

Volume 30 Number 1

January 2013

ISSN 1944-0049

Food Additives & Contaminants

PART A:

CHEMISTRY • ANALYSIS • CONTROL • EXPOSURE & RISK ASSESSMENT



Taylor & Francis
Taylor & Francis Group

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. Hruščík, 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. Kritzinger, 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. Tálpur, H. Khan, H.I. Afzidi and G.Q. Khaskheli</i> | 110 |
| Uncertainty of the sample size reduction step in pesticide residue analysis of large-sized crops <i>P. Yıldız Omeroglu, Á. 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. França 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. Krská and I. Berthiller</i> | 137 |
| Rapid purification method for fumonisins B1 using centrifugal partition chromatography <i>A. Szekeres, L. Lorántffy, O. Benesik, A. Keeskeméti, A. Szécsi, A. Mesterházy and Cs. Vágvölgyi</i> | 147 |
| Determination of fusarium 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. Szterk 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. Brando, S.L.C. Ferreira, M.G.R. Vale and B. Wélz</i> | 202 |