

## Bibliography of analytical, nutritional and clinical methods

(4 weeks journals. Search completed at 11th Jan. 2006)

### 1. Books, reviews & symposia

Carabias-Martinez R, Rodríguez-Gonzalo E\*, Revilla-Ruiz P, Hernandez-Mendez J// \*Univ Salamanca, Fac Quim, Dept Quim Analit Nutr & Bromatol, Plaza Merced s/n, ES-37008 Salamanca, Spain  
*J Chromatogr A* 2005 **1089** (1-2) 1

Pressurized liquid extraction in the analysis of food and biological samples

Hayasaka Y, Baldock GA, Pollnitz AP// Australian Wine Res Inst, POB 197, Glen Osmond, SA 5064, Australia

*Aust J Grape Wine Res* 2005 **11** (2) 188

Contributions of mass spectrometry in the Australian Wine Research Institute to advances in knowledge of grape and wine constituents

Herderich MJ, Smith PA// Australian Wine Res Inst, POB 197, Glen Osmond, SA 5064, Australia

*Aust J Grape Wine Res* 2005 **11** (2) 205

Analysis of grape and wine tannins: Methods, applications and challenges

### 2. General

Pionnier E, Semon E, Chabanet C, Salles C\*// \*Inst Natl Rech Agron, Unite Mixte ENESAD, 17 rue Sully, BP 86510, FR-21065 Dijon, France  
*Sci Aliment* 2005 **25** (3) 193

Evaluation of the solid phase microextraction (SPME) technique for the analysis of human breath during eating

### 3. Amino acids, proteins & enzymes

Albillos SM, Busto MD, Perez-Mateos M, Ortega N\*// \*Univ Burgos, Dept Biotechnol & Food Sci, Plaza Misael Banuelos s/n, ES-09001 Burgos, Spain  
*J Agric Food Chem* 2005 **53** (15) 6094

Chemometrical analysis of capillary electrophoresis casein fractions for predicting ripening times of milk mixture cheese

Mamone G, Addeo F, Chianese L, Di Luccia A, De Martino A, Nappo A, Formisano A, De Vivo P, Ferranti P// Ist Sci Alimentazione-CNR, Via Roma 52 a/c, IT-83100 Avellino, Italy  
*Proteomics* 2005 **5** (11) 2859

Characterization of wheat gliadin proteins by combined two-dimensional gel electrophoresis and tandem mass spectrometry

Miguel M, Manso MA, Lopez-Fandino R, Ramos M\*// \*Inst Fermentacion Ind - CSIC, Juan Cierva 3, ES-28006 Madrid, Spain  
*Eur Food Res Technol* 2005 **221** (3-4) 542

Comparative study of egg white proteins from different species by chromatographic and electrophoretic methods

Potesil D, Petlova J, Adam V, Vacek J, Klejdus B, Zehnalek J, Trnkova L, Havel L, Kizek R\*// \*Mendel Univ Agr & Forestry, Dept Chem & Biochem, Zemedelska 1, CZ-61300 Brno, Czech Republic  
*J Chromatogr A* 2005 **1084** (1-2) 134

Simultaneous femtomole determination of cysteine, reduced and oxidized glutathione, and phytochelatin in maize (*Zea mays* L.) kernels using high-performance liquid chromatography with electrochemical detection

Ram S, Jain N, Dawar V, Singh RP, Shoran J// Directorate Wheat Res, IN-132001 Karnal, Haryana, India  
*Crop Sci* 2005 **45** (4) 1256

Analyses of acid-PAGE gliadin pattern of Indian wheats (*Triticum aestivum* L.) representing different environments and periods

Zhang WN, Liu DC// Wuhan Polytech Univ, Dept Food Sci, CN-430023 Wuhan, Peoples Rep China

*J AOAC Int* 2005 **88** (4) 1217

A new process for preparation of soybean protein concentrate with hexane-aqueous ethanol mixed solvents

### 4. Carbohydrates

Eberendu AR, Booth C, Luta G, Edwards JA, McAnalley BH// Mannatech Inc, 600 Sth Royal Lane, Coppell, TX 75019, USA

*J AOAC Int* 2005 **88** (4) 998

Quantitative determination of saccharides in dietary glyconutritional products by anion-exchange liquid chromatography with integrated pulsed amperometric detection

Fernandez Pierna JA, Volery P, Besson R, Baeten V, Dardenne P\*// \*Walloon Agr Res Ctr, Qual Agr Prod Dept, Chaussee Namur 24, BE-5030 Gembloux, Belgium

*J Agric Food Chem* 2005 **53** (17) 6581

Classification of modified starches by Fourier transform infrared spectroscopy using support vector machines

Zhou JZQ, Waszkuc T, Mohammed F// Now Natural Foods, Methods Dev Lab, 395 Sth Glen Ellyn Rd, Bloomingdale, IL 60108, USA

*J AOAC Int* 2005 **88** (4) 1048

Determination of glucosamine in raw materials and dietary supplements containing glucosamine sulfate and/or glucosamine hydrochloride by high-performance liquid chromatography with FMOCSu derivatization: Collaborative study

### 5. Lipids

Araujo P, Nguyen TT, Froyland L// Natl Inst Nutr & Seafood Res, Seafood & Hlth Res Grp, POB 2029, Nordnes, NO-5817 Bergen, Norway

*J Am Soc Mass Spectrom* 2005 **16** (3) 388

Chemometric approaches in calibration experiments of trilinolenoylglycerol by liquid chromatography ion-trap spectrometry

Baeten V, Pierna JAF, Dardenne P, Meurens M, Garcia-Gonzalez DL, Aparicio-Ruiz R// Walloon Agr Res Ctr, Qual Agr Prod Dept, Chaussee Namur 24, BE-5030 Gembloux, Belgium  
*J Agric Food Chem* 2005 **53** (16) 6201

Detection of the presence of hazelnut oil in olive oil by FT-Raman and FT-MIR spectroscopy

Coltro WKT, Ferreira MMC, Macedo FAF, Oliveira CC, Visentainer JV, Souza NE, Matsushita M\*// \*Univ Estadual Maringa, Dept Quim, Av Colombo 5790, BR-87020-900 Maringa, Parana, Brazil  
*Meat Sci* 2005 **71** (2) 358

Correlation of animal diet and fatty acid content in young goat meat by gas chromatography and chemometrics

Dodds ED, McCoy MR, Rea LD, Kennish JM\*// \*Univ Alaska, Dept Chem, 3211 Providence Dr, Anchorage, AK 99508, USA

*Eur J Lipid Sci Technol* 2005 **107** (7-8) 560

Proton transfer chemical ionization mass spectrometry of fatty acid methyl esters separated by gas chromatography: Quantitative aspects

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 Books, reviews & symposia; 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.

Hornero-Mendez D, Gandul-Rojas B, Minguez-Mosquera MI// \*Inst Grasa - CSIC, Dept Biotecnol Alimentos, Grp Quim & Bioquim Pigmentos, Av Padre Garcia Tejero 4, ES-41012 Seville, Spain

*Food Res Int* 2005 **38** (8-9) 1067

Routine and sensitive SPE-HPLC method for quantitative determination of pheophytin *a* and pyropheophytin *a* in olive oils

Meurens M, Baeten V, Yan SH, Mignolet E, Larondelle Y// Univ Catholique Louvain, Fac Ingén Biol Agron & Environm, Unite Biochim Nutr, Croix Sud 2, Bte 8, BE-1348 Louvain, Belgium

*J Agric Food Chem* 2005 **53** (15) 5831

Determination of the conjugated linoleic acids in cow's milk fat by Fourier transform Raman spectroscopy

Mondello L, Tranchida PQ, Stanek V, Jandera P, Dugo G, Dugo P// \*Univ Messina, Fac Sci MM.FF.NN, Dipt Chim Organ & Biol, Salita Sperone, IT-98166 Messina, Italy

*J Chromatogr A* 2005 **1086** (1-2) 91

Silver-ion reversed-phase comprehensive two-dimensional liquid chromatography combined with mass spectrometric detection in lipidic food analysis

## 6. Vitamins & co-factors

Castan S, Villard C, Jakob S, Puigserver A, Ajandouz E// \*Fac Sci & Tech St Jerome, Inst Mediterranen Rech & Nutr, INRA UMR 1111, FR-13397 Marseille, France

*J Chromatogr B* 2005 **822** (1-2) 339

A fast, sensitive method for the simultaneous determination of  $\alpha$ -tocopherol and  $\alpha$ -tocopheryl acetate in mixed micelles

Haughey SA, O'Kane AA, Baxter GA, Kalman A, Trisconi MJ, Indyk HE, Watene GA// XenoSense Ltd, Innovat Ctr, Unit 18, Nthn Ireland Sci Pk, Queens Rd, Belfast BT3 9DT, Northern Ireland

*J AOAC Int* 2005 **88** (4) 1008

Determination of pantothenic acid in foods by optical biosensor immunoassay

Hermans N, Cos P, Berghe DV, Vlietinck AJ, De Bruyne T// Univ Antwerp, Dept Pharmaceut Sci, Lab Bromatol, Universiteitspl 1, BE-2610 Antwerp, Belgium

*J Chromatogr B* 2005 **822** (1-2) 33

Method development and validation for monitoring *in vivo* oxidative stress: Evaluation of lipid peroxidation and fat-soluble vitamin status by HPLC in rat plasma

Liu BS, Liu ZC, Jing G// Hebei Univ, Hebei Prov Key Lab Analyt Sci & Technol, Ctr Phys & Chem, CN-071002 Baoding, Peoples Rep China

*Anal Lett* 2005 **38** (9) 1367

Fluorescence resonance energy transfer between acridine orange and rhodamine B and analytical application on determination of vitamin B<sub>12</sub>

Maunsell Z, Wright DJ, Rainbow SJ// \*NW London Hosp NHS Trust, Northwick Pk Hosp, Dept Clin Biochem, Watford Rd, Harrow HA1 3UL, England

*Clin Chem* 2005 **51** (9) 1683

Routine isotope-dilution liquid chromatography-tandem mass spectrometry assay for simultaneous measurement of the 25-hydroxy metabolites of vitamins D<sub>2</sub> and D<sub>3</sub>

Murao N, Ohishi N, Nabuchi Y, Ishigai M, Kawanishi T, Aso Y// Chugai Pharmaceut Co Ltd, Fuji Gotemba Res Labs, 1-135 Komakado, Shizuoka 412 8513, Japan

*J Chromatogr B* 2005 **823** (2) 61

The determination of 2 $\beta$ -(3-hydroxypropoxy)-1 $\alpha$ -,25-dihydroxy vitamin D<sub>3</sub> (ED-71) in human serum by high-performance liquid chromatography-electrospray tandem mass spectrometry

Strazisar M, Fir M, Golc-Wondra A, Milivojevic L, Prosek M\*, Abram V// \*Natl Inst Chem, Hajdrihova 19, Ljubljana, Slovenia

*J AOAC Int* 2005 **88** (4) 1020

Quantitative determination of coenzyme Q<sub>10</sub> by liquid chromatography and liquid chromatography/mass spectrometry in dairy products

Van Landeghem BAJ, Puts J, Claessens HA// \*Tech Univ Eindhoven, Dept Chem & Chem, Lab Polymer Chem, POB 513 Helix, STW 1.35, NL-5600 MB Eindhoven, The Netherlands

*J Chromatogr B* 2005 **822** (1-2) 316

The analysis of thiamin and its derivatives in whole blood samples under high pH conditions of the mobile phase

## 7. Trace elements & minerals

Garcia JCR, Garcia JB, Latorre CH\*, Martin SG, Crecente RMP// \*Univ Santiago de Compostela, Fac Ciencias, Dept Quim Analit Nutr & Bromatol, ES-27002 Lugo, Spain

*J Agric Food Chem* 2005 **53** (17) 6616

Direct and combined methods for the determination of chromium, copper, and

nickel in honey by electrothermal atomic absorption spectroscopy

Julshamn K, Lea P, Norli HS// Natl Inst Nutr & Seafood Res - NIFES, POB 176 Sentrum, NO-5804 Bergen, Norway

*J AOAC Int* 2005 **88** (4) 1212

Determination of sodium in foods by flame atomic absorption spectrometry after microwave digestion: NMKL interlaboratory study

Kaplan MM, Cerutti S, Salonia JA, Gasquez JA, Martinez LD// \*Univ Nacl San Luis, Fac Quim Bioquim & Farm, Dept Quim Analit, POB 375, AR-5700 San Luis, Argentina

*J AOAC Int* 2005 **88** (4) 1242

Preconcentration and determination of tellurium in garlic samples by hydride generation atomic absorption spectrometry

Miksa IR, Buckley CL, Carpenter NP, Poppenga RH// Univ Penn Sch Vet Med, Dept Pathobiol, 382 West St Rd, Kennett Square, Pa 19348, USA

*J Vet Diagn Invest* 2005 **17** (4) 331

Comparison of selenium determination in liver samples by atomic absorption spectroscopy and inductively coupled plasma-mass spectrometry

Simpson LA, Hearn R, Merson S, Catterick T// Thermo Electron Corp, Elemental Anal, SOLAAR Hse, Cambridge CB5 8BZ, England

*Talanta* 2005 **65** (4) 900

A comparison of double-focusing sector field ICP-MS, ICP-OES and octopole collision cell ICP-MS for the high-accuracy determination of calcium in human serum

Tarley CRT, Arruda MAZ// \*UNICAMP, Inst Chem, Dept Analyt Chem, POB 6154, BR-13084-971 Campinas, SP, Brazil

*Anal Lett* 2005 **38** (9) 1427

Online coupling of a flow injection system to TS-FF-AAS for preconcentration and determination of lead in water and vegetables

## 8. Drug, biocide & processing residues

Agustin MRR, Park HM, Hong SM, Ryu JC, Lee KB// \*Korea Inst Sci & Technol, Adv Anal Ctr, POB 131, Seoul 130 650, South Korea

*J Chromatogr A* 2005 **1085** (2) 278

Determination of mono- to octachlorobiphenyls in fish oil using Florisil adsorption followed by headspace solid-phase microextraction and gas chromatography with time-of-flight mass spectrometric detection

Ahmed N, Mirshekar-Syahkal B, Kennish L, Karachalias N, Babaei-Jadidi R, Thornalley PJ// \*Univ Essex, Dept Sci Biol, Wivenhoe Pk, Colchester CO4 3SQ, England

*Mol Nutr Food Res* 2005 **49** (7) 691

Assay of advanced glycation endproducts in selected beverages and food by liquid chromatography with tandem mass spectrometric detection

Capurro E, Danaher M\*, Anastasio A, Cortesi ML, O'Keefe M// \*Teagasc, Natl Food Ctr, Dublin 15, Rep Ireland

*J Chromatogr B* 2005 **822** (1-2) 154

Efficient HPLC method for the determination of nicarbazin, as dinitro-carbanilide in broiler liver

Curylo J, Wardencki W// \*Gdansk Univ Technol, Fac Chem, Dept Analyt Chem, ul G Narutowicza 11-12, PL-80952 Gdansk, Poland

*Anal Lett* 2005 **38** (10) 1659

Determination of acetaldehyde and acrolein in raw spirits by capillary isotachopheresis after derivatization

Danielsson C, Wiberg K, Korytar P, Bergek S, Brinkman UAT, Haglund P// Umea Univ, Inst Environm Chem, Dept Chem, SE-90187 Umea, Sweden

*J Chromatogr A* 2005 **1086** (1-2) 61

Trace analysis of polychlorinated dibenzo-*p*-dioxins, dibenzofurans and WHO polychlorinated biphenyls in food using comprehensive two-dimensional gas chromatography with electron-capture detection

Eberhart BL, Ewald DK, Sanders RA\*, Tallmadge DH, Zyzak DV, Strothers MA// \*Procter & Gamble Co, Winton Hill Business Ctr, 6300 Ctr Hill Ave, Cincinnati, Oh 45224, USA

*J AOAC Int* 2005 **88** (4) 1205

Quantitation of acrylamide in food products by liquid chromatography mass spectrometry

Ekici P// Tech Univ Munich, Dept Chem Tech Anal, Res Ctr Weihenstephan Brewing & Food Qual, DE-85354 Freising Weihenstephan, Germany

*Fresenius Environ Bull* 2005 **14** (7) 637

Interpretation of analytical values from residue analyses of food samples

Focant JF, Eppe G, Scippo ML, Massart AC, Pirard C, Maghuin-Rogister G, De Pauw E// Univ Liege, Dept Chem, CART Mass Spect Lab, Allee Chim 3, B-6C Sart Tilman, BE-4000 Liege, Belgium

*J Chromatogr A* 2005 **1086** (1-2) 45

Comprehensive two-dimensional gas chromatography with isotope dilution time-of-flight mass spectrometry for the measurement of dioxins and polychlorinated biphenyls in foodstuffs - Comparison with other methods

Garcia I, Sarabia L, Cruz Ortiz M\*, Aldama JM// \*Univ Burgos, Fac Sci,

- Dept Chem, Pza Misael Banuelos s/n, ES-09001 Burgos, Spain  
*J Chromatogr A* 2005 **1085** (2) 190  
 Usefulness of D-optimal designs and multicriteria optimization in laborious analytical procedures - Application to the extraction of quinolones from eggs  
 Giannetti L, Barchi D, Fiorucci F, Gennuso E, Sanna P, Pallagrosi M, Neri B\*// \*Ist Zooprofilattico Sperimentale Reg Lazio & Toscana, Via Appia Nuova 1411, Rome, Italy  
*J Chromatogr Sci* 2005 **43** (7) 333  
 High-performance liquid chromatography-tandem mass spectrometry validation of medroxyprogesterone acetate in products of pork origin and serum  
 Gokmen V, Senyuva HZ, Acar J, Sarioglu K// Hacettepe Univ, Dept Food Engr, TR-06532 Ankara, Turkey  
*J Chromatogr A* 2005 **1088** (1-2) 193  
 Determination of acrylamide in potato chips and crisps by high-performance liquid chromatography  
 He JH, Hou XL, Jiang HY, Shen JZ\*// \*China Agr Univ, Coll Vet Med, Dept Pharmacol & Toxicol, CN-100094 Beijing, Peoples Rep China  
*J AOAC Int* 2005 **88** (4) 1099  
 Multiresidue analysis of avermectins in bovine liver by immunoaffinity column cleanup procedure and liquid chromatography with fluorescence detector  
 He LM, Liu YH, Zeng ZL, Huang XH, Liu R// Sth China Agr Univ, Ctr Vet Drug Residues, CN-510642 Guangzhou, Guangdong, Peoples Rep China  
*J AOAC Int* 2005 **88** (4) 1104  
 Determination of residual clopidol in chicken muscle by capillary gas chromatography/mass spectrometry  
 Heccegova A, Domotorova M, Matisova E, Kirchner M, Otrekal R, Stefuca V// Slovak Tech Univ, Fac Chem & Food Technol, Dept Analyt Chem, Radlinskeho 9, SK-81237 Bratislava, Slovakia  
*J Chromatogr A* 2005 **1084** (1-2) 46  
 Fast gas chromatography with solid phase extraction clean-up for ultratrace analysis of pesticide residues in baby food  
 Horvatovich P, Miesch M, Hasselmann C, Delinnee H, Marchioni E\*// \*Univ Strasbourg I, Fac Pharm, Lab Chim Analyt & Sci Aliment, UMR 7512, 74 rue Rhin, FR-67400 Illkirch Graffenstaden, France  
*J Agric Food Chem* 2005 **53** (15) 5836  
 Determination of monounsaturated alkyl side chain 2-alkylcyclobutanones in irradiated foods  
 Jalali-Heravi M, Vosough M// Sharif Univ Technol, Dept Chem, POB 11365-9516, Tehran, Iran  
*Anal Chim Acta* 2005 **537** (1-2) 89  
 Use of second-order calibration for residue screening of some triazines in the presence of coeluting interferences by gas chromatography-selected ion mass spectrometry  
 Kaufmann A, Maden K// Kantonales Lab, Official Food Control Author Canton Zurich, CH-8030 Zurich, Switzerland  
*J AOAC Int* 2005 **88** (4) 1118  
 Determination of 11 aminoglycosides in meat and liver by liquid chromatography with tandem mass spectrometry  
 Leandro CC, Fussell RJ\*, Keely BJ// \*DEFRA, Cent Sci Lab, York YO41 1LZ, England  
*J Chromatogr A* 2005 **1085** (2) 207  
 Determination of priority pesticides in baby foods by gas chromatography tandem quadrupole mass spectrometry  
 Martinez-Lopez S, Morales-Noe A, Pastor-Garcia A\*, Morales-Rubo A, De La Guardia M// \*Univ Valencia, Dept Analyt Chem, Res Bldg, 50 Dr Moliner St, ES-46100 Valencia, Spain  
*J AOAC Int* 2005 **88** (4) 1247  
 Sample preparation improvement in polycyclic aromatic hydrocarbons determination in olive oils by gel permeation chromatography and liquid chromatography with fluorescence detection  
 Mitrowska K, Posyniak A, Zmudzki J// Natl Inst Vet Res, Dept Pharmacol & Toxicol, Partyzantow 57, PL-24100 Pulawy, Poland  
*J Chromatogr A* 2005 **1089** (1-2) 187  
 Determination of malachite green and leucomalachite green in carp muscle by liquid chromatography with visible and fluorescence detection  
 Murillo Pulgarin JA, Garcia Bermejo LF, Rubio Aranda JA// Univ Castilla La Mancha, Reg Inst Appl Sci Res, ES-13071 Ciudad Real, Spain  
*J Agric Food Chem* 2005 **53** (17) 6609  
 Development of time-resolved chemiluminescence for the determination of antu in river water, wheat, barley and oat grain samples  
 Obana H, Furuta M, Tanaka Y// Osaka Prefectural Inst Publ Sci, 1-3-69 Nakamichi, Osaka 537 0025, Japan  
*J Agric Food Chem* 2005 **53** (17) 6603  
 Analysis of 2-alkylcyclobutanones with accelerated solvent extraction to detect irradiated meat and fish  
 Posyniak A, Mitrowska K, Zmudzki J, Niedzielska J// Natl Inst Vet Res, Dept Pharmacol & Toxicol, Partyzantow 57, PL-24100 Pulawy, Poland  
*J Chromatogr A* 2005 **1088** (1-2) 169  
 Analytical procedure for the determination of chlortetracycline and 4-epi-chlortetracycline in pig kidneys  
 Powley CR, Michalczyk MJ, Kaiser MA, Buxton LW// EI DuPont de Nemours & Co, Haskell Lab, POB 50, Newark, De 19714, USA  
*Analyst* 2005 **130** (9) 1299  
 Determination of perfluorooctanoic acid (PFOA) extractable from the surface of commercial cookware under simulated cooking conditions by LC/MS/MS  
 Rupp HS, Stuart JS, Hurlbut JA// US/FDA, Seafood Prod Res Ctr, 22201 23rd Dr SE, Bothell, Wa 98021, USA  
*J AOAC Int* 2005 **88** (4) 1155  
 Liquid chromatography/tandem mass spectrometry analysis of chloramphenicol in cooked crab meat  
 Sanchez R, Cortes JM, Villen J, Vazquez A\*// \*Univ Castilla La Mancha, Escuela Univ Magisterio Albacete, Dept Quim Fis, Campus Univ s/n, ES-02071 Albacete, Spain  
*J AOAC Int* 2005 **88** (4) 1255  
 Determination of organophosphorus and triazine pesticides in olive oil by on-line coupling reversed-phase liquid chromatography/gas chromatography with nitrogen-phosphorus detection and an automated through-oven transfer adsorption-desorption interface  
 Sancho JV, Ibanez M, Grimalt S, Pozo OJ, Hernandez F// Univ Jaume I, Expt Sci Dept, Avda Vicente Sos Baynat s/n, ES-12071 Castellon, Spain  
*Anal Chim Acta* 2005 **530** (2) 237  
 Residue determination of cyromazine and its metabolite melamine in chard samples by ion-pair liquid chromatography coupled to electrospray tandem mass spectrometry  
 Schneider MJ, Vazquez-Moreno L, Bermudez-Almada MD, Guardado RB, Ortega-Nieblas M// USDA/ARS, Eastern Reg Res Ctr, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA  
*J AOAC Int* 2005 **88** (4) 1160  
 Multiresidue determination of fluoroquinolones in shrimp by liquid chromatography-fluorescence-mass spectrometry  
 Soler C, Manes J, Pico Y// Univ Valencia, Fac Farm, Lab Bromatol & Toxicol, Av Vicent Andres Estelles s/n, ES-46100 Burjassot, Spain  
*J Chromatogr A* 2005 **1088** (1-2) 224  
 Routine application using single quadrupole liquid chromatography-mass spectrometry to pesticides analysis in citrus fruits  
 Tang B, Zhang JE, Zang LG, Zhang YZ, Li XY, Zhou L// Shandong Normal Univ, Coll Chem Chem Engr & Mat Sci, CN-250014 Jinan, Peoples Rep China  
*J Chromatogr Sci* 2005 **43** (7) 337  
 Determination of nine organophosphorus pesticides in cereals and kidney beans by capillary gas chromatography with flame photometric detection  
 Toussaint B, Chedin M, Vincent U, Bordin G, Rodriguez AR// Eur Commiss Joint Res Ctr, Inst Ref Mat & Measurements, 111 Retieseweg, BE-2240 Geel, Belgium  
*J Chromatogr A* 2005 **1088** (1-2) 40  
 Determination of (fluoro)quinolone antibiotic residues in pig kidney using liquid chromatography-tandem mass spectrometry Part II: Intercomparison exercise  
 Verdon E, Couedor P, Roudaut B, Sanders P// Agence Francaise Securite Sanitaire Aliments, Lab Etud & Rech Medicaments Vet & Disinfectants, FR-35302 Fougeres, France  
*J AOAC Int* 2005 **88** (4) 1179  
 Multiresidue method for simultaneous determination of ten quinolone antibacterial residues in multimatrix/multispecies animal tissues by liquid chromatography with fluorescence detection: Single laboratory validation study  
 Wang S, Yu CD, Wang JP// Tianjin Univ Sci & Technol, Fac Food Engr & Biotechnol, Tianjin Key Lab Food Nutr & Safety, CN-300222 Tianjin, Peoples Rep China  
*Food Addit Contam* 2005 **22** (8) 735  
 Enzyme immunoassay for the determination of carbaryl residues in agricultural products  
 Yang DK, Ding WH\*// \*Natl Cent Univ, Dept Chem, Chungli 32054, Taiwan  
*J Chromatogr A* 2005 **1088** (1-2) 200  
 Determination of alkylphenolic residues in fresh fruits and vegetables by extractive steam distillation and gas chromatography-mass spectrometry

## 9. Toxins/Allergens

- Biselli S, Hummert C// Wiertz Eggert Jorissen, Eurofins, Stenzelring 14b, DE-21107 Hamburg, Germany  
*Food Addit Contam* 2005 **22** (8) 752  
 Development of a multicomponent method for *Fusarium* toxins using LC-MS/MS and its application during a survey for the content of T-2 toxin and deoxynivalenol in various feed and food samples  
 Blesa J, Soriano JM\*, Molto JC, Manes J// \*Univ Valencia, Fac Pharm, Lab Food Chem & Toxicol, Av Vicent Andres Estelles s/n, ES-46100 Burjassot,

- Valencia, Spain  
*Bull Environ Contam Toxicol* 2005 **75** (1) 115  
 Analysis of aflatoxins in peeled peanuts by liquid chromatography and fluorescence detection
- Bogialli S, Bruno M, Curini R, Di Corcia A\*, Lagana A, Mari B// \*Univ Roma La Sapienza, Dipt Chim, Piazzale Aldo Moro 5, IT-00185 Rome, Italy  
*J Agric Food Chem* 2005 **53** (17) 6586  
 Simple assay for analyzing five microcystins and nodularin in fish muscle tissue: Hot water extraction followed by liquid chromatography-tandem mass spectrometry
- Finch SC, Wilkins AL, Hawkes AD, Jensen DJ, MacKenzie AL, Beuzenberg V, Quilliam MA, Olseng CD, Samdal IA, Aasen J, Selwood AI, Cooney JM, Sandvik M, Miles Co\*// \*AgRes, Ruakura Res Ctr, Private Bag 3123, Hamilton, New Zealand  
*Toxicol* 2005 **46** (2) 160  
 Isolation and identification of (44-R,S)-44,55-dihydroxyessotoxin from *Protocercarium reticulatum*, and its occurrence in extracts of shellfish from New Zealand, Norway and Canada
- Klotzel M, Schmidt S, Lauber U\*, Thielert G, Humpf HU// \*Chem & Vet Untersuchungsamt Stuttgart, Schaflandstr 3/2, DE-70736 Fellbach, Germany  
*Chromatographia* 2005 **62** (1-2) 41  
 Comparison of different clean-up procedures for the analysis of deoxynivalenol in cereal-based food and validation of a reliable HPLC method
- Lehner AF, Craig M, Fannin N, Bush L, Tobin T// Univ Kentucky, Livestock Dis Diagn Ctr, Lexington, Ky 40512, USA  
*J Mass Spectrom* 2005 **40** (11) 1484  
 Electrospray[+] tandem quadrupole mass spectrometry in the elucidation of ergot alkaloids chromatographed by HPLC: Screening of grass or forage samples for novel toxic compounds
- Liu Y, Walker F\*, Hoeglinger B, Buchenauer H// \*Univ Hohenheim, Inst Phytomed, Otto Sander Str 5, DE-70593 Stuttgart, Germany  
*J Agric Food Chem* 2005 **53** (17) 6864  
 Solvolysis procedures for the determination of bound residues of the mycotoxin deoxynivalenol in *Fusarium* species infected grain of two winter wheat cultivars preinfected with barley yellow dwarf virus
- Llovera M, Balcells M, Torres M, Canela R\*// \*Univ Lleida, Dept Chem, Rovira Roure 191, ES-25198 Lleida, Spain  
*J Agric Food Chem* 2005 **53** (17) 6643  
 Parallel synthesis: A new approach for developing analytical internal standards. Application to the analysis of patulin by gas chromatography-mass spectrometry
- MacDonald SJ, Chan D, Brereton P, Damant A, Wood R// Cent Sci Lab, Sand Hutton, York YO41 1LZ, England  
*J AOAC Int* 2005 **88** (4) 1197  
 Determination of deoxynivalenol in cereals and cereal products by immunoaffinity column cleanup with liquid chromatography: Interlaboratory study
- Marichamy S, Yigzaw Y, Gorton L, Mattiasson B// Lund Univ, Dept Biotechnol, POB 124, SE-22100 Lund, Sweden  
*J Sci Food Agric* 2005 **85** (12) 2027  
 Isolation of obligate anaerobic rumen bacteria capable of degrading the neurotoxin  $\beta$ -ODAP ( $\beta$ -N-oxaly-L- $\alpha$ , $\beta$ -diaminopropionic acid) as evaluated by a liquid chromatography/biosensor analysis system
- Rejeb SB, Abbott M, Davies D, Cleroux C, Delahaut P// Hlth Canada, Allergen Method Dev Program, Bureau Chem Safety, Ottawa, Ontario, Canada K1A 0L2  
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