

# Food Additives & Contaminants: Part A

Volume 30

Number 1

January 2013

## Contents

Aluminium oxide nanoparticles induce mitochondrial-mediated oxidative stress and alter the expression of antioxidant enzymes in human mesenchymal stem cells <i>A.A. Alshatwi, P.V. Subbarayan, E. Ramesh, A.A. Al-Hazzani, M.A. Alsaif and A.A. Alwarthan</i>	1
Analytical approaches for MCPD esters and glycidyl esters in food and biological samples: a review and future perspectives <i>C. Crews, A. Chiodini, M. Granvogl, C. Hamlet, K. Hrnčirik, J. Kuhlmann, A. Lampen, G. Scholz, R. Weisshaar, T. Wenzl, P.R. Jasti and W. Seefelder</i>	11
Fatty acid esters of monochloropropanediol (MCPD) and glycidol in refined edible oils <i>B.D. Craft, A. Chiodini, J. Garst and M. Granvogl</i>	46
A new, direct analytical method using LC-MS/MS for fatty acid esters of 3-chloro-1,2-propanediol (3-MCPD esters) in edible oils <i>K. Yamazaki, M. Ogiso, S. Isagawa, T. Urushiyama, T. Ukena and N. Kibune</i>	52
Application of gastrointestinal modelling to the study of the digestion and transformation of dietary glycidyl esters <i>N. Frank, M. Dubois, G. Scholz, W. Seefelder, J.-Y. Chuat and B. Schilter</i>	69
Assessment of glutathione levels in model solution and grape ferments supplemented with glutathione-enriched inactive dry yeast preparations using a novel UPLC-MS/MS method <i>E.C. Kritzing, M.A. Stander and W.J. Du Toit</i>	80
Validation of two ELISA kits for the screening of tylosin and streptomycin in honey according to the European decision 2002/657/EC <i>V. Gaudin, C. Hedou and E. Verdon</i>	93
Determination of cadmium and zinc in vegetables with online FAAS after simultaneous pre-concentration with 1,5-diphenylthiocarbazone immobilised on naphthalene <i>Z.A. Chandio, F.N. Talpur, H. Khan, H.I. Afridi and G.Q. Khaskheli</i>	110
Uncertainty of the sample size reduction step in pesticide residue analysis of large-sized crops <i>P. Yolci Omeroglu, A. Ambrus, D. Boyacioglu and E. Solymosne Majzik</i>	116
Aflatoxins in food products consumed in Brazil: a preliminary dietary risk assessment <i>P.D. Andrade, M.H. de Mello, J.A. Franca and E.D. Caldas</i>	127
Survey of deoxynivalenol and its conjugates deoxynivalenol-3-glucoside and 3-acetyl-deoxynivalenol in 374 beer samples <i>E. Varga, A. Malachova, H. Schwartz, R. Krska and F. Berthiller</i>	137
Rapid purification method for fumonisin B1 using centrifugal partition chromatography <i>A. Szekeres, L. Lorántfy, O. Bencsik, A. Kecskeméti, A. Szécsi, A. Mesterházy and Cs. Vágvölgyi</i>	147
Determination of <i>fusarium</i> mycotoxins in wheat, maize and animal feed using on-line clean-up with high resolution mass spectrometry <i>E. Ates, K. Mittendorf, J. Stroka and H. Senyuva</i>	156
Enhanced screening efficiency for endocrine-disrupting chemicals in milk and powdered milk using UPLC/QTOF-MS by the introduction of dansyl chloride derivatisation <i>H.-X. Wang, Y. Zhou and Q.-W. Jiang</i>	166
Seasonal and geographical variations in levels of polychlorinated biphenyls (PCB) and polybrominated diphenyl ethers (PBDE) in Polish butter fat used as an indicator of environmental contamination <i>M. Roszko, M.W. Obiedziński, K. Szymczyk, M. Rzepkowska, A. Szerk and R. Jędrzejczak</i>	181
Fast sequential determination of antimony and lead in pewter alloys using high-resolution continuum source flame atomic absorption spectrometry <i>M.B. Dessuy, R.M. de Jesus, G.C. Brandao, S.L.C. Ferreira, M.G.R. Vale and B. Welz</i>	202