

## Bibliography of analytical, nutritional and clinical methods

(6 weeks journals. Search completed at 4th Apr. 2007)

### 1. Reviews

- Am Soc Brew Chemist Subcommittee Report  
*J Am Soc Brew Chemist* 2006 **64** (4) 233  
Elemental analysis of beer and wort by inductively coupled plasma-atomic emission spectroscopy
- Am Soc Brew Chemist Subcommittee Report  
*J Am Soc Brew Chemist* 2006 **64** (4) 238  
Method for preparation of wort for color determination
- Am Soc Brew Chemist Subcommittee Report  
*J Am Soc Brew Chemist* 2006 **64** (4) 242  
Anton Paar Alcozyler for measurement of alcohol and original extract content in flavored alcohol beverages
- Am Soc Brew Chemist Subcommittee Report  
*J Am Soc Brew Chemist* 2006 **64** (4) 250  
Method for measure of resistance of oxidation in beer by electron paramagnetic resonance
- Brewery Convention Jpn Report  
*J Am Soc Brew Chemist* 2006 **64** (4) 252  
Determination of alcohol and real extract by Anton Paar Alcozyler
- Muller A, Steinhart H\*// \*University Hamburg, Institute Biochemistry & Food Chemistry, Department Food Chem, Grindelallee 117, DE-20146 Hamburg, Germany  
*Food Chem* 2007 **102** (2) 436  
Recent developments in instrumental analysis for food quality

### 2. General

- Iijima K, Suzuki K, Ozaki K, Kuriyama H, Kitagawa Y, Yamashita H// Asahi Breweries Ltd, Anal Technol Lab, 1-21, Midori 1-chome, Moriya-shi, Ibaraki, Japan  
*J Food Qual* 2006 **29** (5) 531  
DNA analysis for identification of food-associated foreign substances
- Luthria DL// USDA/ARS, Food Compos Lab, Beltsville Human Nutr Ctr, BARC E, Beltsville, Md 20705, USA  
*J Sci Food Agric* 2006 **86** (14) 2266  
Significance of sample preparation in developing analytical methodologies for accurate estimation of bioactive compounds in functional foods
- Vautz W, Zimmermann D, Hartmann M, Baumbach JI, Nolte J, Jung J// ISAS - Inst Anal Sci, Dept Metabolomics, Bunsen Kirchhoff Str 11, DE-44139 Dortmund, Germany  
*Food Addit Contam* 2006 **23** (11) 1064  
Ion mobility spectrometry for food quality and safety

### 3. Amino acids, proteins & enzymes

- Bonomo RCF, Minim LA\*, Coimbra JSR, Fontan RCI, Da Silva LHM, Minim VPR// \*Univ Fed Vicosas, Dept Food Technol, Process Separat Lab, Campus Universitario, Av PH Rolfs s/n, BR-36570-000 Vicosas, MG, Brazil  
*J Chromatogr B* 2006 **844** (1) 6  
Hydrophobic interaction adsorption of whey proteins: Effect of temperature and salt concentration and thermodynamic analysis

- Czerwenka C, Maier I, Pittner F, Lindner W// Univ Vienna, Inst Anal & Food Chem, Währinger Str 38, AT-1090 Vienna, Austria  
*J Agric Food Chem* 2006 **54** (23) 8874  
Investigation of the lactosylation of whey proteins by liquid chromatography-mass spectrometry
- Hynek R, Svensson B, Jensen ON, Barkholt V, Finnie C\*// \*Tech Univ Denmark, Enzyme & Prot Chem Grp, Bioctr-DTU, Soltofts Plads, Bldg 224, DK-2800 Lyngby, Denmark  
*J Proteome Res* 2006 **5** (11) 3105  
Enrichment and identification of integral membrane proteins from barley aleurone layers by reversed-phase chromatography, SDS-PAGE, and LC-MS/MS
- Martinez I, Slizyte R, Dauksas E// SINTEF Fisheries & Aquacult Ltd, Dept Process Technol, NO-7465 Trondheim, Norway  
*Food Chem* 2007 **102** (2) 504  
High resolution two-dimensional electrophoresis as a tool to differentiate wild from farmed cod (*Gadus morhua*) and to assess the protein composition of klipfish
- Ocana MF, Fraser PD, Patel RKP, Halket JM, Bramley PM\*// \*Royal Holloway Univ London, Sch Biol Sci, Egham TW20 0EX, England  
*Rapid Commun Mass Spectrom* 2007 **21** (3) 319  
Mass spectrometric detection of CP4 EPSPS in genetically modified soya and maize
- Ozcan S, Senyuva HZ\*// \*Sci & Tech Res Council Turkey, Ankara Test & Anal Lab, TR-06330 Ankara, Turkey  
*J Chromatogr A* 2006 **1135** (2) 179  
Improved and simplified liquid chromatography/atmospheric pressure chemical ionization mass spectrometry method for the analysis of underivatized free amino acids in various foods
- Quiros A, Ramos M, Muguerza B, Delgado MA, Martin-Alvarez PJ, Aleixandre A, Recio I\*// \*Inst Fermentaciones Ind - CSIC, Juan de la Cierva 3, ES-28006 Madrid, Spain  
*J Dairy Sci* 2006 **89** (12) 4527  
Determination of the antihypertensive peptide LHLPLP in fermented milk by high-performance liquid chromatography-mass spectrometry
- Yuan W, Zhao GF, Dong XY, Sun Y\*// \*Tianjin Univ, Sch Chem Engn & Technol, Dept Biomed Engn, CN-300072 Tianjin, Peoples Rep China  
*J Sep Sci* 2006 **29** (15) 2383  
High-capacity purification of hen egg-white proteins by ion-exchange electrochromatography with an oscillatory transverse electric field

### 4. Carbohydrates

- De la Fuente E, Sanz ML\*, Martinez-Castro I, Sanz J// \*Inst Quim Organ Gen - CSIC, Juan Cierva 3, ES-28006 Madrid, Spain  
*J Chromatogr A* 2006 **1135** (2) 212  
Development of a robust method for the quantitative determination of disaccharides in honey by gas chromatography
- Hilz H, De Jong LE, Kabel MA, Schols HA, Voragen AGJ\*// \*Univ Wageningen & Res Ctr, Dept Agrotechnol & Food Sci, Food Chem Lab, POB 8129, NL-6700 EV Wageningen, The Netherlands  
*J Chromatogr A* 2006 **1133** (1-2) 275  
A comparison of liquid chromatography, capillary electrophoresis, and mass spectrometry methods to determine xyloglucan structures in black currants

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.

Hunter JL, Thomas AGA, De Haseth JA, Wicker L\*// \*Univ Georgia, Dept Food Sci & Technol, Athens, Ga 30602, USA  
*J Food Qual* 2006 **29** (5) 479  
 Valencia orange pectinmethylesterase modified pectin characterized by Fourier transform infrared spectroscopy, charge fractionation and gelling

## 5. Lipids

Brufau G, Codony R, Canela MA, Rafecas M\*// \*Univ Barcelona, Dept Nutr & Food Sci, Avda Joan XXIII s/n, ES-08028 Barcelona, Spain  
*Chromatographia* 2006 **64** (9-10) 559

Rapid and quantitative determination of total sterols of plant and animal origin in liver samples by gas chromatography

Byrdwell WC, Perry RH// USDA/ARS, BHNRC, FCL, Beltsville, Md 20705, USA

*J Chromatogr A* 2006 **1133** (1-2) 149

Liquid chromatography with dual parallel mass spectrometry and <sup>31</sup>P nuclear magnetic resonance spectroscopy for analysis of sphingomyelin and dihydro-sphingomyelin - I. Bovine brain and chicken egg yolk

Cao Y, Gao HL, Chen JN, Chen ZY, Yang L\*// \*Henan Normal Univ, Coll Chem & Environm Sci, CN-453007 Xinxiang, Peoples Rep China

*J Agric Food Chem* 2006 **54** (24) 9004

Identification and characterization of conjugated linolenic acid isomers by Ag<sup>+</sup>-HPLC and NMR

Caponio F, Gomes T, Pasqualone A, Summo C// Univ Bari, Dipt Progettazione & Gestione Sistemi Agro-Zootecnici & Forestali, Via Amendola 165/a, IT-70126 Bari, Italy

*Food Chem* 2007 **102** (1) 232

Use of the high performance size exclusion chromatography analysis for the measurement of the degree of hydrolytic and oxidative degradation of the lipid fraction of biscuits

Fankhauser-Noti A, Grob K\*// \*Official Food Control Authority Canton Zurich, POB 8032, CH-8032 Zurich, Switzerland

*J Sep Sci* 2006 **29** (15) 2365

Injector-internal thermal desorption from edible oils performed by programmed temperature vaporizing (PTV) injection

Kemppinen A, Kalo P// Univ Helsinki, Dept Food Technol, POB 66, FI-00014 Helsinki, Finland

*J Chromatogr A* 2006 **1134** (1-2) 260

Quantification of triacylglycerols in butterfat by gas chromatography-electron impact mass spectrometry using molar correction factors for [M-RCOO]<sup>+</sup> ions

Matos LC, Cunha SC, Amaral JS, Pereira JA, Andrade PB, Seabra RM, Oliveira BPP\*// \*Univ Porto, Fac Farm, Serv Bromatol, REQUIMTE, Rua Anibal Cunha 164, PT-4099-030 Porto, Portugal

*Food Chem* 2007 **102** (1) 406

Chemometric characterization of three varietal olive oils ( cvs. Cobrançosa, Madural and Verdeal Transmontana) extracted from olives with different maturation indices

Naviglio D, Romano R, Pizzolongo F, Santini A, Vito AD, Schiavo L, Nota G, Musso SS// Univ Napoli Federico II, Dept Food Sci, Via Universita 100, IT-80055 Portici, Naples, Italy

*Food Chem* 2007 **102** (1) 399

Rapid determination of esterified glycerol and glycerides in triglyceride fats and oils by means of periodate method after transesterification

Poulli KI, Mousdis GA, Georgiou CA\*// \*Agr Univ Athens, Chem Lab, 75 Iera Odos, GR-11855 Athens, Greece

*Anal Bioanal Chem* 2006 **386** (5) 1571

Synchronous fluorescence spectroscopy for quantitative determination of virgin olive oil adulteration with sunflower oil

Zhang H, Mu HL, Xu XB// Tech Univ Denmark, Bioctr-DTU, Bldg 227, DK-2800 Lyngby, Denmark

*Anal Bioanal Chem* 2006 **386** (6) 1889

Monitoring lipase-catalyzed butterfat interesterification with rapeseed oil by Fourier transform near-infrared spectroscopy

## 6. Vitamins & co-factors

Ajandouz EH, Castan S, Jakob S, Puigserver A// Univ Paul Cezanne Aix Marseille III, Fac Sci & Tech St Jerome, INRA-UMR 1111, Inst Mediterranee Recherche & Nutr, FR-13397 Marseille 20, France

*J Chromatogr Sci* 2006 **44** (10) 631

A fast, sensitive HPLC method for the determination of esterase activity on  $\alpha$ -tocopheryl acetate

Erdurak-Kilic CS, Uslu B, Dogan B, Ozgen U, Ozhan SA, Coskun M// Hacettepe Univ, Fac Pharm, Dept Pharmaceut Bot, TR-06100 Ankara, Turkey

*J Anal Chem Engl Tr* 2006 **61** (11) 1113

Anodic voltammetric behavior of ascorbic acid and its selective determination in pharmaceutical dosage forms and some *Rosa* species of Turkey

Gonzalez-Martin I, Hernandez-Hierro JM, Bustamante-Rangel M, Barros-Ferreiro N// Universidad Salamanca, Facultad Ciencias Quim, Departamento Quim Analit Nutricion & Bromatol, Plaza Merced s/n, ES-37008 Salamanca, Spain

*Anal Bioanal Chem* 2006 **386** (5) 1553

Near-infrared spectroscopy (NIRS) reflectance technology for the determination of tocopherols in alfalfa

Nelson BC, Sharpless KE, Sander LC// Natl Inst Stand & Technol, Div Anal Chem, Gaithersburg, Md 20899, USA

*J Agric Food Chem* 2006 **54** (23) 8710

Improved liquid chromatography methods for the separation and quantification of biotin in NIST standard reference material 3280: Multivitamin/multielement tablets

Urbanek L, Krcmova L, Solichova D\*, Melichar B, Opletalova V, Solich P// \*Univ Hosp, Dept Metab Care & Gerontol, CZ-50005 Hradec Kralove, Czech Republic

*J Sep Sci* 2006 **29** (16) 2485

Development and validation of a liquid chromatography method for the simultaneous determination of  $\alpha$ -tocopherol, retinol and retinyl esters in human serum using a monolithic column for the monitoring of anticancer therapy side effects

## 7. Trace elements & minerals

Alamin MB, Bejey AM, Kecera J, Mizera J// Tajoura Nucl Res Ctr, POB 30878, Tripoli, Libya

*J Radioanal Nucl Chem* 2006 **270** (1) 143

Determination of mercury and selenium in consumed food items in Libya using instrumental and radiochemical NAA

Butala SJM, Scanlan LP, Chaudhuri SN// Utah Dept Hlth, Div Epidemiol & Lab Serv, 46 Nth Med Dr, Salt Lake City, Ut 84113, USA

*J Food Prot* 2006 **69** (11) 2720

A detailed study of thermal decomposition, amalgamation/atomic adsorption spectrophotometry methodology for the quantitative analysis of mercury in fish and hair

Choudhury RP, Jain G, Garg AN// Indian Inst Technol, Dept Chem, IN-247667 Roorkee, India

*J Radioanal Nucl Chem* 2006 **270** (1) 187

Short irradiation instrumental neutron activation analysis of essential and trace elements in curry leaves (*Murraya koenigii*) and their organic constituents by GC-MS

Dural M, Goksu MZL, Ozak AA// Univ Mustafa Kemal, Fisheries Fac, TR-31040 Antakya, Turkey

*Food Chem* 2007 **102** (1) 415

Investigation of heavy metal levels in economically important fish species captured from the Tuzla lagoon

Intawongse M, Dean JR\*// \*Northumbria Univ, Sch Appl Sci, Ellison Bldg, Newcastle upon Tyne NE1 8ST, England

*Trends Anal Chem* 2006 **25** (9) 876

*In-vitro* testing for assessing oral bioaccessibility of trace metals in soil and food samples

Kelly MT, Blaise A// Univ Montpellier 1, UFR Sci Pharmaceut & Biol, UR 1083 Sci Enol, Ctr Format Rech Enol, Montpellier 5, France

*J Chromatogr A* 2006 **1134** (1-2) 74

Validation and evaluation of a high performance liquid chromatographic method for the determination of aluminium in wine

Moreira S, Vives AES, Zucchi OLAD, De Jesus EFO, Nascimento VF, Brienza SMB// Univ Estadual Campinas, FEC, POB 6021, BR-13083-852 Campinas, Brazil

*J Radioanal Nucl Chem* 2006 **270** (1) 167

Analysis of beers from Brazil with synchrotron radiation total reflection X-ray fluorescence

Nyarko BJB, Akaho EHK, Fletcher JJ, Zwicker B, Chatt A// Dalhousie Univ, Dept Chem, SLOWPOKE-2 Facility, Trace Anal Res Ctr, Halifax, Nova Scotia, Canada B3H 4J3

*J Radioanal Nucl Chem* 2006 **270** (1) 243

Simultaneous determination of short-to-medium lived nuclides in Ghanaian food items using INAA and Compton suppression counting

Santos LGC, Fernandes EAN, Bacchi MA, Tagliaferro FS, Tsai SM// Centro Energia Nucl Agric-CENA/Univ Sao Paulo, POB 96, BR-13400-970 Piracicaba, Brazil

*J Radioanal Nucl Chem* 2006 **270** (1) 249

Evaluation of conventional and organic beans by instrumental neutron activation analysis

Scheibel V, Appoloni CR, Schechter H// State Univ Londrina, Dept Phys, CCE, CP 6001, BR-86051-990 Londrina, Brazil

*J Radioanal Nucl Chem* 2006 **270** (1) 163

Natural radioactivity traces in South-Brazilian cereal flours by gamma-ray spectrometry

- Shiowatana J, Purawatt S, Sottimai U, Taebunpakul S, Siripinyanond A// Mahidol University, Fac Sci, Dept Chem, Rama VI Rd, TH-10400 Bangkok, Thailand  
*J Agric Food Chem* 2006 **54** (24) 9010  
Enhancement effect study of some organic acids on the calcium availability of vegetables: Application of the dynamic *in vitro* simulated gastrointestinal digestion method with continuous-flow dialysis
- Vives AES, Moreira S, Brienza SMB, Zucchi OLA, Nascimento VF// UNIMEP/FEAU, Rodovia Santa Barbara d'Oeste-Iracemapolis km 1, BR-13450-000 Santa Barbara d'Oeste, SP, Brazil  
*J Radioanal Nucl Chem* 2006 **270** (1) 147  
Synchrotron radiation total reflection X-ray fluorescence (SR-TXRF) for evaluation of food contamination
- Vives AES, Moreira S, Brienza SMB, Zucchi OLAD, Nascimento VF// UNIMEP/FEAU, Rodovia Santa Barbara d'Oeste-Iracemapolis km 1, BR-13450-000 Santa Barbara d'Oeste, SP, Brazil  
*J Radioanal Nucl Chem* 2006 **270** (1) 231  
Analysis of fish samples for environmental monitoring and food safety assessment by synchrotron radiation total reflection X-ray fluorescence
- Yang L, Ciceri E, Mester Z, Sturgeon RE// Natl Res Council Canada, Inst Natl Measurement Stand, Ottawa, Ontario, Canada K1A 0R6  
*Anal Bioanal Chem* 2006 **386** (6) 1673  
Application of double-spike isotope dilution for the accurate determination of Cr(III), Cr(VI) and total Cr in yeast
- Yip YC, Chu HS, Chan KC, Chan KK, Cheung PY, Sham WC// Ho Man Tin Govt Offices, Govt Lab, 88 Chung Hau St, Kowloon, Hong Kong, Peoples Rep China  
*Anal Bioanal Chem* 2006 **386** (5) 1475  
Determination of cadmium in oyster tissue isotope dilution inductively coupled plasma mass spectrometry: Comparison of results obtained in the standard and He/H<sub>2</sub> cell modes
- Yu HY, Xu HR, Ying YB\*, Xie LJ, Zhou Y, Fu XP// \*Zhejiang University, College Biosystem Engineering & Food Sci, CN-310029 Hangzhou, Peoples Rep China  
*Trans ASAE* 2006 **49** (5) 1463  
Prediction of trace metals in Chinese rice wine by Fourier transform near-infrared spectroscopy
- ## 8. Drug, biocide & processing residues
- Amakura Y// Matsuyama Univ, Matsuyama, Ehime 790 8578, Japan  
*J Food Hyg Soc Jpn* 2006 **47** (5) J318  
Contamination levels of dioxins in foods and cleanup methods for the determination (Japanese, English Abstract)
- Benetti C, Piro R, Binato G, Angeletti R, Biancotto G// Ist Zooprofilattico Sperimentale Venetie, Viale Universita 10, IT-35020 Legnaro, PD, Italy  
*Food Addit Contam* 2006 **23** (11) 1099  
Simultaneous determination of lincomycin and five macrolide antibiotic residues in honey by liquid chromatography coupled to electrospray ionization mass spectrometry (LC-MS/MS)
- Berendsen BJA, Van Rhijn JA// RIKILT - Inst Food Safety, Bornsesteeg 45, POB 230, NL-6700 AE Wageningen, The Netherlands  
*Food Addit Contam* 2006 **23** (11) 1141  
Residue analysis of tetracyclines in poultry muscle: Shortcomings revealed by a proficiency test
- Biedermann M, Grob K// \*Official Food Control Authority Canton Zurich, POB 8032, CH-8032 Zurich, Switzerland  
*Chromatographia* 2006 **64** (9-10) 543  
GC method for determining polyadipate plasticizers in foods: Transesterification to dibutyl adipate, conversion to migrating polyadipate
- Brenn-Struckhoffova Z, Cichna-Markl M// \*Univ Vienna, Dept Anal & Food Chem, Wahringer Str 38, AT-1090 Vienna, Austria  
*Food Addit Contam* 2006 **23** (11) 1227  
Determination of bisphenol A in wine by sol-gel immunoaffinity chromatography, HPLC and fluorescence detection
- Cerkvenik-Fajs V// Univ Ljubljana, Fac Vet, Inst Food Hyg & Bromatol, Gerbiceva 60, SI-1000 Ljubljana, Slovenia  
*Biomed Chromatogr* 2006 **20** (10) 985  
Performance characteristics of an analytical procedure for determining chloramphenicol residues in muscle tissue by gas chromatography-electron capture detection
- Cherlet M, De Backer P, Croubels S// University Ghent, Faculty Vet Medicine, Dept Pharmacol Pharm & Toxicol, Salisburylaan 133, BE-9820 Merelbeke, Belgium  
*J Chromatogr A* 2006 **1133** (1-2) 135  
Control of the keto-enol tautomerism of chlortetracycline for its straightforward quantitation in pig tissues by liquid chromatography-electrospray ionization tandem mass spectrometry
- Clemente M, Hermo MP, Barron D\*, Barbosa J// \*Univ Barcelona, Dept Anal Chem, Avda Diagonal 647, ES-08028 Barcelona, Spain  
*J Chromatogr A* 2006 **1135** (2) 170  
Confirmatory and quantitative analysis using experimental design for the extraction and liquid chromatography-UV, liquid chromatography-mass spectrometry and liquid chromatography-mass spectrometry/mass spectrometry determination of quinolones in turkey muscle
- Gallo P, Fabbrocino S, Vinci F, Fiori M, Danese V, Nasi A, Serpe L// Ist Zooprofilattico Sperimentale Mezzogiorno, Via Salute 2, IT-80055 Portici, NA, Italy  
*J Chromatogr Sci* 2006 **44** (10) 585  
Multi-residue determination of non-steroidal anti-inflammatory drug residues in animal serum and plasma by HPLC and photo-diode array detection
- Garrido-Frenich A, Romero-Gonzalez R\*, Martinez-Vidal JL, Plaza-Bolanos P, Cuadros-Rodriguez L, Herrera-Abdo MA// \*Univ Almeria, Dept Anal Chem, ES-04071 Almeria, Spain  
*J Chromatogr A* 2006 **1133** (1-2) 315  
Characterization of recovery profiles using gas chromatography-triple quadrupole mass spectrometry for the determination of pesticide residues in meat samples
- Gianguzza A, Mannino MR, Olivo A, Orecchio S// \*Univ Palermo, Dipt Chim Inorgan & Anal, Viale delle Scienze, Parco d'Orleans II, IT-90128 Palermo, Italy  
*Fresenius Environ Bull* 2006 **15** (9A) 1023  
Occurrence and concentration of PAHs in clams and sediments of the marine coastal lagoon of Ganzirri (Italy). Extraction, GC-MS analysis, distribution and sources
- Hamscher G, Limsuwan S, Tansakul N, Kietzmann M// Univ Vet Med Hannover, Inst Food Toxicol, Bischofsholer Damm 15, DE-30173 Hannover, Germany  
*J Agric Food Chem* 2006 **54** (24) 9017  
Quantitative analysis of tylosin in eggs by high performance liquid chromatography with electrospray ionization tandem mass spectrometry: Residue depletion kinetics after administration *via* feed and drinking water in laying hens
- Hirahara Y, Kimura M, Inoue T, Uchikawa S, Otani S, Hirose H, Suzuki S, Uchida Y// Ctr Inspect Imported Foods & Infect Dis, Kobe Quarantine Stn, 1-1 Toyohama cho, Hyogo ku, Kobe, Hyogo 652 0866, Japan  
*J Food Hyg Soc Jpn* 2006 **47** (5) 213  
Screening method for the determination of 199 pesticides in agricultural products by gas chromatography/ion trap mass spectrometry (GC/MS/MS) (Japanese, English Abstract)
- Hirahara Y, Kimura M, Inoue T, Uchikawa S, Otani S, Hirose H, Suzuki S, Uchida Y// Ctr Inspect Imported Foods & Infect Dis, Kobe Quarantine Stn, 1-1 Toyohama cho, Hyogo ku, Kobe, Hyogo 652 0866, Japan  
*J Food Hyg Soc Jpn* 2006 **47** (5) 225  
Applicability of GC, GC/MS and liquid chromatography with tandem mass spectrometry to screening for 140 pesticides in agricultural products (Japanese, English Abstract)
- Huang SP, Huang SD// \*Natl Tsing Hua Univ, Dept Chem, Hsinchu 30013, Taiwan  
*J Chromatogr A* 2006 **1135** (1) 6  
Dynamic hollow fiber protected liquid phase microextraction and quantification using gas chromatography combined with electron capture detection of organochlorine pesticides in green tea leaves and ready-to-drink tea
- Huq S, Garriques M, Kallury KMR// \*Phenomenex Inc, 411 Madrid Ave, Torrance, Ca 90501, USA  
*J Chromatogr A* 2006 **1135** (1) 12  
Role of zwitterionic structures in the solid-phase extraction based method development for clean up of tetracycline and oxytetracycline from honey
- Ishii R, Takahashi K, Horie M// Saitama Prefectural Inst Publ Hlth, 639-1 Kamiokubo, Sakura ku, Urawa, Saitama 338 0824, Japan  
*J Food Hyg Soc Jpn* 2006 **47** (5) 201  
Simultaneous determination of pesticide residues in crops by liquid chromatography with tandem mass spectrometry (Japanese, English Abstract)
- Kishida K// Kyushu Nutrition Welf Univ, Shimoitozu 5-1-1, Kokurakita ku, Kitakyushu, Fukuoka 803 8511, Japan  
*Food Control* 2007 **18** (4) 301  
Quantitation and confirmation of six sulphonamides in meat by liquid chromatography-mass spectrometry with photodiode array detection
- Kumar KS, Swaroop BL, Suvardhan K, Rekha D, Jayaraj B, Chiranjeevi P// \*Sri Venkateswara Univ, Dept Chem, Environm Monitoring Lab, IN-517502 Tirupati, India  
*Environ Monit Assess* 2006 **122** (1-3) 1  
Facile and sensitive spectrophotometric determination of synthetic pyrethroids in their formulations, water and grain samples
- Lara FJ, Garcia-Campana AM\*, Ales-Barrero F, Bosque-Sendra JM, Garcia-Ayuso LE// \*Univ Granada, Fac Sci, Dept Anal Chem, Av Fuentenueva s/n, ES-18071 Granada, Spain  
*Anal Chem* 2006 **78** (22) 7665  
Multiresidue method for the determination of quinolone antibiotics in bovine raw milk by capillary electrophoresis-tandem mass spectrometry

- Lee KC, Wu JL, Cai ZW\*// \*Hong Kong Baptist Univ, Dept Chem, Kowloon, Hong Kong, Peoples Rep China  
*J Chromatogr B* 2006 **843** (2) 247  
Determination of malachite green and leucomalachite green in edible goldfish muscle by liquid chromatography-ion trap mass spectrometry
- Li Y, Kim MR, Lee KB, Kim IS, Shim JH\*// \*Chonnam Natl Univ, Inst Agr Sci & Technol, Div Appl Biosci & Biotechnol, Kwangju 500 757, South Korea  
*Food Control* 2007 **18** (4) 364  
Determination of procymidone residues in ginseng by GC-ECD and GC-MS equipped with a solvent-free solid injector
- Martin-Calero A, Pino V, Ayala JH, Gonzalez V, Afonso AM\*// \*Univ La Laguna, Dept Anal Chem Nutr & Food Sci, Campus Anchieta, C/ Astrofisico Francisco Sanchez s/n, ES-38205 La Laguna, Spain  
*J Liq Chromatogr Relat Technol* 2007 **30** (1) 27  
Focused microwave-assisted extraction and HPLC with electrochemical detection to determine heterocyclic amines in meat extracts
- Mezcua M, Ferrer I, Hernando MD, Fernandez-Alba AR// Univ Almeria, Dept Anal Chem, Carretera Sacramento s/n, ES-04120 Almeria, Spain  
*Food Addit Contam* 2006 **23** (11) 1242  
Photolysis and photocatalysis of bisphenol A: Identification of degradation products by liquid chromatography with electrospray ionization/time-of-flight/mass spectrometry (LC/ESI/ToF/MS)
- Nakazawa H// Hoshi Univ, Fac Pharmaceut Sci, Dept Anal Chem, 2-4-41 Ebara, Shinagawa ku, Tokyo 142 8501, Japan  
*J Food Hyg Soc Jpn* 2006 **47** (5) J311  
Study of development of analytical methods of veterinary drugs and other chemicals in food (Japanese, English Abstract)
- Nielen MWF, Bovee TFH, Heskamp HH, Lasaroms JJP, Sanders MB, Van Rhijn JA, Groot MJ, Hoogenboom LAP// RIKILT - Inst Food Safety, Bornsesteeg 45, POB 230, NL-6700 AE Wageningen, The Netherlands  
*Food Addit Contam* 2006 **23** (11) 1123  
Screening for estrogen residues in calf urine: Comparison of a validated yeast estrogen bioassay and gas chromatography-tandem mass spectrometry
- Polzer J, Hackenberg R, Stachel C, Gowik P// Fed Inst Consumer Protect & Food Safety - BVL, EU & Natl Reference Lab Residues, Diederdsdorfer Weg 1, DE-12277 Berlin, Germany  
*Food Addit Contam* 2006 **23** (11) 1132  
Determination of chloramphenicol residues in crustaceans: Preparation and evaluation of a proficiency test in Germany
- Qian LL, He YZ\*, Hu YY// \*Univ Sci & Technol China, Dept Chem, CN-230026 Hefei, Anhui, Peoples Rep China  
*Spectrosc Lett* 2006 **39** (6) 581  
Determination of organophosphorus pesticide residues in vegetables by electrokinetic sequential injection analysis
- Soto-Chinchilla JJ, Garcia-Campana AM\*, Gamiz-Garcia L, Cruces-Blanco C// \*Univ Granada, Dept Anal Chem, Av Fuentenueva, ES-18071 Granada, Spain  
*Electrophoresis* 2006 **27** (20) 4060  
Application of capillary zone electrophoresis with large-volume sample stacking to the sensitive determination of sulfonamides in meat and ground water
- Sporring S, Von Holst C, Bjorklund E// Lund Univ, Dept Anal Chem, POB 124, SE-22100 Lund, Sweden  
*Chromatographia* 2006 **64** (9-10) 553  
Selective pressurized liquid extraction of PCBs from food and feed samples: Effects of high lipid amounts and lipid type on fat retention
- Teixido E, Santos FJ, Puignou L, Galceran MT\*// \*Univ Barcelona, Fac Quim, Dept Quim Anal, Marti i Franques 1-11, ES-08028 Barcelona, Spain  
*J Chromatogr A* 2006 **1135** (1) 85  
Analysis of 5-hydroxymethylfurfural in foods by gas chromatography-mass spectrometry
- Thomazini M, Contreras CJ\*, Miyagusk L// \*Univ Estadual Campinas, Fac Engn Alimentos, Dept Tecnol Alimentos, BR-13081-970 Campinas, SP, Brazil  
*Ital J Food Sci* 2006 **18** (3) 329  
Solid phase microextraction for the analysis of irradiated raw chicken thigh
- Thurman EM, Ferrer I, Malato O, Fernandez-Alba AR// Univ Almeria, Pesticide Residue Res Grp, Carretera Sacramento s/n, ES-04120 Almeria, Spain  
*Food Addit Contam* 2006 **23** (11) 1169  
Feasibility of LC/TOFMS and elemental database searching as a spectral library for pesticides in food
- Tribalat L, Paisse O, Dessalces G, Grenier-Loustalot MF\*// \*Serv Cent Analyse, CNRS-USR 059, Echangeur Solaize, BP 22, FR-69390 Vernaison, France  
*Anal Bioanal Chem* 2006 **386** (7-8) 2161  
Advantages of LC-MS-MS compared to LC-MS for the determination of nitrofurans residues in honey
- Ueno E// Aichi Prefectural Inst Publ Hlth, 7-6 Nagare, Kita ku, Nagoya, Aichi 462 8576, Japan  
*J Food Hyg Soc Jpn* 2006 **47** (5) J299  
Application of dual column GC for pesticide residues analysis in foods (Japanese, English Abstract)
- Uzer A, Ercag E, Parlar H, Apak R\*, Filik H// \*Istanbul Univ, Fac Engn, Dept Chem, TR-34320 Istanbul, Turkey  
*Anal Chim Acta* 2006 **580** (1) 83  
Spectrophotometric determination of 4,6-dinitro-*o*-cresol (DNOC) in soil and lemon juice
- Wang JH, Zhang YB, Wang XL// Shandong Exit & Entry Inspection & Quarantine Bureau, 70 Qutangxia Rd, CN-266002 Shandong, Peoples Rep China  
*J Sep Sci* 2006 **29** (15) 2330  
Determination of multiclass pesticide residues in apple juice by gas chromatography-mass spectrometry with large-volume injection
- Wang XP, Ding L\*, Zhang HR, Cheng JH, Yu AM, Zhang HQ, Liu L, Liu ZH, Li Y// \*Jilin Univ, Coll Chem, CN-130012 Changchun, Peoples R China  
*J Chromatogr B* 2006 **843** (2) 268  
Development of an analytical method for organotin compounds in fortified flour samples using microwave-assisted extraction and normal-phase HPLC with UV detection
- Xu CL, Chu XG, Peng CF, Liu LQ, Wang LY, Jin Z// Sthn Yangtze Univ, Sch Food Sci & Technol, CN-214036 Wuxi, Jiangsu, Peoples Rep China  
*Biomed Chromatogr* 2006 **20** (10) 1056  
Comparison of enzyme-linked immunosorbent assay with liquid chromatography-tandem mass spectrometry for the determination of diethylstilbestrol residues in chicken and liver tissues
- Zawiyah S, Che Man YB\*, Nazimah SAH, Chin CK, Tsukamoto I, Hamanyza AH, Norhaizan I// \*Univ Putra Malaysia, Fac Food Sci & Technol, Dept Food Technol, MY-43400 UPM Serdang, Selangor, Malaysia  
*Food Chem* 2007 **102** (1) 98  
Determination of organochlorine and pyrethroid pesticides in fruit and vegetables using SAX/PSA clean-up column
- Zeleny R, Ulberth F, Gowik P, Polzer J, Van Ginkel LA, Emons H// European Commiss, Inst Reference Mat & Measurements, DG Joint Res Ctr, Retiesweg 111, BE-2440 Geel, Belgium  
*Trends Anal Chem* 2006 **25** (9) 927  
Developing new reference materials for effective veterinary drug-residue testing in food-producing animals
- Zuidema T, Mulder PJP\*, Lasaroms JJP, Stappers S, Van Rhijn JA// \*RIKILT - Inst Food Safety, Bornsesteeg 45, NL-6708 PD Wageningen, The Netherlands  
*Food Addit Contam* 2006 **23** (11) 1149  
Can high-performance liquid chromatography coupled with fluorescence detection under all conditions be regarded as a sufficiently conclusive confirmatory method for B-group substances?

## 9. Toxins/Allergens

- Benilova IV, Soldatkin BP, Martelet C, Jaffrezic-Renault N// Natl Acad Sci Ukraine, Inst Mol Biol & Genet, Lab Biomol Elect, 150 Zabolotnogo Str, UA-03143 Kiev, Ukraine  
*Electroanalysis* 2006 **18** (19-20) 1950  
Nonfaradaic impedance probing of potato glycoalkaloids interaction with butyrylcholinesterase immobilized onto gold electrode
- Berthiller F, Werner U, Sulyok M, Krska R\*, Hauser MT, Schuhmacher R// \*Univ Nat Resources & Appl Life Sci, IFA Tulln, Dept Agrobiotechnol, Ctr Anal Chem, AT-3430 Tulln, Austria  
*Food Addit Contam* 2006 **23** (11) 1194  
Liquid chromatography coupled to tandem mass spectrometry (LC-MS/MS) determination of phase II metabolites of the mycotoxin zearalenone in the model plant *Arabidopsis thaliana*
- Boudra H, Morgavi DP// INRA - French Inst Agr Res, Clermont-Fd-Thaix Res Ctr, Herbivore Res Unit, FR-63122 St Genes-Champanelle, France  
*J Chromatogr B* 2006 **843** (2) 295  
Development and validation of a HPLC method for the quantitation of ochratoxins in plasma and raw milk
- Cavaliere C, Foglia P, Guarino C, Marzoni F, Nazzari M, Samperi R, Lagana A\*// \*Univ Roma La Sapienza, Dept Chem, Box 34 - Rome 62, Piazzale Aldo Moro 5, IT-00185 Rome, Italy  
*J Chromatogr A* 2006 **1135** (2) 135  
Aflatoxin M1 determination in cheese by liquid chromatography-tandem mass spectrometry
- Cook AC, Morris S, Reese RA, Irving SN// Weymouth Laboratory, Centre Environm Fisheries & Aquaculture Sci, Barrack Rd, Weymouth DT4 8UB, England  
*Toxicol* 2006 **48** (6) 662  
Assessment of fitness for purpose of an insect bioassay using the desert locust (*Schistocerca gregaria* L.) for the detection of paralytic shellfish toxins in shellfish flesh
- Dostalek P, Hochel I, Mendez E, Hernando A, Gabrovska D// Inst Chem Technol Prague, Technicka 5, Prague 6, Czech Republic  
*Food Addit Contam* 2006 **23** (11) 1074  
Immunochemical determination of gluten in malts and beers

- Gallo P, Salzillo A, Rossini C, Urbani V, Serpe L// Ist Zooprofilattico Sperimentale Mezzogiorno, Via Salute 2, IT-80055 Portici, NA, Italy  
*Ital J Food Sci* 2006 **18** (3) 251  
Aflatoxin M1 determination in milk: Method validation and contamination levels in samples from Southern Italy
- Gechtman C, Guidugli F, Marocchi A, Masarin A, Zoppi F// AO Osp Niguarda Ca' Granda, Dipt Med Lab, Milan, Italy  
*J Anal Toxicol* 2006 **30** (9) 683  
Unexpectedly dangerous escargot stew: Oleandrin poisoning through the alimentary chain
- Hauhl G, Berthiller F, Rechthaler J, Jaunecker G, Binder EM, Krška R\*, Schuhmacher R// \*Univ Nat Resources & Appl Life Sci, IFA Tulln, Christian Doppler Lab Mycotoxin Res, Ctr Anal Chem, AT-3430 Tulln, Austria  
*Food Addit Contam* 2006 **23** (11) 1187  
Characterization and application of isotope-substituted (<sup>13</sup>C<sub>15</sub>)-deoxynivalenol (DON) as an internal standard for the determination of DON
- Kondo K, Watanabe A, Iwanaga Y, Abe I, Tanaka H, Nagaoka MH, Akiyama H, Maitani T// Natl Inst Hlth Sci, Div Foods, 1-18-1 Kamiyoga, Tokyo 158 8501, Japan  
*Food Addit Contam* 2006 **23** (11) 1179  
Determination of genotoxic phenylhydrazine agaritine in mushrooms using liquid chromatography-electrospray ionization tandem mass spectrometry
- Lippolis V, Pascale M, Visconti A\*// \*CNR, Inst Sci Food Prod, Via G Amendola 122/O, IT-70126 Bari, Italy  
*J Food Prot* 2006 **69** (11) 2712  
Optimization of a fluorescence polarization immunoassay for rapid quantification of deoxynivalenol in durum wheat-based products
- Maragos CM// USDA/ARS, Natl Ctr Agr Utilizat Res, 1815 Nth University St, Peoria, IL 61604, USA  
*J Food Prot* 2006 **69** (11) 2773  
Measurement of T2 and HT-2 toxins in eggs by high-performance liquid chromatography with fluorescence detection
- Pussemier L, Pierard JY, Anselme M, Tangni EK\*, Motte JC, Larondelle Y// \*Vet & Agrochem Res Ctr, CODA-CERVA, Dept Qual & Safety, Leuvensesteenweg 17, BE-3080 Tevuren, Belgium  
*Food Addit Contam* 2006 **23** (11) 1208  
Development and application of analytical methods for the determination of mycotoxins in organic and conventional wheat
- Quan Y, Zhang Y, Wang S\*, Lee N, Kennedy IR// \*Tianjin Univ Sci & Technol, Fac Food Engn & Biotechnol, Tianjin Key Lab Food Nutr & Safety, CN-300457 Tianjin, Peoples Rep China  
*Anal Chim Acta* 2006 **580** (1) 1  
A rapid and sensitive chemiluminescence enzyme-linked immunosorbent assay for the determination of fumonisin B<sub>1</sub> in food samples
- Tavcar-Kalcher G, Vrtac K, Pestevek U, Vengust A// Univ Ljubljana, Fac Vet, Natl Vet Inst, Gerbiceva 60, SI-1115 Ljubljana, Slovenia  
*Food Control* 2007 **18** (4) 333  
Validation of the procedure for the determination of aflatoxin B<sub>1</sub> in animal liver using immunoaffinity columns and liquid chromatography with postcolumn derivatisation and fluorescence detection

## 10. Additives

- Benavides J, Rito-Palomares M\*// \*Inst Tecnol & Estudios Super, Dept Biotecnol & Ingn Alimentos, Ctr Biotecnol, MX-64849 Monterrey, NL, Mexico  
*J Chromatogr B* 2006 **844** (1) 39  
Simplified two stage method to B-phycoerythrin recovery from *Porphyridium cruentum*
- Guo L, Xie MY\*, Yan AP, Wan YQ, Wu YM// \*Nanchang Univ, Key Lab Food Sci MoE, CN-330047 Nanchang, Peoples Rep China  
*Anal Bioanal Chem* 2006 **386** (6) 1881  
Simultaneous determination of five synthetic antioxidants in edible vegetable oil by GC-MS
- Santos R, Limas E, Sousa M, Da Conceicao Castilho M, Ramos F\*, Da Silveira MIN// \*Univ Coimbra, Fac Farm, Grp Bromatol, Ctr Estudos Farmaceut, PT-3000-295 Coimbra, Portugal  
*Food Chem* 2007 **102** (1) 113  
Optimization of analytical procedures for GC-MS determination of phytosterols and phytostanols in enriched milk and yoghurt
- Silva KRB, Raimundo IM\*, Gimenez IF, Alves OL// \*Univ Estadual Campinas, Inst Quim, Caixa Postal 6154, BR-13084-971 Campinas, Brazil  
*J Agric Food Chem* 2006 **54** (23) 8697  
Optical sensor for sulfur dioxide determination in wines
- Yue XF, Zhang YN, Zhang ZQ\*// \*Shaanxi Normal Univ, Sch Chem & Mater Sci, Chang'an Sth Rd 199, CN-710062 Xi'an, Shaanxi Prov, Peoples Rep China  
*Food Chem* 2007 **102** (1) 90  
An air-driving FI device with merging zones technique for the determination of formaldehyde in beers

## 11. Flavours & aromas

- Carasek E, Pawliszyn J\*// \*Univ Waterloo, Dept Chem, Waterloo, Ontario, Canada N2L 3G1  
*J Agric Food Chem* 2006 **54** (23) 8688  
Screening of tropical fruit volatile compounds using solid-phase microextraction (SPME) fibers and internally cooled SPME fiber
- Choi SH, Suh BS, Kozukue E, Kozukue N, Levin CE, Friedman M\*// \*USDA/ARS, Western Region Res Ctr, 800 Buchanan St, Albany, Ca 94710, USA  
*J Agric Food Chem* 2006 **54** (24) 9024  
Analysis of the contents of pungent compounds in fresh Korean red peppers and in pepper-containing foods
- Flores M, Gianelli MP, Perez-Juan M, Toldra F// Consejo Superior Investigaciones Cientificas, Inst Agroquim & Tecnol Alimentos, PO Box 73, ES-46100 Burjassot, Valencia, Spain  
*Food Chem* 2007 **102** (2) 488  
Headspace concentration of selected dry-cured aroma compounds in model systems as affected by curing agents
- Komura H// Suntory Inst Bioorgan Res, Wakayamadai 1-1-1, Osaka 618 8503, Japan  
*J Sep Sci* 2006 **29** (15) 2350  
Comprehensive two-dimensional gas chromatographic analysis of commercial lemon-flavored beverages
- Nhu-Trang TT, Casabianca H, Grenier-Loustalot MF\*// \*Serv Cent Analyse, CNRS-USR 059, Echangeur Solaize, BP 22, FR-69390 Vernaison, France  
*Anal Bioanal Chem* 2006 **386** (7-8) 2141  
Authenticity control of essential oils containing citronellal and citral by chiral and stable-isotope gas-chromatographic analysis
- Pastorelli S, Valzacchi S, Rodriguez A, Simoneau C// European Commission DG-Joint Res Ctr, Inst Hlth & Consumer Protect, Phys & Chem Exposure Unit, TP 260, IT-21020 Ispra, VA, Italy  
*Food Addit Contam* 2006 **23** (11) 1236  
Solid-phase microextraction method for the determination of hexanal in hazelnuts as an indicator of the interaction of active packaging materials with food aroma compounds
- Pena-Alvarez A, Capella S, Juarez R, Labastida C// Univ Nacl Autonoma Mexico, Fac Quim, Dept Quim Anal, Ciudad Universitaria, Circuito Interior, MX-04510 Mexico City, DF, Mexico  
*J Chromatogr A* 2006 **1134** (1-2) 291  
Determination of terpenes in tequila by solid phase microextraction-gas chromatography-mass spectrometry
- Rai S, Mukherjee K, Mal M, Wahile A, Saha BP, Mukherjee PK\*// \*Jadavpur Univ, Sch Nat Prod Studies, Dept Pharmaceut Technol, IN-700032 Kolkata, India  
*J Sep Sci* 2006 **29** (15) 2292  
Determination of 6-gingerol in ginger (*Zingiber officinale*) using high-performance thin-layer chromatography
- Sanvicens N, Moore EJ, Guilbault GG, Marco MP\*// \*IIQAB - CSIC, Dept Biol Organ Chem, Appl Mol Receptors Grp, Jordi Girona 18-26, ES-08034 Barcelona, Spain  
*J Agric Food Chem* 2006 **54** (24) 9176  
Determination of haloanisols in white wine by immunosorbent solid-phase extraction followed by enzyme-linked immunosorbent assay
- Wang ZM, Wang L, Li TC, Zhou X, Ding L, Yu Y, Yu AM, Zhang HQ\*// \*Jilin Univ, Coll Chem, CN-130012 Changchun, Peoples Rep China  
*Anal Bioanal Chem* 2006 **386** (6) 1863  
Rapid analysis of the essential oils from dried *Illicium verum* Hook. f. and *Zingiber officinale* Rosc. by improved solvent-free microwave extraction with three types of microwave-absorption medium
- Yang FQ, Wang YT, Li SP\*// \*Univ Macau, Inst Chinese Med Sci, Macau, Peoples Rep China  
*J Chromatogr A* 2006 **1134** (1-2) 226  
Simultaneous determination of 11 characteristic components in three species of *Curcuma* rhizomes using pressurized liquid extraction and high-performance liquid chromatography
- Zhang ZM, Zeng DD, Li GK\*// \*Sun Yat-Sen Univ, Sch Chem & Chem Engr, CN-510275 Guangzhou, Peoples Rep China  
*Flavour Fragr J* 2007 **22** (1) 71  
The study of the aroma profile characteristics of durian pulp during storage by the combination sampling method coupled with GC-MS
- Zhao J, Li G, Wang BM\*, Liu W, Nan TG, Zhai ZX, Li ZH, Li QX\*// \*China Agric University, Coll Agron & Biotechnol, CN-100094 Beijing, Peoples Rep China  
*Anal Bioanal Chem* 2006 **386** (6) 1735  
Development of a monoclonal antibody-based enzyme-linked immunosorbent assay for the analysis of glycyrrhizic acid

## 12. Organic acids

Mato I, Suarez-Luque S, Huidobro JF\*// \*Univ Santiago de Compostela, Fac Farm, Dept Quim Anal Nutr & Bromatol, Area Nutr & Bromatol, ES-15782 Santiago de Compostela, Spain  
*Food Chem* 2007 **102** (1) 104  
 Simple determination of main organic acids in grape juice and wine by using capillary zone electrophoresis with direct UV detection

## 13. Animal products

Anwar M, Yaqoob M, Waseem A, Nabi A// Univ Baluchistan, Dept Chem, Quetta, Pakistan  
*J Chem Soc Pakistan* 2006 **28** (4) 380

Bioluminescent determination of adenosine 5'-triphosphate in blood and milk samples

Hsieh HS, Chai TJ, Hwang DF\*// \*Nat'l Taiwan Ocean Univ, Dept Food Sci, 2 Pei Ning Rd, Chilung 202, Taiwan  
*Food Control* 2007 **18** (4) 369

Using the PCR-RFLP method to identify the species of different processed products of billfish meats

Humbert G, Guingamp MF, Linden G, Gaillard JL// Faculte Science & Technol, UC 885 INRA, Lab BioSci Aliment, BP 239, FR-54506 Vandoeuvre les Nancy, France  
*J Dairy Res* 2006 **73** (4) 464

The Clarifying Reagent, or how to make the analysis of milk and dairy products easier

Martin I, Garcia T\*, Fajardo V, Lopez-Calleja I, Hernandez PE, Gonzalez I, Martin R// \*Univ Complutense Madrid, Fac Vet, Dept Nutr Bromatol & Tecnol Alimentos, ES-28040 Madrid, Spain  
*Meat Sci* 2007 **75** (1) 120

Species-specific PCR for the identification of ruminant species in feedstuffs

Nomura T, Kusama T, Kadowaki KI// Fertilizer & Feed Inspect Serv, Osaka Office, 4-1-67 Otemae, Chuo ku, Osaka 540 008, Japan  
*J Food Hyg Soc Jpn* 2006 **47** (5) 222

Detection of fish DNA in ruminant feed by PCR amplification (Japanese, English Abstract)

Xia JJ, Berg EP, Lee JW, Yao G\*// \*Univ Missouri, Dept Biol Engr, Columbia, Mo 65211, USA  
*Meat Sci* 2007 **75** (1) 78

Characterizing beef muscles with optical scattering and absorption coefficients in VIS-NIR region

## 14. Plant & microbial products

Boyukbayram AE, Kiralp S, Toppare L\*, Yagci Y// \*Middle East Tech Univ, Dept Chem, TR-06531 Ankara, Turkey  
*Bioelectrochemistry* 2006 **69** (2) 164

Preparation of biosensors by immobilization of polyphenol oxidase in conducting copolymers and their use in determination of phenolic compounds in red wine

Cacciola F, Jandera P\*, Blahova E, Mondello L// \*Univ Pardubice, Dept Anal Chem, Nam Cs Legii 565, CZ-53210 Pardubice, Czech Republic  
*J Sep Sci* 2006 **29** (16) 2500

Development of different comprehensive two dimensional systems for the separation of phenolic antioxidants

Di Donna L, Mazzotti F, Napoli A, Salerno R, Sajjad A, Sindona G\*// \*Univ Calabria, Dipt Chim, Cubo 12/C, IT-87036 Arcavacata di Rende, Italy  
*Rapid Commun Mass Spectrom* 2007 **21** (3) 273

Secondary metabolism of olive secoiridoids. New microcomponents detected in drupes by electrospray ionization and high-resolution tandem mass spectrometry

Dinelli G, Bonetti A, Marotti I, Minelli M, Navarrete-Casas M, Segura-Carretero A, Fernandez-Gutierrez A// Univ Bologna, DISTA, Vle Fanin 44, IT-40127 Bologna, Italy  
*Electrophoresis* 2006 **27** (20) 4029

Quantitative-competitive polymerase chain reaction coupled with slab gel and capillary electrophoresis for the detection of roundup ready soybean and maize

Falcao-Rodrigues MM, Moldao-Martins M, Beirao-da-Costa ML\*// \*ISA, DAIAT, Ctr Estudos Agro Alimentares, Tapada da Ajuda, PT-1349-017 Lisbon, Portugal  
*Food Chem* 2007 **102** (2) 475

DSC as a tool to assess physiological evolution of apples preserved by edible coatings

Forgacs E, Cserhati T// Hungarian Acad Sci, Inst Mat & Environm Chem, Chem Res Ctr, HU-1051 Budapest, Hungary  
*Anal Lett* 2006 **39** (15) 2775

Classification of chili powders by high performance liquid chromatography-diode array detection

He JR, Santos-Buelga C, Mateus N, De Freitas V\*// \*Univ Porto, Fac Ciencias, Dept Quim, Ctr Invest Quim, Rua Campo Alegre 687, PT-4169-007 Oporto, Portugal

*J Chromatogr A* 2006 **1134** (1-2) 215  
 Isolation and quantification of oligomeric pyranoanthocyanin-flavanol pigments from red wines by combination of column chromatographic techniques

Kim HM, Kim JS, Lee S\*, Lee SJ, Lee GP, Kang SS, Cho SH, Cheoi DS// \*Chung Ang Univ, Coll Ind Sci, Dept Appl Plant Sci, Anseong 456 756, Gyeonggi, South Korea

*Food Sci Biotechnol* 2006 **15** (5) 778  
 Quantitative analysis of lignans in the fruits of *Acanthopanax* species by HPLC

Meylahn K, Rucker A, Wolf E// LAVES, Lebensmittelinstitut Oldenburg, Martin Niemoller Str 2, DE-26133 Oldenburg, Germany  
*Dtsch Lebensm Rundsch* 2006 **102** (11) 523

Provenance analysis of asparagus using isotope relation mass spectrometry (German, English Abstract)

Pavei C, Guzzato P, Petrovick PR, Gosmann G, Gonzalez-Ortega G\*// \*UFRGS, Fac Farm, PPGCF, Av Ipiranga 2752, BR-90610-000 Porto Alegre, RS, Brazil  
*J Liq Chromatogr Relat Technol* 2007 **30** (1) 87

Development and validation of an HPLC method for the characterization and assay of the saponins from *Ilex paraguariensis* A. St.-Hil (mate) fruits

Pedras MSC, Adio AM, Suchy M, Okinyo DPO, Zheng QA, Jha M, Sarwar MG// Univ Saskatchewan, Dept Chem, 110 Science Pl, Saskatoon, Saskatchewan, Canada S7N 5C9  
*J Chromatogr A* 2006 **1133** (1-2) 172

Detection, characterization and identification of crucifer phytoalexins using high-performance liquid chromatography with diode array detection and electrospray ionization mass spectrometry

Pellegrini N, Serafini M, Salvatore S, Del Rio D, Bianchi M, Brighenti F// Univ Parma, Dept Publ Hlth, IT-43100 Parma, Italy  
*Mol Nutr Food Res* 2006 **50** (11) 1030

Total antioxidant capacity of spices, dried fruits, nuts, pulses, cereals and sweets consumed in Italy assessed by three different *in vitro* assays

Rodriguez-Nogales JM, Garcia MC, Marina ML\*// \*Univ Alcala de Henares, Fac Quim, Dept Quim Anal & Ingn Quim, ES-28871 Alcala de Henares, Madrid, Spain  
*J Agric Food Chem* 2006 **54** (23) 8702

Analysis of European and North American maize inbred and hybrid lines by monolithic and perfusion reversed-phase high-performance chromatography and multivariate analysis

Schutz K, Muks E, Carle R, Schieber A\*// \*Univ Hohenheim, Inst Food Technol, Sect Plant Foodstuff Technol, August von Hartmann Str 3, DE-70599 Stuttgart, Germany  
*J Agric Food Chem* 2006 **54** (23) 8812

Quantitative determination of phenolic compounds in artichoke-based dietary supplements and pharmaceuticals by high-performance liquid chromatography

Sun HW, Qiao FX, Liu GY// Hebei Univ, Coll Chem & Environm Sci, CN-071002 Baoding, Peoples Rep China  
*J Chromatogr A* 2006 **1134** (1-2) 194

Characteristic of theophylline imprinted monolithic column and its application for determination of xanthine derivatives caffeine and theophylline in green tea

Takahashi M, Watanabe H, Kikkawa J, Ota M, Watanabe M, Sato Y, Inomata H\*, Sato N// \*Tohoku Univ, Res Ctr Supercritical Fluid Technol, 6-6-11-403 Aoba, Aramaki, Aoba ku, Sendai, Miyagi 980 8579, Japan  
*Anal Sci* 2006 **22** (11) 1441

Carotenoids extraction from Japanese persimmon (Hachiyakaki) peels by supercritical CO<sub>2</sub> with ethanol

Tang ZX, Zeng YK, Zhou Y, He PG, Fang YZ\*, Zang SL// \*China Normal Univ, Dept Chem, CN-200062 Shanghai, Peoples Rep China  
*Anal Lett* 2006 **39** (15) 2861

Determination of active ingredients of *Origanum vulgare* L. and its medicinal preparations by capillary electrophoresis with electrochemical detection

Theodoridis G, Lasakova M, Skerikova V, Tegou A, Giantsiou N, Jandera P// Aristotle Univ Thessaloniki, Dept Chem, Anal Chem Lab, GR-54124 Thessaloniki, Greece  
*J Sep Sci* 2006 **29** (15) 2310

Molecular imprinting of natural flavonoid antioxidants: Application in solid-phase extraction for the sample pretreatment of natural products prior to HPLC analysis

Wang X, Wang J\*, Yang N// \*Nanchang Univ, Dept Chem, CN-330047 Nanchang, Jiangxi, Peoples Rep China  
*Food Chem* 2007 **102** (1) 422

Chemiluminescent determination of chlorogenic acid in fruits

Yang RY, Tsou SCS, Lee TC, Wu WJ, Hanson PM, Kuo G, Engle LM, Lai PY// Asian Vegetable Res & Dev Ctr, World Vegetable Ctr, Nutr Unit, Tainan 741, Taiwan  
*J Sci Food Agric* 2006 **86** (14) 2395

Distribution of 127 edible plant species for antioxidant activities by two assays