

## Bibliography of analytical, nutritional and clinical methods

(5 weeks journals. Search completed at 5th. Sept. 2007)

### 1. Reviews

Barker SA// Louisiana State Univ, Sch Vet Med, Dept Comparat Biomed Sci, Baton Rouge, La 70803, USA

*J Biochem Biophys Methods* 2007 **70** (2) 151

Matrix solid phase dispersion (MSPD)

Bogialli S, Di Corcia A\*// \*Univ Roma La Sapienza, Dipt Chim, Piazza Aldo Moro 5, IT-00185 Rome, Italy

*J Biochem Biophys Methods* 2007 **70** (2) 163

Matrix solid-phase dispersion as a valuable tool for extracting contaminants from foodstuffs

Donato P, Tranchida PQ, Dugo P, Dugo G, Mondello L\*// \*Universita Messina, Fac Farm, Dipartimento Farmacochim, Viale Annunziata, IT-98168 Messina, Italy

*J Sep Sci* 2007 **30** (4) 508

Rapid analysis of food products by means of high speed gas chromatography

Gomez-Romero M, Arraez-Roman D, Segura-Carretero A\*, Fernandez-Gutierrez A// \*University Granada, Faculty Science, Department Analytical Chemistry, Research Group FQM 297, Campus de Fuentenueva s/n, ES-18071 Granada, Spain

*J Sep Sci* 2007 **30** (4) 452

Analytical determination of antioxidants in tomato: Typical components of the Mediterranean diet

He CY, Long YY, Pan JL, Li K, Liu F\*// \*Peking University, College Chemistry, Beijing National Laboratory Molecular Science, MoE Key Laboratory Bioorganic Chemistry & Molecular Engn, CN-100871 Beijing, Peoples Rep China

*J Biochem Biophys Methods* 2007 **70** (2) 133

Application of molecularly imprinted polymers to solid-phase extraction of analytes from real samples

Lambropoulou DA, Albanis TA\*// \*Univ Ioannina, Dept Chem, Lab Environm Technol, GR-45110 Ioannina, Greece

*J Biochem Biophys Methods* 2007 **70** (2) 195

Liquid-phase micro-extraction techniques in pesticide residue analysis

Pico Y, Fernandez M, Ruiz MJ, Font G\*// \*Universidad Valencia, Facultad Farm, Lab Bromatol & Toxicol, Ave Vicent Andres Estelles s/n, ES-46100 Valencia, Spain

*J Biochem Biophys Methods* 2007 **70** (2) 117

Current trends in solid-phase-based extraction techniques for the determination of pesticides in food and environment

Saz JM, Marina ML\*// \*Universidad Alcalá de Henares, Facultad Quimica, Dept Quimica Analitica, Carretera Madrid-Barcelona km 33.600, ES-28871 Madrid, Spain

*J Sep Sci* 2007 **30** (4) 431

High performance liquid chromatography and capillary electrophoresis in the analysis of soybean proteins and peptides in foodstuffs

Stashenko EE, Martinez JR// Ind Univ Santander, Chromatog Lab, Research Centre Biomolecules, CENIVAM, CIBIMOL, Carrera 27, Calle 9, Bucaramanga, Colombia

*J Biochem Biophys Methods* 2007 **70** (2) 235

Sampling volatile compounds from natural products with headspace/solid-phase micro-extraction

### 3. Amino acids, proteins & enzymes

Amigo-Benavent M, Villamiel M, Del Castillo MD\*// \*Instituto Fermentaciones Ind - CSIC, Juan Cierva 3, ES-28006 Madrid, Spain

*J Sep Sci* 2007 **30** (4) 502

Chromatographic and electrophoretic approaches for the analysis of protein quality of soy beverages

Garcia MC, Heras JM, Marina ML\*// \*Univ Alcalá de Henares, Fac Quim, Dept Quim Anal, ES-28871 Madrid, Spain

*J Sep Sci* 2007 **30** (4) 475

Simple and rapid characterization of soybean cultivars by perfusion reversed-phase HPLC: Application to the estimation of the 11S and 7S globulin contents

Guarino C, Arena S, De Simone L, D'Ambrosio C, Santoro S, Rocco M, Scaloni A, Marra M\*// \*Univ Roma Tor Vergata, Dept Biol, Via Ricerca Scientifica, IT-00178 Rome, Italy

*Mol Nutr Food Res* 2007 **51** (2) 255

Proteomic analysis of the major soluble components in Annurca apple flesh

Karayannidou A, Makri E, Papalamprou E\*, Doxastakis G, Vaintraub I, Lapteva N, Artico G// \*Aristotle Univ Thessaloniki, Sch Chem, Lab Food Chem & Technol, GR-54124 Thessaloniki, Greece

*Food Chem* 2007 **104** (4) 1728

Limited proteolysis as a tool for the improvement of the functionality of sunflower (*Helianthus annuus* L.) protein isolates produced by seeds or industrial by-products (solvent cake)

Kemps BJ, De Ketelaere B, Bamelis FR, Mertens K, Decuypere EM, De Baerdemaeker JG, Schwabele F// Katholieke Univ Leuven, Dept Biosyst, BE-3001 Louvain, Belgium

*Poult Sci* 2007 **86** (4) 752

Albumen freshness assessment by combining visible near-infrared transmission and low-resolution proton nuclear magnetic resonance spectroscopy

Manso MA, Miguel M, Lopez-Fandino R\*// \*Inst Fermentaciones Ind - CSIC, Juan Cierva 3, ES-28006 Madrid, Spain

*J Chromatogr A* 2007 **1146** (1) 110

Application of capillary zone electrophoresis to the characterisation of the human milk protein profile and its evolution throughout lactation

Nakano T, Ikawa N, Ozimek L// Univ Alberta, Dept Agr Food & Nutr Sci, Edmonton, Alberta, Canada T6G 2P5

*J Agric Food Chem* 2007 **55** (7) 2714

Detection of sialylated phosphorylated  $\kappa$ -casein glycomacropptide electrophoresed on polyacrylamide gels and cellulose acetate strips by the thiobarbituric acid and malachite green dye reactions

Quiros A, Chichon R, Recio I, Lopez-Fandino R\*// \*Instituto Fermentaciones Indust - CSIC, Juan de la Cierva 3, ES-28006 Madrid, Spain

*Food Chem* 2007 **104** (4) 1734

The use of high hydrostatic pressure to promote the proteolysis and release of bioactive peptides from ovalbumin

Soejima T, Yamauchi K, Yamamoto T, Ohara Y, Nagao E, Kanbara K, Fujisawa M, Okuda Y, Namba S// Morinaga Milk Ind Co Ltd, Anal Res Ctr, 5-1-83 Higashihara, Kanagawa 228 8583, Japan

*J Dairy Res* 2007 **74** (1) 100

Determination of bovine lactoferrin in lactoferrin-supplemented dairy products and raw milk by an automated latex assay

As a service to subscribers of Food Chemistry, this bibliography contains newly published material in the field of analytical, nutritional and clinical methods. The bibliography is divided into fourteen sections: 1 Reviews; 2 General; 3 Amino acids, proteins & enzymes; 4 Carbohydrates; 5 Lipids; 6 Vitamins & co-factors; 7 Trace elements & minerals; 8 Drug, biocide & processing residues; 9 Toxins/Allergens; 10 Additives; 11 Flavours & aromas; 12 Organic acids; 13 Animal products; 14 Plant & microbial products. Within each section, articles are listed in alphabetical order with respect to the author. Where there are no papers to appear under a heading, it will be omitted.

Wang TW, Nam PKS, Shi HL, Ma YF\*// \*Univ Missouri, Dept Chem, 1870 Miner Circle, Rolla, Mo 65409, USA  
*J Chromatogr Sci* 2007 **45** (4) 200  
 Compositional monosaccharide analysis of transgenic corn glycoproteins by HPLC with fluorescence detection and LS-MC with sonic spray ionization

#### 4. Carbohydrates

Chattopadhyay K, Ghosh P, Ghosal P, Ray B\*// \*Univ Burdwan, Dept Chem, Nat Prod Lab, IN-713104 Burdwan, West Bengal, India  
*Indian J Chem Sect B* 2007 **46** (3) 471  
 HPAEC and MALDI-TOF-MS analysis of oligosaccharides generated from sesame meal by enzymatic hydrolysis

Jager AV, Tonin FG, Tavares MFM\*// \*Univ Sao Paulo, Inst Quim, Av Prof Lineu Prestes 748, BR-05508-900 Sao Paulo, Brazil  
*J Sep Sci* 2007 **30** (4) 586

Comparative evaluation of extraction procedures and method validation for determination of carbohydrates in cereals and dairy products by capillary electrophoresis

Martin MJ, Vazquez E, Rueda R// Abbott Labs, Sci & Technol Dept, Camino de Purchil 68, ES-18004 Granada, Spain

*Anal Bioanal Chem* 2007 **387** (8) 2943

Application of a sensitive fluorometric HPLC assay to determine the sialic acid content of infant formulas

#### 5. Lipids

Belgacem O, Stubiger G, Allmaier G, Buchacher A, Pock K// Shimadzu Biotech, Trafford Wharf Rd, Manchester M17 1GP, England  
*Biologicals* 2007 **35** (1) 43

Isolation of esterified fatty acids bound to serum albumin purified from human plasma and characterised by MALDI mass spectrometry

Carrasco-Pancorbo A, Neuss C, Pelzing M, Segura-Carretero A\*, Fernandez-Gutierrez A// \*Univ Granada, Fac Sci, Dept Anal Chem, Res Grp FQM-297, Campus de Fuentenueva s/n, ES-18071 Granada, Spain  
*Electrophoresis* 2007 **28** (5) 806

CE- and HPLC-TOF-MS for the characterization of phenolic compounds in olive oil

Destaillets F, Golay PA, Joffre F, DeWispelaere M, Hug B, Giuffrida F, Fauconnot L, Dionisi F// Nestle Res Ctr, CH-1000 Lausanne 26, Switzerland

*J Chromatogr A* 2007 **1145** (1-2) 222

Comparison of available analytical methods to measure *trans*-octadecenoic acid isomeric profile and content by gas-liquid chromatography in milk fat

Farhoosh R// Ferdowsi Univ Mashhad, Fac Agr, Dept Food Sci & Technol, POB 91775-1163, Mashhad, Iran

*J Am Oil Chem Soc* 2007 **84** (3) 205

The effect of operational parameters of the Rancimat method on the determination of the oxidative stability measures and shelf-life prediction of soybean oil

Gidzen J, Liyanage R, Durham B, Lay JO\*// \*Univ Arkansas, Arkansas State-wide Mass Spectrom Facility, Fayetteville, Ar 72701, USA

*Rapid Commun Mass Spectrom* 2007 **21** (13) 1951

Reducing fragmentation observed in the matrix-assisted laser desorption/ionization time-of-flight mass spectrometric analysis of triacylglycerols in vegetable oils

Kilic K, Onal-Ulusoy B, Boyaci IH\*// \*Hacettepe Univ, Dept Food Engn, TR-06800 Ankara, Turkey

*Eur J Lipid Sci Technol* 2007 **109** (2) 157

A novel method for color determination of edible oils in L\*a\*b\* format

Lacaze JPCL, Stobo LA\*, Turrell EA, Quilliam MA// \*Fisheries Res Serv, Marine Lab, 375 Victoria Road, Aberdeen AB11 9DB, Scotland

*J Chromatogr A* 2007 **1145** (1-2) 51

Solid-phase extraction and liquid chromatography-mass spectrometry for the determination of free fatty acids in shellfish

Lee JH, Jones KC, Foglia TA, Nunez A, Lee JH, Kim YM, Vu PL, Lee KT\*// \*Chungnam Natl Univ, Dept Food Sci & Technol, 220 Gung dong, Yuseong gu, Taejon 305 764, South Korea

*J Am Oil Chem Soc* 2007 **84** (3) 211

Separation of triacylglycerol species from interesterified oils by high-performance liquid chromatography

Leskinen H, Suomela JP, Kallio H\*// \*Univ Turku, Dept Biochem & Food Chem, Vatselankatu 2, FI-20014 Turku, Finland

*Rapid Commun Mass Spectrom* 2007 **21** (14) 2361

Quantification of triacylglycerol regioisomers in oils and fat using different mass spectrometric and liquid chromatographic methods

Liu WH, Stephen Inbaraj B, Chen BH\*// \*Fu Jen Univ, Dept Nutr & Food Sci, Taipei 242, Taiwan

*Food Chem* 2007 **104** (4) 1740

Analysis and formation of *trans* fatty acids in hydrogenated soybean oil during heating

Molkentin J, Giesemann A// Fed Res Ctr Nutr & Food, Inst Dairy Chem & Technol, Hermann Weigman Str 1, DE-24103 Kiel, Germany

*Anal Bioanal Chem* 2007 **388** (1) 297

Differentiation of organically and conventionally produced milk by stable isotope and fatty acid analysis

Moller SF, Jorgensen BM\*// \*Danish Inst Fisheries Res, DTU Bldg 221, DK-2800 Lyngby, Denmark

*J Chromatogr Sci* 2007 **45** (4) 169

Peak alignment and robust principal component analysis of gas chromatograms of fatty acid methyl esters and volatiles

Rombaut R, Dewettinck K, Van Camp J// Univ Ghent, Fac Biosci Engn, Dept Food Safety & Food Quality, Lab Food Technol & Engn, BE-9000 Ghent, Belgium

*J Food Compos Anal* 2007 **20** (3-4) 308

Phospho- and sphingolipid content of selected dairy products as determined by HPLC coupled to an evaporative light scattering detector (HPLC-ELSD)

Rothenbacher T, Schwack W\*// \*Univ Hohenheim, Inst Lebensmittelchem, Garbenstr 28, DE-70599 Stuttgart, Germany

*Rapid Commun Mass Spectrom* 2007 **21** (12) 1937

Determination of epoxidized soybean oil by gas chromatography/single quadrupole and tandem mass spectrometry stable isotope dilution assay

#### 6. Vitamins & co-factors

Amjadi M, Manzoori JL, Orooji M// Univ Tabriz, Fac Chem, Dept Anal Chem, Tabriz, Iran

*Bull Korean Chem Soc* 2007 **28** (2) 246

The use of crude extract of kohlrabi (*Brassica oleracea gongyloides*) as a source of peroxidase in the spectrofluorimetric determination of thiamine

Mo CY, Cao YZ\*// \*Guangzhou Environm Monitoring Ctr, 95 Jixiang Rd, CN-510030 Guangzhou, Guangdong, Peoples Rep China

*Anal Sci* 2007 **23** (4) 453

Simultaneous fluorometric resolution of pyridoxal, pyridoxamine and 4-pyridoxic acid using chemometric methods

Sundl I, Murkovic M, Bandoniene D, Winklhofer-Roob BM\*// \*Karl Franzens Univ Graz, Inst Mol Biosci, Human Nutr & Metab Res & Training Ctr, Schubertstr 1, AT-8010 Graz, Austria

*Clin Nutr* 2007 **26** (1) 145

Vitamin E content of foods: Comparison of results obtained from food composition tables and HPLC analysis

Zhao YX, Kong Y, Wang B\*, Wu YY, Wu H// \*Xian Jiaotong Univ, Sch Life Sci & Technol, MoE Key Lab Biomed Informat Engn, CN-710049 Xian, Peoples Rep China

*J Chromatogr A* 2007 **1146** (1) 131

On-line concentration and determination of all-*trans*- and 13-*cis*-retinoic acids in rabbit serum by application of sweeping technique in micellar electrokinetic chromatography

#### 7. Trace elements & minerals

Chen S, Xiao M, Lu D, Zhan X// Wuhan Polytech Univ, Key Lab, CN-430023 Wuhan, Peoples Rep China

*Rapid Commun Mass Spectrom* 2007 **21** (15) 2524

Use of a microcolumn packed with modified carbon nanofibers coupled with inductively coupled plasma mass spectrometry for simultaneous on-line preconcentration and determination of trace rare earth elements in biological samples

De Souza SVC, Pinto CT, Junqueira RG\*// \*UFMG, FAFAR, Dept Alimentos, Av Antonio Carlos 6627, Campus UFMG, BR-31270-010 Belo Horizonte, MG, Brazil

*J Food Compos Anal* 2007 **20** (3-4) 241

In-house method validation: Application in arsenic analysis

Jalbani N, Kazi TG\*, Jamali MK, Arain BM, Afridi HI, Baloch A// \*Univ Sindh, Ctr Excellence Anal Chem, PK-76080 Jamshoro, Pakistan

*J Food Compos Anal* 2007 **20** (2-3) 226

Evaluation of aluminum contents in different bakery foods by electrothermal atomic absorption spectrometer

Pearson GF, Greenway GM\*, Brima EI, Haris PI// \*Univ Hull, Dept Chem, Cottingham Rd, Hull HU6 7RX, England

*J Anal Atom Spectrom* 2007 **22** (4) 361

Rapid arsenic speciation using ion pair LC-ICPMS with a monolithic silica column reveals increased urinary DMA excretion after ingestion of rice

Tseng YJ, Tsai YD, Jiang SJ\*// \*Natl Sun Yat Sen Univ, Dept Chem, Kaohsiung 80424, Taiwan

*Anal Bioanal Chem* 2007 **387** (8) 2849

Electrothermal vaporization dynamic reaction cell inductively coupled plasma mass spectrometry for the determination of Fe, Co, Ni, Cu, and Zn in biological samples

Warburton E, Goenaga-Infante H\*// \*Lab Govt Chemist, Queens Rd, Teddington TW11 0LY, England  
*J Anal Atom Spectrom* 2007 **22** (4) 370  
 Methane mixed plasma - Improved sensitivity of inductively coupled plasma mass spectrometry detection for selenium speciation analysis of wheat-based food

## 8. Drug, biocide & processing residues

Altaki MS, Santos FJ, Galceran MT\*// \*Univ Barcelona, Dept Quim Anal, Diagonal 647, ES-08028 Barcelona, Spain  
*J Chromatogr A* 2007 **1146** (1) 103  
 Analysis of furan in foods by headspace solid-phase microextraction-gas chromatography-ion trap mass spectrometry

Bagnati R, Bianchi G, Marangon E, Zuccato E, Fanelli R, Davoli E\*// \*Ist Ricerche Farmacol Mario Negri, Environm Hlth Sci Dept, Via Eritrea 62, IT-20157 Milan, Italy  
*Rapid Commun Mass Spectrom* 2007 **21** (13) 1998

Direct analysis of isopropylthioxanthone (ITX) in milk by high-performance liquid chromatography/tandem mass spectrometry

Bolanos PP, Moreno JLF, Shtereva DD, Frenich AG\*, Vidal JLM// \*Univ Almeria, Dept Anal Chem, ES-04071 Almeria, Spain  
*Rapid Commun Mass Spectrom* 2007 **21** (14) 2282

Development and validation of a multiresidue method for the analysis of 151 pesticide residues in strawberry by gas chromatography coupled to a triple quadrupole mass analyzer

Cao LM, Lin H, Mirsky VM\*// \*Univ Regensburg, Inst Anal Chem Chemo- & Biosensors, DE-93040 Regensburg, Germany  
*Anal Bioanal Chem* 2007 **388** (1) 253

Detection of antibiotics in food: Extraction of fluoroquinolones by DNA

Chen S, Shi L, Shan Z, Hu Q\*// \*Nanjing Agr Univ, Coll Food Sci & Technol, Key Lab Food Proc & Qual Control, 1 Weigang Rd, CN-210095 Nanjing, Jiangsu, Peoples Rep China  
*Food Chem* 2007 **104** (3) 1315

Determination of organochlorine pesticide residues in rice and human and fish fat by simplified two-dimensional gas chromatography

Chen T, Chen G\*// \*University Fuzhou, Department Chemistry, MoE Key Lab Anal & Detection Technol Food Saf, CN-350002 Fuzhou, Fujian, Peoples Rep China  
*Rapid Commun Mass Spectrom* 2007 **21** (12) 1848

Identification and quantitation of pyrethroid pesticide residues in vegetables by solid-phase extraction ionization ion trap mass spectrometry

Cunha SC, Lehotay SJ\*, Mastovska K, Fernandes JO, Beatriz M, Oliveira PP// \*US Dept Agric/ARS, ERRC, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA  
*J Sep Sci* 2007 **30** (4) 620

Evaluation of the QuEChERS sample preparation approach for the analysis of pesticide residues in olives

De Prada AGV, Loaiza OA, Serra B, Morales D, Martinez-Ruiz P, Reviejo AJ, Pingarron JM\*// \*Univ Complutense Madrid, Fac Chem, Dept Anal Chem, ES-28040 Madrid, Spain  
*Anal Bioanal Chem* 2007 **388** (1) 227

Molecularly imprinted polymer solid-phase extraction coupled to square wave voltammetry at carbon fibre microelectrodes for the determination of fenbendazole in beef liver

Eerola S, Hollebekkers K, Hallikainen A, Peltonen K\*// \*Finnish Natl Food Safety Authority, Chem & Toxicol Unit, Mustialankatu 3, FI-00790 Helsinki, Finland  
*Mol Nutr Food Res* 2007 **51** (2) 239

Acrylamide levels in Finnish foodstuffs analysed with liquid chromatography tandem mass spectrometry

Gilbert-Lopez B, Garcia-Reyes JF, Ortega-Barrales P, Molina-Diaz A\*, Fernandez-Alba AR// \*Univ Jaen, Dept Phys & Anal Chem, Campus Las Lagunillas, Edif B-3, ES-23071 Jaen, Spain  
*Rapid Commun Mass Spectrom* 2007 **21** (13) 2059

Analyses of pesticide residues in fruit-based baby food by liquid chromatography/electrospray ionization time-of-flight mass spectrometry

Grimalt S, Pozo OJ, Sancho JV, Hernandez F\*// \*Univ Jaume I, Res Inst Pesticides & Water, ES-12071 Castellon de la Plana, Spain  
*Anal Chem* 2007 **79** (7) 2833

Use of liquid chromatography coupled to quadrupole time-of-flight mass spectrometry to investigate pesticide residues in fruits

Guardia-Rubio M, Marchal-Lopez RM, Ayora-Canada MJ, Ruiz-Medina A\*// \*Univ Jaen, Fac Expt Sci, Dept Phys & Anal Chem, Paraje Lagunillas s/n, ES-23071 Jaen, Spain  
*J Chromatogr A* 2007 **1145** (1-2) 195

Determination of pesticides in olives by gas chromatography using different detection systems

Haglund P, Sparring S, Wiberg K, Bjorklund E// Umea Univ, Dept Chem, SE-90187 Umea, Sweden  
*Anal Chem* 2007 **79** (7) 2945

Shape-selective extraction of PCBs and dioxins from fish and fish oil using in-cell carbon fractionation pressurized liquid extraction

Jamin E, Chevolleau S, Touzet C, Tulliez J, Debrauwer L\*// \*INRA UMR 1089, Lab Xenobiot, BP 3, FR-31931 Toulouse, France  
*Anal Bioanal Chem* 2007 **387** (8) 2931

Assessment of metastable atom bombardment (MAB) ionization mass spectrometry for the fast determination of heterocyclic aromatic amines in cooked meat

Jimenez JJ, Bernal JL, Del Nozal MJ, Toribio L, Bernal JJ// University Valladolid, Fac Sci, Dept Anal Chem, Prado Magdalena s/n, ES-47005 Valladolid, Spain  
*J Sep Sci* 2007 **30** (4) 547

Use of SPE-GC/EIMS for residue analysis in wine elaborated from musts spiked with formulations of chlorpyrifos-methyl, methiocarb, dicofol, and cyproconazole

Kotonia CA, Liapis KS\*, Ziogas VN// \*Benaki Phytopathol Inst, Pesticide Residues Lab, GR-14561 Kifisia, Greece  
*Fresenius Environ Bull* 2007 **16** (3) 223

Determination of residues of 14 insecticides and metabolites in grapes and peaches by gas chromatography-mass spectrometry

Leandro CC, Hancock P, Fussell RJ\*, Keely BJ// \*Cent Sci Lab, York YO41 1LZ, England  
*J Chromatogr A* 2007 **1144** (2) 161

Ultra-performance liquid chromatography for the determination of pesticide residues in foods by tandem quadrupole mass spectrometry with polarity switching

Li XQ, Huo TM, Chu XG, Xu CL\*// \*Stn Yangtze Univ, Sch Food Sci & Technol, CN-214036 Wuxi, Jiangsu Prov, Peoples Rep China  
*Anal Sci* 2007 **23** (3) 321

Time-resolved fluoroimmunoassay for 19-nortestosterone residues in aquaculture tissues

Liu YL, Chen YR\*, Kim MS, Chan DE, Lefcourt AM// \*USDA, Instrumentat & Sensing Lab, Henry A Wallace Beltsville Agr Res Ctr, Beltsville, Md 20705, USA  
*J Food Eng* 2007 **81** (2) 412

Development of simple algorithms for the detection of fecal contaminants on apples from visible/near infrared hyperspectral reflectance imaging

Mikulikova R, Sobotova K// Res Inst Brewing & Malting Plc, Lipova 15, CZ-12044 Prague, Czech Republic  
*Acta Chim Slov* 2007 **54** (1) 98

Determination of acrylamide in malt with GC/MS

Sannino A// Stazione Sperimentale Ind Conserve Alimentari, Viale F Tanara 31/A, IT-43100 Parma, Italy  
*Rapid Commun Mass Spectrom* 2007 **21** (13) 2079

Determination of three natural pesticides in processed fruit and vegetables using high-performance liquid chromatography/tandem mass spectrometry

Thriveni T, Kumar JR, Sujatha D, Sreedhar NY\*// \*Sri Venkateswara Univ, Dept Chem, Electrochem Lab, IN-517502 Tirupati, Andhra Pradesh, India  
*Food Chem* 2007 **104** (3) 1304

Voltammetric determination of the herbicides nitratin and oryzalin in agricultural formulations, vegetables and grape juice samples

Wu YJ, Yu H, Wang YL, Huang LL, Tao YF, Chen DM, Peng DP, Liu ZL, Yuan ZH\*// \*Huazhong Agricultural Univ, Natl Reference Lab Vet Drug Residues, MoE Key Lab Food Safety Evaluat, CN-430070 Wuhan, Peoples Rep China  
*J Chromatogr A* 2007 **1146** (1) 1

Development of a high-performance liquid chromatography method for the simultaneous quantification of quinoxaline-2-carboxylic acid and methyl-3-quinoxaline-2-carboxylic acid in animal tissues

Xi YL, Dong HR\*// \*Beijing Univ Chem Technol, Coll Sci, CN-100029 Beijing, People Rep China  
*Anal Sci* 2007 **23** (3) 295

Application of solvent sublimation for the determination of organophosphorous pesticides in vegetables by gas chromatography with a flame photometric detector

## 9. Toxins/Allergens

Afonso C, Alfonso A, Pazos MJ, Vieytes MR, Yasumoto T, Milandri A, Poletti R, Botana LM\*// \*Univ Santiago de Compostela, Fac Vet, Dept Farmacol, ES-27002 Lugo, Spain  
*Anal Biochem* 2007 **363** (2) 228

Extraction and cleaning methods to detect yessotoxins in contaminated mussels

Choi KY, Hong KW\*// \*Dongguk Univ, Dept Food Sci & Technol, Seoul 100 715, South Korea  
*Food Sci Biotechnol* 2007 **16** (1) 67

Genomic DNA sequence of mackerel parvalbumin and a PCR test for rapid detection of allergenic mackerel ingredients in food

Engler-Blum G, Raiss C, Burgmaier-Thielert E// \*Chemische & Veterinaruntersuchungsamt Sigmaringen, Hedingerstrasse 2/1, DE-72488 Sigmaringen, Germany

*Dtsch Lebensm Rundsch* 2007 **103** (3) 101

Detection of allergens in food using real-time polymerase chain reaction and immunoassays: Sensitive methods for detection of peanut and hazelnut - A comparative approach (German, English Abstract)

Lobeau M, De Saeger S, Sibanda L, Barna-Vetro I, Van Peteghem C// University Ghent, Faculty Pharmaceutical Science, Lab Food Anal, BE-9000 Ghent, Belgium

*Food Addit Contam* 2007 **24** (4) 398

Application and validation of a clean-up tandem assay column for screening ochratoxin A in cocoa powder

Medina MB// USDA/ARS, Eastern Reg Res Ctr, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA

*J Rapid Methods Autom Microbiol* 2007 **15** (1) 33

Developing a fluorescent latex microparticle immunoassay using Alexa Fluor 568 for detection of staphylococcal enterotoxin A

Sanchez D, Tuckova L, Burkhard M, Plicka J, Mothes T, Hoffmanova I, Tlaskalova-Hogenova H// Acad Sci Czech Republ, Inst Microbiol, Dept Immunol, Videnska 1083, CZ-14220 Prague, Czech Republic

*J Agric Food Chem* 2007 **55** (7) 2627

Specificity analysis of anti-gliadin mouse monoclonal antibodies used for detection of gliadin in food for gluten-free diet

Sornyotha S, Kyu KL, Ratanakhanokchai K// \*King Mongkut's Univ Technol Thonburi, Sch Bioresources & Technol, Div Biochem Technol, Bangkoktein, TH-10150 Bangkok, Thailand

*Food Chem* 2007 **104** (4) 1750

Purification and detection of linamarin from cassava root cortex by high performance liquid chromatography

Yildirim HK, Uren A, Yucel U// Ege Univ, Dept Food Engr, TR-35100 Izmir, Turkey

*Food Technol Biotechnol* 2007 **45** (1) 62

Evaluation of biogenic amines in organic and non-organic wines by HPLC OPA derivatization

## 10. Additives

Cagnasso CE, Lopez LB\*, Rodriguez VG, Valencia ME// \*University Buenos Aires, Faculty Pharm & Biochem, Junin 956, AR-1113 Buenos Aires, DF, Argentina

*J Food Compos Anal* 2007 **20** (3-4) 248

Development and validation of a method for the determination of EDTA in non-alcoholic drinks by HPLC

Capitan-Vallvey LF, Ariza A, Checa R, Navas N// Univ Granada, Dept Anal Chem, Campus de Fuentenueva s/n, ES-18071 Granada, Spain

*Chromatographia* 2007 **65** (5-6) 283

Liquid chromatography-mass spectrometry determination of six 5-nitroimidazoles in animal feedstuff

Techakriengkrai I, Surakarnkul R// Ramkhamhang Univ, Fac Sci, Dept Food Technol, Div Alcohol Beverage Anal, KM Bldg, TH-10240 Bangkok, Thailand

*J Food Compos Anal* 2007 **20** (3-4) 220

Analysis of benzoic acid and sorbic acid in Thai rice wines and distillates by solid-phase sorbent extraction and high-performance liquid chromatography

Vestergaard C, Andersen BL, Adler-Nissen J// \*Tech Univ Denmark, Food Prod Engr Grp, Bioctr-DTU, Soltofts Plads 221, DK-2800 Lyngby, Denmark

*Meat Sci* 2007 **76** (2) 258

Sodium diffusion in cured pork determined by <sup>22</sup>Na radiology

Vickers PJ, Braybrook J, Lawrence P, Gray K// Lab Govt Chemist, Queens Rd, Teddington TW11 0LY, England

*J Food Compos Anal* 2007 **20** (3-4) 252

Detecting tartrate additives in foods: Evaluating the use of capillary electrophoresis

Vincent U, Gizzi G, Von Holst C\*, De Jong J, Michard J// \*European Commiss Joint Res Ctr, Inst Reference Mat & Measurements, Food Safety & Qual Unit, BE-2440 Geel, Belgium

*Food Addit Contam* 2007 **24** (4) 351

Validation of an analytical method for the determination of spiramycin, virginiamycin and tylosin in feeding-stuffs by thin-layer chromatography and bio-autography

## 11. Flavours & aromas

Aprèa E, Biasioli F, Mark TD, Gasperi F// IASMA Res Ctr, Agri-Food Qual Dept, Via E Mach 1, IT-38010 San Michele all'Adige, TN, Italy

*Int J Mass Spectrom* 2007 **262** (1-2) 114

PTR-MS study of esters in water and water/ethanol solutions: Fragmentation patterns and partition coefficients

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