M., BENES, J., BALKOVA, R. a kol. Incidence, predisposing factors, and aetiology of infective endocarditis in the Czech Republic. *Scandinavian Journal of Infectious Diseases*. 2012, **44**(4), 250-255. ISSN 0036-5548.
 16. EHRlichOVÁ, M., OJIMA, I., CHEN, J., VÁCLAVÍKOVÁ, R., NĚMCOVÁ-FÜRSTOVÁ, V., VOBOŘILOVÁ, J., ŠIMEK, P., HORSKÝ, S., SOUČEK, P., KOVÁŘ, J., BRABEC, M., GUT, I. Transport, metabolism, cytotoxicity and effects of novel taxanes on the cell cycle in MDA-MB-435 and NCI/ADR-RES cells. *Naunyn-Schmiedeberg's Archives of Pharmacology*. 2012, **385**(10), 1035-1048. ISSN 0028-1298.
 17. FLASAROVÁ, M., POSPÍŠILOVÁ, P., MIKALOVÁ, L., VALIŠOVÁ, Z., DASTYCHOVÁ, E., STRNADEL, R., KUKLOVÁ, I., WOZNICOVÁ, V., ZÁKOUCKÁ, H., ŠMAJS, D. Sequencing-based molecular typing of *Treponema pallidum* strains in the Czech Republic: all identified genotypes are related to the sequence of the SS14 strain. *Acta Dermato-Venereologica*. 2012, **92**(6), 669-674. ISSN 0001-5555.
 18. FRYNTA, D., ELIÁŠOVÁ, B., FRAŇKOVÁ, M., AULICKÝ, R., RÖDL, P., STEJSKAL, V. Production of UV-light-detectable faeces from house mice (*Mus musculus domesticus*) after consumption of encapsulated fluorescent pigment in monitoring bait. *Pest Management Science*. 2012, **68**(3), 355-361. ISSN 1526-498X.
 19. GALLUZZO, L., SCAFATO, E., MARTIRE, S., ANDERSON, P., COLOM, J., SEGURA, L., MCNEILL, A., SOVINOVÁ, H., RADOŠ KRNEL, S., AHLSTRÖM, S. Alcohol and older people.



- The European project VINTAGE: Good Health into Older Age. Design, methods and major results. *Annali dell'Istituto Superiore di Sanità*. 2012, 48(3), 221-231. ISSN 0021-2571.
20. GATEK, J., VRANA, D., HNATEK, L., BAKALA, J., DUDESEK, B., DUBEN, J., MUSIL, T. Sentinel node biopsy and neoadjuvant chemotherapy in the treatment of breast cancer. *Journal of BUON*. 2012, 17(2), 265-270. ISSN 1107-0625.
 21. GATEK, J., VRANA, D., MELICHAR, B., VAZAN, P., KOTOCOVÁ, K., KOTOC, J., DUDESEK, B., HNATEK, L., DUBEN, J. Significance of the resection margin and risk factors for close or positive resection margin in patients undergoing breast-conserving surgery. *Journal of BUON*. 2012, 17(3), 452-456. ISSN 1107-0625.
 22. GELBÍČKOVÁ, T., KARPÍŠKOVÁ, R. Outdoor environment as a source of *Listeria monocytogenes* in food chain. *Czech Journal of Food Sciences*. 2014, 30(1), 83-88. ISSN 1212-1800.
 23. HLAVATA, I., MOHELNIKOVA-DUCHONOVA, B., VACLAVIKOVA, R., LISKA, V., PITULE, P., NOVAK, P., BRUHA, J., VYCITAL, O., HOLUBEC, L., TRESKA, V., VODICKA, P., SOUCEK, P. The role of ABC transporters in progression and clinical outcome of colorectal cancer. *Mutagenesis*. 2012, 27(2), 187-196. ISSN 0267-8357.
 24. HOLUBOVÁ, Z., MOOS, M., SOMMER, L. Simultaneous determination of metal traces by ICP-MS in environmental waters using SPE preconcentration on different polymeric sorbents. *Chemical Papers*. 2012, 66(10), 899-906. ISSN 0366-6352.
 25. HOLUBOVA, Z., SOMMER, L., MOOS, M., KUTA, J. Simultaneous determination of metal traces using SPE preconcentration on Amberlite XAD-7 by ICP-MS in environmental water and sample ecotoxicology assessment. *Fresenius Environmental Bulletin*. 2012, 21(10A), 3127-3135. ISSN 1018-4619.
 26. HOULSTON, R.S., members of COGENT, SOUČEK, P. COGENT (COlorectal cancer GENEtics) revisited. *Mutagenesis*. 2012, 27(2), 143-151. ISSN 0267-8357.
 27. HRUBÁ, F., STRÖMBERG, U., ČERNÁ, M., CHEN, CH., HARARI, F., HARARI, R., HORVÁT, M., KOPPOVÁ, K., KOS, A., KRSKOVÁ, A., KRSNIK, M., LAAMECH, J., LI, Y.F., LÖFMARK, L., LUNDH, T., LUNDSTRÖM, N.G., LYOUSSI, B., MAZEJ, D., OSREDKAR, J., PAWLAS, K., PAWLAS, N., PROKOPOWICZ, A., RENTSCHLER, G., SPĚVÁČKOVÁ, V., SPIRIC, Z., TRATNIK, J., SKERFVING, S., BERGDAHL, I.A. Blood cadmium, mercury, and lead in children: an international comparison of cities in six European countries, and China, Ecuador, and Morocco. *Environment International*. 2012, 41(1), 29-34. ISSN 0160-4120.
 28. HUBACEK, J.A., PIKHART, H., PEASEY, A., KUBINOVA, R., BOBAK, M. ADH1B Polymorphism, alcohol consumption, and binge drinking in Slavic Caucasians: results from the Czech HAPIEE study. *Alcoholism, Clinical and Experimental Research*. 2012, 36(5), 900-905. ISSN 0145-6008
 29. HUBACKOVA, M., VACLAVIKOVA, R., EHRLICHOVA, M., MRHALOVA, M., KODET, R., KUBACKOVA, K., VRANA, D., GUT, I., SOUCEK, P. Association of superoxide dismutases and NAD(P)H quinone oxidoreductases with prognosis of patients with breast carcinomas. *International Journal of Cancer*. 2012, 130(2), 338-348. ISSN 0020-7136.
 30. JILICH, D., HAVLÍČKOVÁ, M., VESELÝ, D., ROZSYPAL, H., JIŘINCOVÁ, H., STAŇKOVÁ, M., KYNČL, J., MALÝ, M., MACHALA, L. Immunogenicity and safety of pandemic H1N1 2009 influenza vaccine for HIV-1 patients. *Acta Virologica*. 2012, 56(4), 349-351. ISSN 0001-723X.
 31. JIRA, D., JANOUSEK, S., PIKULA, J., VITULA, F., KEJLOVA, K. Toxicity hazard of organophosphate insecticide malathion identified by in vitro methods. *Neuroendocrinology Letters*.



- 2012, **33**(Suppl.3), 53-59. ISSN 0172-780X.
32. JIRÁSKOVÁ, A., NOVOTNÝ, J., NOVOTNÝ, L., VODIČKA, P., PARDINI, B., NACCARATI, A., SCHWERTNER, H.A., HUBÁČEK, J.A., PUNČOCHÁŘOVÁ, L., ŠMERHOVSKÝ, Z., VÍTEK, L. Association of serum bilirubin and promoter variations in HMOX1 and UGT1A1 genes with sporadic colorectal cancer. *International Journal of Cancer*. 2012, **131**(7), 1549-1555. ISSN 0020-7136.
33. JIŘÍK, V., PEKÁREK, L., JANOUT, V., TOMÁŠKOVÁ, H. Association between childhood leukaemia and exposure to power-frequency magnetic fields in Middle Europe. *Biomedical and Environmental Sciences*. 2012, **25**(5), 597-601. ISSN 0895-3988.
34. KRIZ, B., MALY, M., BENES, C., DANIEL, M. Epidemiology of tick-borne encephalitis in the Czech Republic 1970-2008. *Vector Borne Zoonotic Diseases*. 2012, **12**(11), 994-999. ISSN 1530-3667.
35. KRIZOVA, L., BONNIN, R.A., NORDMANN, P., NEMEC, A., POIREL, L. Characterization of a multidrug-resistant *Acinetobacter baumannii* strain carrying the bla_{NDM-1} and bla_{OXA-23} carbapenemase genes from the Czech Republic. *Journal of Antimicrobial Chemotherapy*. 2012, **67**(6), 1550-1552. ISSN 0305-7453.
36. KUBÁNEK, M., ŠRAMKO, M., BERENOVÁ, DAGMAR, HULÍNSKÁ, D., HRBÁČKOVÁ, H., MALUŠKOVÁ, J., LODEREROVÁ, A., MÁLEK, I., KAUTZNER, J. Detection of *Borrelia burgdorferi* sensu lato in endomyocardial biopsy specimens in individuals with recent-onset dilated cardiomyopathy. *European Journal of Heart Failure*. 2012, **14**(6), 588-596. ISSN 1388-9842.
37. KUNTOVÁ, L., PANTŮČEK, R., RÁJOVÁ, J., RŮŽIČKOVÁ, V., PETRÁŠ, P., MAŠLAŇOVÁ, I., DOŠKAŘ, J. Characteristics and distribution of plasmids in a clonally diverse set of methicillin-resistant *Staphylococcus aureus* strains. *Archives of Microbiology*. 2012, **194**(7), 607-614. ISSN 0302-8933.
38. KURBATOVA, E.V., CAVANAUGH, J.S., SHAH, N.S., WRIGHT, A., KIM, H., METCHOCK, B., VAN DEUN, A., BARRERA, L., BOULAHBAL, F., RICHTER, E., MARTÍN-CASABONA, N., ARIAS, F., ZEMANOVA, I., DROBNIEWSKI, F., SANTOS SILVA, A., COULTER, C., LUMB, R., CEGIELSKI, J.P. Rifampicin-resistant *Mycobacterium tuberculosis*: susceptibility to isoniazid and other anti-tuberculosis drugs. *The International Journal of Tuberculosis and Lung Disease*. 2012, **16**(3), 355-357. ISSN 1027-3719.
39. KURKELA, S., PEBODY, R., KAFATOS, G., ANDREWS, N., BARBARA, C., BRUZZONE, B., BUTUR, D., CAPLINSKAS, S., DAVIDKIN, I., HATZAKIS, A., HELLENBRAND, W., HESKETH, L., NARDONE, A., NEMECEK, V., PISTOL, A., SOBOTOVÁ, Z., VRANCKX, R., ANASTASSOPOULOU, C. Comparative hepatitis A seroepidemiology in 10 European countries. *Epidemiology and Infection*. 2012, **140**(12), 2172-2181. ISSN 0950-2688.
40. LANDI, D., GEMIGNANI, F., PARDINI, B., NACCARATI, A., GARRITANO, S., VODICKA, P., VODICKOVA, L., CANZIAN, F., NOVOTNY, J., BARALE, R., LANDI, S. Identification of candidate genes carrying polymorphisms associated with the risk of colorectal cancer by analyzing the colorectal mutome and microRNAome. *Cancer*. 2012, **118**(19), 4670-4680. ISSN 0008-543X.
41. LINHART, I., MRÁZ, J., DABROWSKÁ, L., MALIŠ, M., KROUŽELKA, J., KOŘÍNEK, M. Vinylphenylmercapturic acids in human urine as biomarkers of styrene ring oxidation. *Toxicology Letters*. 2012, **213**(2), 260-265. ISSN 0378-4274.
42. LINHART, I., MRÁZ, J., HANZLÍKOVÁ, I., ŠILHÁNKOVÁ, A., FRANTÍK, E., HIML, M. Carcinogenic 3-nitrobenzanthrone but not 2-nitrobenzanthrone is metabolised to an unusual mercapturic acid in rats. *Toxicology Letters*. 2012, **208**(3), 246-253. ISSN 0378-4274.



43. LO, W.S., LIM, Y.P., CHEN, C.C., HSU, C.C., SOUČEK, P., YUN, C.H., XIE, W., UENG, Y.F. A dual function of the furanocoumarin cholepentin in inhibiting Cyp2a and inducing Cyp2b in mice: the protein stabilization and receptor-mediated activation. *Archives of Toxicology*. 2012, **86**(12), 1927-1938. ISSN 0340-5761.
44. MALIR, F., OSTRY, V., PFOHL-LESZKOWICZ, A., ROUBAL, T. Ochratoxin A exposure biomarkers in the Czech Republic and comparison with foreign countries. *Biomarkers*. 2012, **17**(7), 577-589. ISSN 1354-750X.
45. MARA, K., DECOROSI, F., VITI, C., GIOVANNETTI, L., PAPALEO, M.C., MAIDA, I., PERRIN, E., FONDI, M., VANEECHOUTTE, M., NEMEC, A., VAN DEN BARSELAAR, M., DIJKSHOORN, L., FANI, R. Molecular and phenotypic characterization of *Acinetobacter* strains able to degrade diesel fuel. *Research in Microbiology*. 2012, **163**(3), 161-172. ISSN 0923-2508.
46. MAREJKOVÁ, M., ROHÁČOVÁ, H., REISINGEROVÁ, M., PETRÁŠ, P. An imported case of bloody diarrhea in the Czech Republic caused by a hybrid enteroaggregative hemorrhagic *Escherichia coli* (EAHEC) O104:H4 strain associated with the large outbreak in Germany, May 2011. *Folia Microbiologica*. 2012, **57**(2), 85-89. ISSN 0015-5632.
47. MELTER, O., ARVAND, M., VOTÝPKA, J., HULÍNSKÁ, D. Bartonella quintana transmission from mite to family with high socioeconomic status. *Emerging Infectious Diseases*. 2012, **18**(1), 163-165. ISSN 1080-6040.
48. MIKEŠ, O., ČUPR, P., KOHÚT, L., KRŠKOVÁ, A., ČERNÁ, M. Fifteen years of monitoring of POPs in the breast milk, Czech Republic, 1994-2009: trends and factors. *Environmental Science and Pollution Research International*. 2012, **19**(6), 1936-1943. ISSN 0944-1344.
49. MOHELNIKOVA-DUCHONOVA, B., OLIVERIUS, M., HONSOVA, E., SOUCEK, P. Evaluation of reference genes and normalization strategy for quantitative real-time PCR in human pancreatic carcinoma. *Disease Markers*. 2012, **32**(3), 203-210. ISSN 0278-0240.
50. MOTOVSKA, Z., ODVODYOVA, D., FISCHEROVA, M., STEPANKOVA, S., MALY, M., MORAWSKA, P., WIDIMSKY, P. Renal function assessed using cystatin C and antiplatelet efficacy of clopidogrel assessed using the vasodilator-stimulated phosphoprotein index in patients having percutaneous coronary intervention. *American Journal of Cardiology*. 2012, **109**(5), 620-623. ISSN 0002-9149.
51. NACCARATI, A., POLAKOVA, V., PARDINI, B., VODICKOVA, L., HEMMINKI, K., KUMAR, R., VODICKA, P. Mutations and polymorphisms in TP53 gene-an overview on the role in colorectal cancer. *Mutagenesis*. 2012, **27**(2), 211-218. ISSN 0267-8357.
52. NECIDOVÁ, L., JANŠTOVÁ, B., KARPIŠKOVÁ, R. Dynamics of staphylococcal enterotoxin production in model experiments simulating the fresh cheese environment. *Acta Veterinaria Brno*. 2012, **81**(4), 391-396. ISSN 0001-7213.
53. NECKÁŘ, Jan, BOUDÍKOVÁ, A., MANDÍKOVÁ, P., ŠTĚRBA, M., POPELOVÁ, O., MIKŠÍK, I., DABROWSKÁ, L., MRÁZ, J., GERŠL, V., KOLÁŘ, F. Protective effects of dexrazoxane against acute ischaemia/reperfusion injury of rat hearts. *Canadian Journal of Physiology and Pharmacology*. 2012, **90**(9), 1303-1310. ISSN 0008-4212.
54. NEMEC, A., KRÍŽOVÁ, L. Carbapenem-resistant *Acinetobacter baumannii* carrying the NDM-1 gene, Czech Republic, 2011. *Euro Surveillance*. 2012, **17**(11), pii: 20121. ISSN 1560-7917.
55. OSTRY, V., SKARKOVA, J., RUPRICH, J. Densitometric high-performance thin-layer chromatography method for toxigenity testing of *Alternaria alternata* strains isolated from foodstuffs. *Journal of Planar Chromatography - Modern TLC*. 2012, **25**(5), 388-393. ISSN 0933-4173.



56. OTOVÁ, B., OJIMA, I., VÁCLAVÍKOVÁ, R., HRDÝ, J., EHRLICHOVÁ, M., SOUČEK, P., VOBOŘILOVÁ, J., NĚMCOVÁ, V., ZANARDI, I., HORSKÝ, S., KOVÁŘ, J., GUT, I. Second-generation taxanes effectively suppress subcutaneous rat lymphoma: role of disposition, transport, metabolism, in vitro potency and expression of angiogenesis genes. *Investigational New Drugs*. 2012, **30**(3), 991-1002. ISSN 0167-6997.
57. PALACIO-VIEIRA, J., SEGURA, L., GUAL, A., COLOM, J., AHLSTRÖM, S., RADOŠ KRNEL, S., MCNEILL, A., SOVINOVA, H., SCAFATO, E. Good practices for the prevention of alcohol harmful use amongst the elderly in Europe, the VINTA GE project. *Annali dell'Istituto Superiore di Danità*. 2012, **48**(3), 248-255. ISSN 0021-2571.
58. PATKOVÁ, J., VOJTÍŠEK, M., TŮMA, J., VOŽEH, F., KNOTKOVÁ, J., ŠANTOROVÁ, P., WILHELM, J. Evaluation of lipofuscin-like pigments as an index of lead-induced oxidative damage in the brain. *Experimental and Toxicologic Pathology*. 2012, **64**(1/2), 51-56. ISSN 0940-2993.
59. RODRIGUEZ-GRANGER, J., ALVARGONZALEZ, J.C., BERARDI, A., BERNER, R., KUNZE, M., HUFNAGEL, M., MELIN, P., DECHEVA, A., OREFICI, G., POYART, C., TELFORD, J., EFSTRATIOU, A., KILLIAN, M., KRIZOVA, P., BALDASSARRI, L., SPELLERBERG, B., PUERTAS, A., ROSA-FRAILE, M. Prevention of group B streptococcal neonatal disease revisited. The DEVANI European project. *European Journal of Clinical Microbiology and Infectious Diseases*. 2012, **31**(9), 2097-2104. ISSN 0934-9723.
60. RŮŽIČKOVÁ, V., PANTŮČEK, R., PETRÁŠ, P., MACHOVÁ, I., KOSTÝLKOVÁ, K., DOŠKAŘ, J. Major clonal lineages in impetigo *Staphylococcus aureus* strains isolated in Czech. *International Journal of Medical Microbiology*. 2012, **302**(6), 237-241. ISSN 1438-4221.
61. RYBA, S., TACNER, J., HAVLICKOVA, M., STOPKA, P. Stability of influenza virus as evaluated by integrity of its RNA. *Acta Virologica*. 2012, **56**(2), 125-128. ISSN 0001-723X.
62. ŘEHULKA, J., MAREJKOVÁ, M., PETRÁŠ, P. Edwardsiellosis in farmed rainbow trout (*Oncorhynchus mykiss*). *Aquaculture Research*. 2012, **43**(11), 1628-1634. ISSN 1365-2109.
63. SHESTIVSKA, V., ŠPANĚL, P., DRYAHINA, K., SOVOVÁ, K., SMITH, D., MUSÍLEK, M., NEMEC, A. Variability in the concentrations of volatile metabolites emitted by genotypically different strains of *Pseudomonas aeruginosa*. *Journal of Applied Microbiology*. 2012, **113**(3), 701-713. ISSN 1364-5072.
64. SCHLEGEL, M., RADOSA, L., ROSENFELD, U.M., SCHMIDT, S., TRIEBENBACHER, C., LÖHR, P.W., FUCHS, D., HEROLDOVÁ, M., JÁNOVÁ, E., STANKO, M., MOŠANSKÝ, L., FRIČOVÁ, J., PEJČOCH, M., SUCHOMEL, J., PURCHART, L., GROSCHUP, M.H., KRÜGER, D.H., KLEMPA, B., ULRICH, R.G. Broad geographical distribution and high genetic diversity of shrew-borne Seewis hantavirus in Central Europe. *Virus Genes*. 2012, **45**(1), 48-55. ISSN 0920-8569.
65. SLANY, M., JEZEK, P., FISEROVA, V., BODNAROVA, M., STORK, J., HAVELKOVA, M., KALAT, F., PAVLIK, I. Mycobacterium marinum infections in humans and tracing of its possible environmental sources. *Canadian Journal of Microbiology*. 2012, **58**(1), 39-44. ISSN 0008-4166.
66. SLYSKOVA, J., KORENKOVA, V., COLLINS, A.R., PROCHAZKA, P., VODICKOVA, L., SVEC, J., LIPSKA, L., LEVY, M., SCHNEIDEROVA, M., LISKA, V., HOLUBEC, L., KUMAR, R., SOUCEK, P., NACCARATI, A., VODICKA, P. Functional, genetic, and epigenetic aspects of base and nucleotide excision repair in colorectal carcinomas. *Clinical Cancer Research*. 2012, **18**(21), 5878-5887. ISSN 1078-0432.
67. SLYSKOVA, J., NACCARATI, A., PARDINI, B., POLAKOVA, V., VODICKOVA, L., SMERHOVSKY, Z., LEVY, M., LIPSKA, L., LISKA, V., VODICKA, P. Differences in nucleotide



- excision repair capacity between newly diagnosed colorectal cancer patients and healthy controls. *Mutagenesis*. 2012, **27**(2), 225-232. ISSN 0267-8357.
68. SMET, A., BOYEN, F., PASMANS, F., BUTAYE, P., MARTENS, A., NEMEC, A., DESCHAGHT, P., VANEECHOUTTE, M., HAESBROUCK, F. OXA-23-producing *Acinetobacter* species from horses: a public health hazard? *Journal of Antimicrobial Chemotherapy*. 2012, **67**(12), 3009-3010. ISSN 0305-7453.
69. SYSALOVÁ, J., SÝKOROVÁ, I., HAVELCOVÁ, M., SZÁKOVÁ, J., TREJTNAROVÁ, H., KOTLÍK, B. Toxicologically important trace elements and organic compounds investigated in size-fractionated urban particulate matter collected near the Prague highway. *Science of the Total Environment*. 2012, **437**, 127-136. ISSN 0048-9697.
70. ŠTÁSTKOVÁ, Z., KARPÍŠKOVÁ, R., GELBÍČOVÁ, T., VAŇÁČ, V., TŮMA, Š., SVĚTLÍKOVÁ, B. Detection of enterotoxigenic genes in *Staphylococcus aureus* isolated from bulk tank cow's milk samples in the Czech Republic. *Acta Alimentaria*. 2012, **41**(3), 327-333. ISSN 0139-3006.
71. THEYS, K., DEFORCHE, K., VERCAUTEREN, J., LIBIN, P., VAN DE VIJVER, D.A.M.C., ALBERT, J., ASJO, B., CAMACHO, R., BALOTTA, C., BRUCKOVÁ, M., et al. Treatment-associated polymorphisms in protease are significantly associated with higher viral load and lower CD4 count in newly diagnosed drug-naive HIV-1 infected patients. *Retrovirology*. 2012, **9**, č. článku 81. ISSN 1742-4690.
72. TOMÁŠKOVÁ, H., JIRÁK, Z., ŠPLÍČALOVÁ, A., URBAN, P. Cancer incidence in Czech black coal miners in association with coalworkers' pneumoconiosis. *International Journal of Occupational Medicine and Environmental Health*. 2012, **25**(2), 137-144. ISSN 1232-1087.
73. TRIVEDI, K., SEDMÍKOVÁ, R., KARPÍŠKOVÁ, R. Bacteriocin activity of enterococci and presence of genes related to pathogenesis. *Czech Journal of Food Sciences*. 2012, **30**(4), 330-335. ISSN 1212-1800.
74. VACLAVIKOVA, R., EHRLICHOVA, M., HLAVATA, I., PECHA, V., KOZEVNIKOVOVA, R., TRNKOVA, M., ADAMEK, J., EDVARDBSEN, H., KRISTENSEN, V.N., GUT, I., SOUCEK, P. Detection of frequent ABCB1 polymorphisms by high-resolution melting curve analysis and their effect on breast carcinoma prognosis. *Clinical Chemistry and Laboratory Medicine*. 2012, **50**(11), 1999-2007. ISSN 1434-6621.
75. VANOUSOVA, D., ZÁKOUCKÁ, H., JILICH, D., ROZSYPAL, H., STANKOVA, M., ZUFANOVÁ, S., VOJACKOVA, N., HERCOGOVA, J., MARVAN, J., MACHALA, L. First detection of *Chlamydia trachomatis* LGV biovar in the Czech Republic, 2010-2011. *Euro Surveillance*. 2012, **17**(2), 20055. ISSN 1560-7917.
76. VIGNEROVÁ, J., PAULOVÁ, M., SHRIVER, L.H., RIEDLOVÁ, J., SCHNEIDROVÁ, D., KUDLOVÁ, E., LHOTSKÁ, L. The prevalence of wasting in Czech infants: a comparison of the WHO child growth standards and the Czech growth references. *Maternal and Child Nutrition*. 2012, **8**(2), 249-258. ISSN 1740-8695.
77. VOTÝPKA, J., KASAP, O.E., VOLF, P., KODYM, P., ALTEN, B. Risk factors for cutaneous leishmaniasis in Cukurova region, Turkey. *Transactions of the Royal Society of Tropical Medicine and Hygiene*. 2012, **106**(3), 186-190. ISSN 0035-9203.
78. WIDIMSKÝ, P., ROHÁČ, F., ŠTÁSEK, J., KALA, P., ROKYTA, R., KUZMANOV, B., JAKL, M., POLOZCEK, M., KAŇOVSKÝ, J., BERNAT, I., HLINOMAZ, O., BĚLOHLÁVEK, J., KRÁL, A., MRÁZEK, V., GRIGOROV, V., DJAMBAZOV, S., PETR, R., KNOT, J., BÍLKOVÁ, D., FISCHEROVÁ, M., VONDRÁK, K., MALÝ, M., LORENCOVÁ, A. Primary angioplasty in acute



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- myocardial infarction with right bundle branch block: should new onset right bundle branch block be added to future guidelines as an indication for reperfusion therapy? *European Heart Journal*. 2012, **33**(1), 86-95. ISSN 0195-668X.
79. ZANDER, E., NEMEC, A., SEIFERT, H., HIGGINS, P.G. Association between β -lactamase encoding blaOXA-51 variants and DiversiLab rep-PCR based typing of *Acinetobacter baumannii*. *Journal of Clinical Microbiology*. 2012, **50**(6), 1900-1904. ISSN 0095-1137.
80. ZAPOMĚLOVÁ, E., SKÁCELOVÁ, O., PUMANN, P., KOPP, R., JANEČEK, E. Biogeographically interesting planktonic Nostocales (Cyanobacteria) in the Czech Republic and their polyphasic evaluation resulting in taxonomic revisions of *Anabaena bergii* Ostenfeld 1908 (*Chrysoosporum* gen. nov.) and *A-tenericaulis* Nygaard 1949 (*Dolichospermum tenericaule* comb. nova). *Hydrobiologia*. 2012, **698**(1), 353-365. ISSN 0018-8158.
81. ZIEG, J., DUSEK, J., MAREJKOVA, M., LIMROVA, P., BLAZEK, D., PAVLICEK, P., GREGA, M., JANDA, J., BLAHOVA, K. Fatal case of diarrhea-associated hemolytic uremic syndrome with severe neurologic involvement. *Pediatrics International*. 2012, **54**(1), 166-167. ISSN 1328-8067.