

## Bibliography of analytical methods

(4 weeks journals. Search completed at 9th. Jan. 2008)

### 1. Reviews

Andreu V, Blasco C, Pico Y\*// \*Ctr Invest Desertification, Cami de la Marjal s/n, ES-46470 Albal, Valencia, Spain

*Trends Anal Chem* 2007 **26** (6) 534

Analytical strategies to determine quinolone residues in food and the environment

Berrueta LA, Alonso-Salces RM, Heberger K// Univ Pais Vasco, Fac Ciencia & Tecnol, Dept Quim Anal, POB 644, ES-48080 Bilbao, Spain

*J Chromatogr A* 2007 **1158** (1-2) 196

Supervised pattern recognition in food analysis

Gentili A// Univ Roma La Sapienza, Dipt Chim, Piazzale Aldo Moro 5, PO Box 34, Posta 62, Rome, Italy

*Trends Anal Chem* 2007 **26** (6) 595

LC-MS methods for analyzing anti-inflammatory drugs in animal-food products

Sadecka J, Tothova J// Slovak Tech Univ, Fac Chem & Food Technol, Inst Anal Chem, Radlinskeho 9, SK-81237 Bratislava, Slovakia

*Czech J Food Sci* 2007 **25** (4) 159

Fluorescence spectroscopy and chemometrics in the food classification - A review

### 3. Amino acids, proteins & enzymes

Baxter JH, Lai CS, Phillips RR, Dowlati L, Chio JJ, Luebbers ST, Dimler SR, Johns PW\*// \*Abbott Labs, Ross Prod Div, 3300 Stelzer Rd, Columbus, Oh 43219, USA

*J Chromatogr A* 2007 **1157** (1-2) 10

Direct determination of methionine sulfoxide in milk proteins by enzyme hydrolysis/high-performance liquid chromatography

Carrera M, Canas B, Pineiro C, Vazquez J, Gallardo JM// IIM - CSIC, Dept Tecnol Alimentos, Eduardo Cabello 6, ES-36208 Vigo, Pontevedra, Spain

*J Proteome Res* 2007 **6** (8) 3070

*De novo* mass spectrometry sequencing and characterization of species-specific peptides from nucleoside diphosphate kinase B for the classification of commercial fish species belonging to the family Merlucciidae

Cui SH, Li JY, Hu CQ, Jin SH, Ma Y\*// \*National Institute Control Pharmaceut & Biological Products, Department Antibiot, CN-100050 Beijing, Peoples Rep China

*J AOAC Int* 2007 **90** (4) 1128

Development of a method for the detection of  $\beta$ -lactamases in milk samples

Del Carmen Pinto M, Tejada A, Duque AL, Macias P\*// \*Univ Extremadura, Fac Ciencias, Dept Bioquim & Biol Mol, ES-06071 Badajoz, Spain

*J Agric Food Chem* 2007 **55** (15) 5956

Determination of lipoxygenase activity in plant extracts using a modified ferrous oxidation-xyleneol orange assay

Ferreira IMPLVO, Eca R, Pinho O, Tavares P, Pereira A, Roque AC// Univ Porto, Fac Farm, Serv Bromatol, REQUIMTE, Rua Anibal Cunha 164, PT-4099-030 Oporto, Portugal

*J Liq Chromatogr Relat Technol* 2007 **30** (14) 2139

Development and validation of an HPLC/UV method for quantification of bioactive peptides in fermented milks

Garcia-Ruiz C, Garcia C, Cifuentes A, Marina L\*// \*Univ Alcala de Henares, Fac Chem, Dept Anal Chem, ES-28871 Alcala de Henares, Spain

*Electrophoresis* 2007 **28** (13) 2314

Characterization and differentiation of diverse transgenic and nontransgenic soybean varieties from CE protein profiles

Hiep HM, Endo T, Kerman K, Chikae M, Kim DK, Yamamura S, Takamura Y, Tamiya E\*// \*JAIST, Sch Mat Sci, 1-1 Asahidai, Nomi City, Ishikawa 923 129, Japan

*Sci Technol Adv Mater* 2007 **8** (4) 331

A localized surface plasmon resonance based immunosensor for the detection of casein in milk

Hsieh YHP, Ofori JA, Rao QC, Bridgeman CR// Florida State Univ, Dept Nutr Food & Exercise Sci, Tallahassee, Fl 32312, USA

*J Agric Food Chem* 2007 **55** (16) 6720

Monoclonal antibodies specific to thermostable proteins in animal blood

Kehoe JJ, Brodtkorb A, Molle D, Yokoyama E, Famelart MH, Bouhallab S, Morris ER, Croguennec T\*// \*Moorepark Food Res Ctr, Fermoy, Cork, Rep Ireland

*J Agric Food Chem* 2007 **55** (17) 7107

Determination of exposed sulfhydryl groups in heated  $\beta$ -lactoglobulin A using IAEDANS and mass spectrometry

Jerma-Garcia MJ, Ramis-Ramos G, Herrero-Martinez JM, Simo-Alfonso EF// Univ Valencia, Fac Chem, Dept Anal Chem, ES-46100 Burjassot, Valencia, Spain

*Rapid Commun Mass Spectrom* 2007 **21** (22) 3751

Classification of vegetable oils according to their botanical origin using amino acid profiles established by direct infusion mass spectrometry

Liu SH, Zhou RB, Tian SJ, Gai JY\*// \*Nanjing Agric Univ, Soybean Res Inst, Natl Ctr Soybean Improvement, Nanjing, Peoples Rep China

*J Am Oil Chem Soc* 2007 **84** (9) 793

A study on subunit groups of soybean protein extracts under SDS-PAGE

Soyeurt H, Colinet FG, Arnould VMR, Dardenne P, Bertozzi C, Renaville R, Portetelle D, Gengler N// Gembloux Agric Univ, Anim Sci Unit, BE-5030 Gembloux, Belgium

*J Dairy Sci* 2007 **90** (9) 4443

Genetic variability of lactoferrin content estimated by mid-infrared spectrometry in bovine milk

### 4. Carbohydrates

Bao JS, Shen Y, Jin L// Zhejiang Univ, Coll Agric & Biotechnol, Inst Nucl Agric Sci, Hua Jiachi Campus, CN-310029 Hangzhou, Peoples Rep China

*J Cereal Sci* 2007 **46** (1) 75

Determination of thermal and retrogradation properties of rice starch using near-infrared spectroscopy

Kennedy JF, Pimentel MDB, Melo EHM, Lima JL// Univ Birmingham Res Pk, Vincent Dr, Edgbaston, Birmingham B15 2SQ, England

*J Sci Food Agric* 2007 **87** (12) 2266

Sucrose biosensor as an alternative tool for sugarcane field samples

Mahmood T, Turner MA, Stoddard FL\*// \*Univ Helsinki, Dept Appl Biol, POB 27, FI-00014 Helsinki, Finland

*Starch* 2007 **59** (8) 357

Comparison of methods for colorimetric amylose determination in cereal grains

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.

Ruiz-Matute AI, Sanz ML\*, Martinez-Castro I// \*Inst Quim Organ Gen - CSIC, Juan Cierva 3, ES-28006 Madrid, Spain  
*J Chromatogr A* 2007 **1157** (1-2) 480  
 Use of gas chromatography-mass spectrometry for identification of a new disaccharide in honey

## 5. Lipids

Bendini A, Cerretani L, Di Virgilio F, Belloni P, Bonoli-Carbognin M, Lercker G// Univ Bologna, Dipt Sci Alimenti, Pzza Goidanich 60, IT-47023 Cesena, FC, Italy

*J Food Qual* 2007 **30** (4) 424

Preliminary evaluation of the application of the FTIR spectroscopy to control the geographic origin and quality of virgin olive oils

Capote FP, Jimenez JR, Luque de Castro MD// Univ Cordoba, Dept Anal Chem, Annex C-3 Bldg, Campus Rabanales, ES-14071 Cordoba, Spain  
*Anal Bioanal Chem* 2007 **388** (8) 1859

Sequential (step-by-step) detection, identification and quantitation of extra virgin olive oil adulteration by chemometric treatment of chromatographic profiles

Galtier O, Dupuy N, Le Dreau Y, Ollivier D, Pinatoc C, Kister J, Artaud J// Univ Paul Cezanne, CNRS UMR 6171, Lab GOAE, FR-13397 Marseille 20, France  
*Anal Chim Acta* 2007 **595** (1-2) 136

Geographic origins and compositions of virgin olive oils determined by chemometric analysis of NIR spectra

Halkina T, Sherma J// \*Lafayette Coll, Dept Chem, Easton, Pa 18042, USA

*J Liq Chromatogr Relat Technol* 2007 **30** (15) 2329

Determination of sterols and fatty acids in prostate health dietary supplements by silica gel high performance thin layer chromatography with visible mode densitometry

Heussen PCM, Janssen HG, Samwel IBM, Van Duynhoven JPM// Unilever R&D, Unilever Food & Hlth Res Inst, Advanced Measurement & Imaging, POB 114, NL-3130 AC Vlaardingen, The Netherlands  
*Anal Chim Acta* 2007 **595** (1-2) 176

The use of multivariate modelling of near infra-red spectra to predict the butter fat content of spreads

Koca N, Rodriguez-Saona LE, Harper WJ, Alvarez VB// \*Ohio State Univ, Dept Food Sci & Technol, 110 Parker Food Sci & Technol Bldg, 2015 Fyffe Rd, Columbus, Oh 43210, USA

*J Dairy Sci* 2007 **90** (8) 3596

Application of Fourier transform infrared spectroscopy for monitoring short-chain free fatty acids in Swiss cheese

Lin YT, Wu SS, Wu HL// \*Kaohsiung Med Coll, Coll Pharm, Grad Inst Pharmaceut Sci, Kaohsiung 807, Taiwan  
*J Chromatogr A* 2007 **1156** (1-2) 280

Highly sensitive analysis of cholesterol and sitosterol in foods and human biosamples by liquid chromatography with fluorescence detection

Mengl Z, Wen D, Sun D, Gao F, Li W, Liao YP, Liu HW// \*Peking Univ, Beijing Natl Lab Mol Sci, CN-100871 Beijing, Peoples Rep China  
*J Sep Sci* 2007 **30** (10) 1537

Rapid determination of C12-C26 non-derivatized fatty acids in human serum by fast gas chromatography

Mirabaud S, Rolando C, Regert M// \*Lab Ctr Rech & Restauration Musees France, UMR 171 CNRS-MCC, 14 Quai F Mitterand, FR-75001 Paris, France  
*Anal Chem* 2007 **79** (16) 6182

Molecular criteria for discriminating adipose fat and milk from different species by nanoESI MS and MS/MS of their triacylglycerols: Application to archaeological remains

Momchilova S, Nikolova-Damyanova B// \*Bulgarian Acad Sci, Inst Organ Chem, Ctr Phytochen, BU-1113 Sofia, Bulgaria  
*J Liq Chromatogr Relat Technol* 2007 **30** (15) 2267

Quantitative TLC and gas chromatography determination of the lipid composition of raw and microwaved roasted walnuts, hazelnuts, and almonds

Navas JA, Tres A, Bou R, Codony R, Guardiola F// Univ Barcelona, Fac Pharm, Dept Nutr & Food Sci, CeRTA, Av Joan 23 s/n, ES-08028 Barcelona, Spain  
*Grasas Aceites* 2007 **58** (2) 154

Optimization of analytical methods for the assessment of the quality of fats and oils used in continuous deep fat frying

Pati S, Quinto M, Palmisano F// \*Univ Bari, Dipt Chim, Via Orabona 4, IT-70126 Bari, Italy  
*Anal Chim Acta* 2007 **594** (2) 234

Flow injection determination of choline in milk hydrolysates by an immobilized enzyme reactor coupled to a selective hydrogen peroxide amperometric sensor

Senanayake SPJN, Shahidi F// \*Memorial Univorial Newfoundland, Dept Biochem, St John, Newfoundland, Canada A1B 3X9  
*J Food Lipids* 2007 **14** (3) 217

Measuring oxidative stability of structured lipids by proton nuclear magnetic resonance

Solanki PR, Singh S, Prabhakar N, Pandey MK, Malhotra BD// \*Natl Phys Lab, Biomol Elect & Conduct Polymer Res Grp, IN-110012 New Delhi, India  
*J Appl Polym Sci* 2007 **105** (6) 3211

Application of conducting poly(aniline-co-pyrrole) film to cholesterol biosensor

Vlaeminck B, Harynuk J, Fievez V, Marriott P// Univ Ghent, Lab Anim Nutr & Amin Prod Qual, Proefhoevestr 10, BE-9090 Melle, Belgium  
*Eur J Lipid Sci Technol* 2007 **109** (8) 757

Comprehensive two-dimensional gas chromatography for the separation of fatty acids in milk

Wu D, Feng S, He Y// \*Zhejiang Univ, Coll Biosyst Engn & Food Sci, CN-310029 Hangzhou, Peoples Rep China  
*J Dairy Sci* 2007 **90** (8) 3613

Infrared spectroscopy technique for the nondestructive measurement of fat content in milk powder

Yue J, Narine SS// \*Univ Alberta, Dept Agric Food & Nutr Sci, Alberta Lipid Utilization Program, 4-10 Agric/Forestry Ctr, Edmonton, Alberta, Canada T6G 2P5  
*J Am Oil Chem Soc* 2007 **84** (9) 803

Separation and quantification of vegetable oil based polyols by high performance liquid chromatography with evaporative light scattering detection

## 6. Vitamins & co-factors

Blake CJ// Nestle Res Ctr, Food Qual & Safety Dept, Vers-chez-les-Blanc, CH-100 Lausanne 26, Switzerland  
*J AOAC Int* 2007 **90** (4) 897

Status of methodology for the determination of fat-soluble vitamins in foods, dietary supplements, and vitamin premixes

Chen L, Eitenmiller RR// \*Univ Georgia, Dept Food Sci & Technol, Athens, Ga 30602, USA  
*J Food Sci* 2007 **72** (5) C243

Single laboratory method performance evaluation for the analysis of total food folate by trienzyme extraction and microplate assay

De Brouwer V, Zhang G, Storozhenko S, Van der Straeten D, Lambert WE// \*Ghent Univ, Lab Toxicol, Harelbekestr 72, BE-9000 Ghent, Belgium  
*Phytochem Anal* 2007 **18** (6) 496

pH stability of individual folates during critical sample preparation steps in prevision of the analysis of plant folates

Dong S, Zhang S, Cheng X, He P, Wang QJ\*, Fang YZ// \*East China Normal Univ, Dept Chem, CN-200062 Shanghai, Peoples Rep China  
*J Chromatogr A* 2007 **1161** (1-2) 327

Simultaneous determination of sugars and ascorbic acid by capillary zone electrophoresis with amperometric detection at a carbon paste electrode modified with polyethylene glycol and Cu<sub>2</sub>O

Du YY, Jia L\*, Liu HQ, Xing D// \*Sth China Normal Univ, MoE Key Lab Laser Life Sci, Huangzhou, Peoples Rep China  
*Anal Lett* 2007 **40** (10) 2005

Comparison of on-line concentration methods in capillary zone electrophoresis for analysis of water-soluble vitamins

Goldschmidt RJ, Wolf WR// \*USDA/ARS, Food Compos Lab, Beltsville Human Nutr Res Ctr, Beltsville, Md 20705, USA  
*J AOAC Int* 2007 **90** (4) 1084

Determination of niacin in food materials by liquid chromatography using isotope dilution mass spectrometry

Lanina SA, Toledo P, Sampels S, Kamal-Eldin A, Jastrebova JA// Swedish Univ Agric Sci, Dept Food Sci, Div Food Chem, PO Box 7051, SE-75007 Uppsala, Sweden

*J Chromatogr A* 2007 **1157** (1-2) 159

Comparison of reversed-phase liquid chromatography-mass spectrometry with electrospray and atmospheric pressure chemical ionization for analysis of dietary tocopherols

Nishioka M, Tanioka Y, Miyamoto E, Enototo T, Watanabe F// \*Tottori Univ, Fac Agric, Sch Agric Biol & Environm Sci, Tottori 680 8553, Japan  
*J Liq Chromatogr Relat Technol* 2007 **30** (15) 2245

TLC analysis of a corrinoid compound from dark muscle of the yellowfin tuna (*Thunnus albacares*)

Sun W, Yang MX, Gao RF, Jiao K// Qingdao Univ Sci & Technol, Coll Chem & Mol Engr, CN-266042 Qingdao, Peoples Rep China  
*Electroanalysis* 2007 **19** (15) 1597

Electrochemical determination of ascorbic acid in room temperature ionic liquid BPPF6 modified carbon paste electrode

Vermeir S, Nicolai BM, Verboven P, Van Gerwen P, Baeten B, Hoflack L, Vulsteke V, Lammertyn J// Katholieke Univ Leuven, Fac Biosci Engr, BIOSYST-MeBioS, Willem de Croylaan 42, BE-3001 Louvain, Belgium  
*Anal Chem* 2007 **79** (16) 6119

Microplate differential calorimetric biosensor for ascorbic acid analysis in food and pharmaceuticals

Zandmeneghi M, Carnaro L, Zandomeneghi G// Univ Pisa, Dipt Chim & Chim Ind, Via Risorgimento 35, IT-56126 Pisa, Italy  
*J Agric Food Chem* 2007 **55** (15) 5990  
 Biochemical fluorimetric method for the determination of riboflavin in milk

## 7. Trace elements & minerals

Arain MB, Kazi TG\*, Jamali MK, Afridi HI, Jalbani N, Memon AR// \*University Sindh, Centre Excellence Analytical Chem, PK-76080 Jamshoro, Pakistan  
*J AOAC Int* 2007 **90** (4) 1118

Ultrasound-assisted pseudodigestion for toxic metals determination in fish muscles followed by electrothermal atomic absorption spectrophotometry: Multivariate strategy

De Sousa RA, Ribeiro AS, Vieira MA, Curtius AJ, Baccan N, Cadore S// \*Univ Estadual Campinas, Inst Quim, Dept Quim Anal, BR-13084-971 Campinas, SP, Brazil  
*Microchim Acta* 2007 **159** (3-4) 241

Determination of trace elements in liquid aspartame sweeteners by ICPOES and ICP-MS following acid digestion

Figueiredo E, Soares ME, Baptista P, Castro M, Bastos ML// \*Univ Porto, Fac Pharm, Toxicol Lab, REQUIMTE, Rua Anibal Cunha 164, PT-4099-030 Oporto, Portugal  
*J Agric Food Chem* 2007 **55** (17) 7192

Validation of an electrothermal atomization atomic absorption spectrometry method for quantification of total chromium and chromium(VI) in wild mushrooms and underlying soils

Frazzoli C, D'Illio S, Bocca B// \*Int Super Sanita, Dept Environm & Primary Prevent, Viale Regina Elena 299, Rome, Italy  
*Anal Lett* 2007 **40** (10) 1992

Determination of Cd and Pb in honey by SF-ICP-MS: Validation figures and uncertainty of results

Hun X, Zhang ZJ// \*Shaaxi Normal Univ, Sch Chem & Materials Sci, Dept Chem, CN-710062 Xian, Peoples Rep China  
*Microchim Acta* 2007 **159** (3-4) 255

Preparation of a novel fluorescence nanosensor based on calcein-doped silica nanoparticles, and its application to the determination of calcium in blood serum

Jiang SL, Shi CH\*, Wu JG// \*Zhejiang Univ, Dept Agron, CN-310029 Hangzhou, Peoples Rep China  
*J Food Qual* 2007 **30** (4) 481

Determination of trace amount for germanium (Ge) by atomic fluorescence spectrometry in rice (*Oryza sativa* L.)

Khuder A, Bakir MA, Karjou J, Sawan MK// Atomic Energy Commission, Dept Chem, POB 6091, Damascus, Syria  
*J Radioanal Nucl Chem* 2007 **273** (2) 435

XRF and TXRF techniques for multi-element determination of trace elements in whole blood and human hair samples

Lowery TA, Winters RS, Garrett ES// NSIL, NOAA NMFS National Seafood Inspection Lab, Pascagoula, Ms USA  
*J Aquat Food Prod Technol* 2007 **16** (2) 5

Comparison of total mercury determination of fish fillet homogenates by thermal decomposition amalgamation, and atomic absorption spectrophotometry versus cold vapor atomic absorption spectrophotometry

Mestek O, Polak J, Koplik R, Kominkova J, Santrucek J, Kodicek M, Kvasnicka F// Institute Chemical Technol, Technicka 5, CZ-16628 Prague 6, Czech Republic  
*Eur Food Res Technol* 2007 **225** (5-6) 895

Analysis of element species fractions in buckwheat and amaranth flours by SEC/ICP-MS and MALDI-MS

Pohl P// Wroclaw Tech Univ, Fac Chem, Wybrzeze Wyspianskiego 27, PL-50370 Wroclaw, Poland  
*Microchim Acta* 2007 **159** (3-4) 325

Manganese and zinc operational fractionation in beer by means of tandem ion exchange column assemblage and flame atomic absorption spectrometry

Polkowska-Motrenko H, Dybczynski RS, Chajduk E, Danko B, Kulisa K, Samczynski Z, Sypula M, Szopa Z// Inst Nucl Chem & Technol, Dept Anal Chem, ul Dorodna 16, PL-03195 Warsaw, Poland  
*Chem Anal* 2007 **52** (3) 361

New Polish certified reference materials for inorganic trace analysis: Corn flour (INCT-CF-3) and soya bean flour (INCT-SBF-4)

Yebra-Biurrun MC, Cancela-Perez S// Univ Santiago de Compostela, Faculty Chem, Dept Anal Chem Nutr & Bromatol, ES-15782 Santiago de Compostela, Spain  
*Anal Sci* 2007 **23** (8) 993

Continuous approach for ultrasound-assisted acid extraction-minicolumn preconcentration of chromium and cobalt from seafood samples prior to flame atomic absorption spectrometry

Zhang N, Huang C, Hu B// Wuhan Univ, Dept Chem, CN-430072 Wuhan, Peoples Rep China  
*Anal Sci* 2007 **23** (8) 997

ICP-AES determination of trace rare earth elements in environmental and food samples by on-line separation and preconcentration with acetylacetonone-modified silica gel using microcolumn

## 8. Drug, biocide & processing residues

Alvarez-Munoz D, Gomez-Parra A, Gonzalez-Mazo E// \*Univ Cadiz, Dept Quim Fis, Av Republica Saharaui s/n, ES-11510 Cadiz, Spain  
*Anal Bioanal Chem* 2007 **388** (5-6) 1013

Testing organic solvents for the extraction from fish of sulfophenylcarboxylic acids, prior to determination by liquid chromatography-mass spectrometry

Bentayeb K, Battle R, Romero J, Nerin C// \*Univ Zaragoza, Inst Invest Ingn Aragon, Ctr Politecn Super Ingn, ES-50018 Zaragoza, Spain  
*Anal Bioanal Chem* 2007 **388** (5-6) 1031

UPLC-MS as a powerful technique for screening the nonvolatile contaminants in recycled PET

Bermudo E, Nunez O, Moyano E, Puignou L, Galceran MT// \*Univ Barcelona, Dept Anal Chem, Marti i Franques 1-11, ES-08028 Barcelona, Spain  
*J Chromatogr A* 2007 **1159** (1-2) 225

Field amplified sample injection-capillary electrophoresis-tandem mass spectrometry for the analysis of acrylamide in foodstuffs

Berrada H, Borrull F, Font G, Molto JC, Marce RM// Univ Valencia, Fac Pharm, Lab Food Chem & Toxicol, Avda Vicent Andres Estelles s/n, ES-46100 Burjassot, Spain  
*J Chromatogr A* 2007 **1157** (1-2) 281

Validation of a confirmatory method for the determination of macrolides in liver and kidney animal tissues in accordance with the European Union regulation 2002/657/EC

Beyoglu D, Omurtag GZ// \*Marmara Univ, Fac Pharm, Dept Pharmacol Toxicol, TR-34668 Istanbul, Turkey  
*J Food Prot* 2007 **70** (7) 1735

Occurrence of naphthalene in honey consumed in Turkey as determined by high-pressure liquid chromatography

Carneiro RL, Braga JWB, Bottoli CBG, Poppi RJ// \*Univ Estadual Campinas, Inst Quim, CP 6154, BR-13084-971 Campinas, SP, Brazil  
*Anal Chim Acta* 2007 **595** (1-2) 51

Application of genetic algorithm for selection of variables for the BLLS method applied to determination of pesticides and metabolites in wine

Dreassi E, Zizzari AT, Zanfini A, Corbini G, Botta M// Univ Siena, Dipt Farmaco Chim Tecnol, Via A Moro, IT-53100 Siena, Italy  
*J Agric Food Chem* 2007 **55** (17) 6850

LC/ESI/MS method for the quantitative detection of guazatine residues in cereals

Font G, Juan-Garcia A, Pico Y// \*Univ Valencia, Fac Farm, Lab Bromatol & Toxicol, Av Vicent Andres Estelles s/n, ES-46100 Valencia, Spain  
*J Chromatogr A* 2007 **1159** (1-2) 233

Pressurized liquid extraction combined with capillary electrophoresis-mass spectrometry as an improved methodology for the determination of sulfonamide residues in meat

Forleo A, Taurino AM, Capone S, Epifani M, Francioso L, Spadavecchia J, Siciliano P// CNR, Inst Microelectron & Microsyst, Via Monteroni, Lecce, Italy  
*Sensor Lett* 2006 **4** (3) 229

Design of an electronic nose for selective phosphine detection in cereals

Han D, Yu M, Knopp D, Niessner R, Wu M, Deng AP// \*Sichuan Univ, Coll Chem, CN-610064 Chengdu, Peoples Rep China  
*J Agric Food Chem* 2007 **55** (16) 6424

Development of a highly sensitive and specific enzyme-linked immunosorbent assay for detection of Sudan I in food samples

Huo TM, Peng CF, Xu CL\*, Liu LQ// \*Sthn Yangtze Univ, Sch Food Sci & Technol, CN-214036 Wuxi, Jaingsu, Peoples Rep China  
*Eur Food Res Technol* 2007 **225** (5-6) 743

Immunochemical assay for determination of hexoestol residues

Janoszka B// L Warynski Silesian Med Acad, Fac Med, Dept Chem, Jordana 19, PL-41808 Zabrze, Poland  
*J Planar Chromatogr Mod TLC* 2007 **20** (3) 221

Densitometric TLC analysis of azarenes in grilled meat

Kalal HS, Mahani MK, Maragheb MG, Chalooosi M// Atomic Energy Organization Iran, Nucl Res Ctr, POB 11365-8486, Tehran, Iran  
*J Liq Chromatogr Relat Technol* 2007 **30** (14) 2081

HPLC determination of furfural after preliminary extraction to aqueous phase

Kong MF, Chan S, Wong YC\*, Wong SK, Sin DWM// \*HKSAR Homantin Govt Off, Govt Lab, Anal & Advisory Serv Div, Hong Kong, Peoples Rep China  
*J AOAC Int* 2007 **90** (4) 1133

Interlaboratory comparison for the determination of the five residual organochlorine pesticides in ginseng root samples by gas chromatography

- Ligor T, Kebrowski W, Buszewski B\*// \*Nicholas Copernicus Univ, Fac Chem, 7 Gagarina St, PL-87100 Torun, Poland  
*Polish J Environm Stud* 2007 **16** (4) 571  
Determination of PCBs in selected components of a food chain by means of SPE and GC/MS
- Marmesat S, Valasco J, Marquez-Ruiz G, Dobarganes MC\*// \*Inst Grasa - CSIC, Avda Padre Garcia Tejero 4, ES-41012 Seville, Spain  
*Grasas Aceites* 2007 **58** (2) 179  
A rapid method for determination of polar compounds in used frying fats and oils
- Mohamed R, Hammel YA, LeBreton MH, Tabet JC, Jullien L, Guy PA\*// \*Nestle Res Ctr, POB 44, Vers-chez-les-Blanc, CH-1000 Lausanne, Switzerland  
*J Chromatogr A* 2007 **1160** (1-2) 194  
Evaluation of atmospheric pressure ionization interfaces for quantitative measurement of sulfonamides in honey using isotope dilution liquid chromatography coupled with tandem mass spectrometry techniques
- Molder K, Kunnapas A, Herodes K\*, Leito I// \*Univ Tartu, Inst Phys Chem, Jakobi 2, EE-51014 Tartu, Estonia  
*J Chromatogr A* 2007 **1160** (1-2) 227  
"Fast peaks" in chromatograms in Sudan dyes
- Naert C, Van Peteghem C// Univ Ghent, Fac Pharmaceut Sci, Lab Food Anal, Harelbekestr 72, BE-9000 Ghent, Belgium  
*Food Addit Contam* 2007 **24** (9) 1018  
Development and application of a simplified clean-up procedure for the determination of polychlorinated biphenyls (PCBs) and polybrominated diphenyl ethers (PBDEs) in horse fat by gas chromatography-tandem mass spectrometry (GC-MS/MS)
- Okihashi M, Takatori S, Kitagawa Y, Tanaka Y// Osaka Prefectural Inst Publ Hlth, Najamichi 1-3-69, Higashinari ku, Osaka 537 0025, Japan  
*JAOAC Int* 2007 **90** (4) 1165  
Simultaneous analysis of 260 pesticide residues in agricultural products by gas chromatography/triple quadrupole mass spectrometry
- Parlato A, Calderaro E, Bartolotta A\*, D'Oca MC, Giuffrida SA, Brai M, Tranchina L, Agozzino P, Avellone G, Ferrugia M, Di Noto AM, Caraccappa S// \*Univ Palermo, Dipt Farmacochim Tossicol & Biol, Via Archirafi 32, IT-90123 Palermo, Italy  
*Radiat Phys Chem* 2007 **76** (8-9) 1463  
Gas chromatographic/mass spectrometric and microbiological analyses on irradiated chicken
- Pastor-Navarro N, Morais S, Maquieira A\*, Puchades R// \*Univ Politecn Valencia, Dept Quim, Camino de Vera s/n, ES-46071 Valencia, Spain  
*Anal Chim Acta* 2007 **594** (2) 211  
Synthesis of haptens and development of a sensitive immunoassay for tetracycline residues - Application to honey samples
- Poustka J, Dunovska L, Hajslova J, Holadova K// Inst Chem Technol, Dept Food Chem & Anal, Technicka 5, CZ-16628 Prague 6, Czech Republic  
*Czech J Food Sci* 2007 **25** (4) 221  
Determination and occurrence of bisphenol A, bisphenol A diglycidyl ether, and bisphenol F diglycidyl ether, including their derivatives, in canned foodstuffs from the Czech retail market
- Purcaro G, Morrison P, Moret S, Conte LS, Marriott PJ// Univ Udine, Dept Food Sci, Via Marangoni 97, IT-33100 Udine, Italy  
*J Chromatogr A* 2007 **1161** (1-2) 284  
Determination of polycyclic aromatic hydrocarbons in vegetable oils using solid-phase microextraction-comprehensive two-dimensional gas chromatography coupled with time-of-flight mass spectrometry
- Saranwong S, Kawano S// Natl Food Res Inst, 2-1-12 Kannondai, Tsukuba, Ibaraki 305 8642, Japan  
*J Near Infrared Spectrosc* 2007 **15** (4) 227  
The reliability of pesticide determinations using near infrared spectroscopy and the dry-extract system for infrared (DESIR) technique
- Schroder U, Machtetzi A// Fed Res Ctr Nutr & Food, Dept Fish Qual, Palmaille 9, DE-22767 Hamburg, Germany  
*Eur Food Res Technol* 2007 **225** (5-6) 627  
Determination of flumequine, nalidixic acid and oxolinic acid in shrimps by high-performance liquid chromatography with fluorescence detection
- Shao B, Jia X, Wu Y, Hu J, Tu X, Zhang J// Beijing Ctr Dis Control & Prevent, CN-100013 Beijing, Peoples Rep China  
*Rapid Commun Mass Spectrom* 2007 **21** (21) 3487  
Multi-class confirmatory method for analyzing trace levels of tetracycline and quinolone antibiotics in pig tissues by ultra-performance liquid chromatography coupled with tandem mass spectrometry
- Shim JH, Abd El-Aty AM, Choi JH, Choi YS// Chonnam Natl Univ, Coll Agric & Life Sci, Inst Agric Sci & Technol, Nat Prod Chem Lab, 300 Yong Bong dong, Buk gu, Kwangju 500 757, South Korea  
*Biomed Chromatogr* 2007 **21** (7) 695  
Post-harvest HPLC determination of chlorfluzuron residues in pears treated with different programs
- Soler C, James KJ, Pico Y\*// \*Univ Valencia, Fac Farm, Lab Bromatol & Toxicol, Av Vicent Andres Estelles s/n, ES-46100 Burjassot, Spain  
*J Chromatogr A* 2007 **1157** (1-2) 73  
Capabilities of different liquid chromatography tandem mass spectrometry systems in determining pesticide residues in food - Application to estimate their daily intake
- Titato GM, Bicudo RC, Lancas FM\*// \*Univ Sao Paulo, Inst Quim Sao Carlos, Av Trabalhador Sancarlene 400, BR-13566-590 Sao Carlos, Brazil  
*J Mass Spectrom* 2007 **42** (10) 1348  
Optimization of the ESI and APCI experimental variables for the LC/MS determination of s-triazines, methylcarbamates, organophosphorus, benzimidazoles, carbamate and phenylurea compounds in orange samples
- Vastarella W, Rosa V, Creminini C, Della Seta L, Montoreali MR, Pilloton R\*// \*ENEA, CR Casaccia, Via Anguillarese 301-SP061, IT-00060 Rome, Italy  
*Int J Environ Anal Chem* 2007 **87** (10-11) 689  
A preliminary study on electrochemical biosensors for the determination of total cholinesterase inhibitors in strawberries
- Vidal JLM, Moreno JLF, Liebanas FJA, Frenich AG// Univ Almeria, Dept Anal Chem, Res Grp Anal Chem Contaminants, ES-04071 Almeria, Spain  
*JAOAC Int* 2007 **90** (4) 1146  
Application of low-pressure gas chromatography/tandem mass spectrometry to the determination of pesticide residues in tropical fruits
- Wang Z, Zhang S, Nesterenko IS, Eremin SA, Shen J\*// \*China Agric Univ, Coll Vet Med, Dept Vet Pharmacol & Toxicol, CN-100094 Beijing, Peoples Rep China  
*J Agric Food Chem* 2007 **55** (17) 6871  
Monoclonal antibody-based fluorescence polarization immunoassay for sulfamethoxyypyridazine and sulfachloropyridazine
- Zhao C, Liu W, Ling H, Lu S, Zhang Y, Liu J, Xi R\*// \*Shandong Univ, Sch Chem & Chem Engn, CN-250100 Jinan, Shandong, Peoples Rep China  
*J Agric Food Chem* 2007 **55** (17) 6879  
Preparation of anti-gatifloxacin antibody and development of an indirect competitive enzyme-linked immunosorbent assay for the detection of gatifloxacin residue in milk
- Zhou JH, Xue XF\*, Li Y, Zhang JZ, Wu LM, Chen LZ, Zhao J// \*Chinese Acad Agric Sci, Apicultural Res Inst, Minist Agric, Bee Product Quality Supervision & Testing Ctr, CN-100093 Beijing, Peoples Rep China  
*J Sep Sci* 2007 **30** (12) 1912  
Rapid and sensitive determination of two degradation products of flumethrin in honey by ultrasonically assisted extraction and gas chromatography with electron capture detection

## 9. Toxins/Allergens

- Abdel-Aal ESM, Miah K, Young JC, Rabalski I// Agric & Agri-Food Canada, Food Res Program, 93 Stone Rd, Guelph, Ontario, Canada N1G5C9  
*JAOAC Int* 2007 **90** (4) 995  
Comparison of four C18 columns for the liquid chromatographic determination of deoxynivalenol in naturally contaminated wheat
- Artigas ML, Vale PJV\*, Gomes SS, Botelho MJ, Rodrigues SM, Arnorim A// \*Inst Nacl Invest Agraria & Pescas - IPIMAR, Av Brasilia s/n, PT-1449-006 Lisbon, Portugal  
*J Chromatogr A* 2007 **1160** (1-2) 99  
Profiles of paralytic shellfish poisoning toxins in shellfish from Portugal explained by carbamoylase activity
- De la Iglesia P, Gago-Martinez A\*, Yasumoto T// \*Univ Vigo, Fac Quim, Dept Quim Anal & Alimentaria, Campus Lagoas, Marcosende, ES-36310 Vigo, Spain  
*J Chromatogr A* 2007 **1156** (1-2) 160  
Advanced studies for the application of high-performance capillary electrophoresis for the analysis of yessotoxin and 45-hydroxyessotoxin
- De Luis R, Perez MD\*, Sanchez L, Lavilla M, Calvo M// \*Fac Vet, Miguel Servet 177, ES-50013 Zaragoza, Spain  
*J Food Prot* 2007 **70** (7) 1691  
Development of two immunoassay formats to detect  $\beta$ -lactoglobulin: Influence of heat treatment on  $\beta$ -lactoglobulin immunoreactivity and assay applicability in processed food
- Diener M, Erler K, Christian B, Luckas B// Univ Jena, Inst Nutr, Dept Food Chem, Dornburger Str 25, DE-07743 Jena, Germany  
*J Sep Sci* 2007 **30** (12) 1821  
Application of a new zwitterionic hydrophilic interaction chromatography column for determination of paralytic shellfish poisoning toxins
- Erbs M, Hartmann N, Bucheli TD\*// \*Agroscope Reckenholz-Tanikon Res Stn ART, Reckenholzstr 191, CH-8046 Zurich, Switzerland  
*JAOAC Int* 2007 **90** (4) 1197  
Determination of the cross-reactivities for  $\alpha$ -zearalenol,  $\beta$ -zearalenol, zearalanone,  $\alpha$ -zearalanol, and  $\beta$ -zearalanol on three commercial immunoaffinity columns targeting zearalenone

- Flamini R, Dalla Vedova A, De Rosso M, Panighel A// CRA, Inst Sperimentale Viticoltura, Lab Chim, Viale XXVIII Aprile 26, IT-31015 Conegliano, Italy  
*Rapid Commun Mass Spectrom* 2007 **21** (22) 3737  
A new sensitive and selective method for analysis of ochratoxin A in grape and wine by direct liquid chromatography/surface-activated chemical ionization tandem mass spectrometry
- Fonfria ES, Vilarino N, Campbell K, Elliott C, Haughey SA, Ben-Gigirey B, Vieites JM, Kawatsu K, Botana LM\*// \*Univ Santiago de Compostela, Fac Vet, Dept Farmacol, ES-27002 Lugo, Spain  
*Anal Chem* 2007 **79** (16) 6303  
Paralytic shellfish poisoning detection by surface plasmon resonance-based biosensors in shellfish matrices
- Fux E, McMillan D, Bire R, Hess P// Marine Inst, Biotoxins Chem, Galway, Rep Ireland  
*J Chromatogr A* 2007 **1157** (1-2) 273  
Development of an ultra-performance liquid chromatography-mass spectrometry method for the detection of lipophilic marine toxins
- Gil-Agusti M, Carda-Broch S, Monferrer-Pons L, Esteve-Romero J// Univ Jaume I, ESTCE, QFA, Area Quim Anal, ES-12006 Castellon de la Plana, Spain  
*J Chromatogr A* 2007 **1156** (1-2) 288  
Simultaneous determination of tyramine and tryptamine and their precursor amino acids by micellar liquid chromatography and pulsed amperometric detection in wines
- He XH, Carter JM, Brandon DL, Cheng LW, McKeon TA\*// \*USDA/ARS, Western Reg Res Ctr, Albany, Ca 94710, USA  
*J Agric Food Chem* 2007 **55** (17) 6897  
Application of a real time polymerase chain reaction method to detect castor toxin contamination in fluid milk and eggs
- Hong CY, Chen YC\*// \*Natl Chiao Tung Univ, Dept Appl Chem, Hsinchu 300, Taiwan  
*J Chromatogr A* 2007 **1159** (1-2) 250  
Selective enrichment of ochratoxin A using human serum albumin bound magnetic beads as the concentrating probes for capillary electrophoresis/electrospray ionization-mass spectrometric analysis
- Kleivdal H, Kristiansen SI, Nilsen MV, Briggs L// Biosense Laboratories AS, HIB-Thormohlensgate 55, NO-5008 Bergen, Norway  
*J AOAC Int* 2007 **90** (4) 1000  
Single-laboratory validation of the biosense direct competitive enzyme-linked immunosorbent assay (ELISA) for determination of domoic acid toxins in shellfish
- Kleivdal H, Kristiansen SI, Nilsen MV, Goksoyr A, Briggs L, Holland P, McNabb P// Address as above  
*J AOAC Int* 2007 **90** (4) 1011  
Determination of domoic and toxins in shellfish by Biosense ASP ELISA—A direct competitive enzyme-linked immunosorbent assay: Collaborative study
- Kononenko GP, Burkin AA// Russian Acad Agric Sci, All Russia Res Inst Vet Sanit Hyg & Ecol, Zvenigorodskoe sh 5, RU-123022 Moscow, Russia  
*J Anal Chem Engl Tr* 2007 **62** (7) 691  
Immunoenzyme method for the determination of citrinin
- Krska R, Schubert-Ullrich P, Josephs RD, Emteborg H, Buttinger G, Pettersson H, Van Egmond HP, Schothorst RC, MacDonald S, Chan D// Univ Nat Resources & Appl Life Sci, Dept Agrobiotechnol, Ctr Anal Chem, Konrad Lorenz Str 20, AT-3430 Tulln, Austria  
*Anal Bioanal Chem* 2007 **388** (5-6) 1215  
Determination of molar absorptivity coefficients for major type-B trichothecenes and certification of calibrators for deoxynivalenol and nivalenol
- Lattanzio VMT, Solfrizzo M, Powers S, Visconti A// Nat Res Council, Inst Sci Food Prod, Via Amendola 122/O, IT-70126 Bari, Italy  
*Rapid Commun Mass Spectrom* 2007 **21** (20) 3253  
Simultaneous determination of aflatoxins, ochratoxin A and *Fusarium* toxins in maize by liquid chromatography/tandem mass spectrometry after multitoxin immunoaffinity cleanup
- Muscarella M, Lo Magro S, Palermo C, Centonze D\*// \*Univ Foggia, Dipt Sci Agro-Ambientali Chim & Difesa Veg, Via Napoli 25, IT-71100 Foggia, Italy  
*Anal Chim Acta* 2007 **594** (2) 257  
Validation according to European Commission Decision 2002/657/EC of a confirmatory method for aflatoxin M<sub>1</sub> in milk based on immunoaffinity columns and high performance liquid chromatography with fluorescence detection
- Nemedi E, Ujhelyi G, Gelencser E// Cent Food Res Inst, Dept Food Safety, Unit Biol, Herman Otto ut 15, HU-1022 Budapest, Hungary  
*Acta Aliment* 2007 **36** (2) 241  
Detection of gluten contamination with PCR method
- Ozay G, Seyhan F, Yilmaz A, Whitaker TB\*, Slate AB, Giesbrecht FC// \*TUBITAK, Food Inst, POB 21, Marmara Res Ctr, TR-41470 Gebze Kocaeli, Turkey  
*J AOAC Int* 2007 **90** (4) 1028  
Sampling hazelnuts for aflatoxin: Effects of sample size and accept/reject limit on reducing the risk of misclassifying lots
- Park DL, Whitaker TB\*, Simonson J, Morris HF, Durr B, Njapau H// \*Louisiana State Univ, Dept Food Sci, Agric Ctr, Baton Rouge, La 70803, USA  
*J AOAC Int* 2007 **90** (4) 1036  
Determining the variability associated with testing shelled corn for aflatoxin using different analytical procedures in Louisiana in 1998
- Scotter MJ, Roberts DPT// Dept Environm Food & Rural Affairs, Cent Sci Lab, York YO41 1LZ, England  
*J Chromatogr A* 2007 **1157** (1-2) 386  
Development and validation of a rapid headspace gas chromatography-mass spectrometry method for the determination of diethyl ether and acetone residues in Tween extracts of shellfish intended for mouse bioassay for diarrhoeic toxins
- Tanabe S, Miyauchi E, Muneshige A, Mio K, Sato C, Sato M\*// \*Itoham Foods Inc, Cent Res Inst, Ibaraki 302 0104, Japan  
*Biosci Biotechnol Biochem* 2007 **71** (7) 1663  
PCR method of detecting pork in foods for verifying allergen labeling and for identifying hidden pork ingredients in processed foods
- Trucksess MW, Weaver CM, Oles CJ, Rump LV, White KD, Betz JM, Rader JI// US/FDA, 5100 Paint Branch Pkwy, College Park, Md 20740, USA  
*J AOAC Int* 2007 **90** (4) 1042  
Use of multitoxin immunoaffinity columns for determination of aflatoxins and ochratoxins a in ginseng and ginger
- Tsai WC, Hsieh CK// Chinese Culture Univ, Grad Inst Biotechnol, Taipei, Taiwan  
*Anal Lett* 2007 **40** (10) 1979  
QCM-based immunosensor for the determination of ochratoxin A
- Versilovskis A, Bartkevics V, Mikelsone V// Natl Diagnost Ctr, Food & Environm Invest Lab, Lejupes iela 3, LV-1076 Riga, Latvia  
*J Chromatogr A* 2007 **1157** (1-2) 467  
Analytical method for the determination of sterigmatocystin in grains using high-performance liquid chromatography-tandem mass spectrometry with electrospray positive ionization
- Whitaker TB, Doko MB, Maestroni BM, Slate AB, Ogunbanwa BF// Nth Carolina State Univ, USDA/ARS, Box 7625, Raleigh, NC 27695, USA  
*J AOAC Int* 2007 **90** (4) 1050  
Evaluating the performance of sampling plans to detect fumonisin B<sub>1</sub> in maize lots marketed in Nigeria
- Whitaker TB, Saltsman JJ, Ware GM, Slate AB// Nth Carolina State Univ, USDA/ARS, Box 7625, Raleigh, NC 27695, USA  
*J AOAC Int* 2007 **90** (4) 1060  
Evaluating the performance of sampling plans to detect hypoglycin A in ackee fruit shipments imported into the United States
- Yano T, Sakai Y, Uchida K, Nakano Y, Ishihata K, Nakano S, Yamada T, Sakai S, Urisu A, Akiyama H\*, Maitani T// \*Natl Inst Hlth Sci, 1-18-1 Kamiyoga, Setagaya ku, Tokyo 158 8501, Japan  
*Biosci Biotechnol Biochem* 2007 **71** (7) 1793  
Detection of walnut residues in processed foods by polymerase chain reaction

## 10. Additives

- Brod FCA, Arisi ACM\*// \*Univ Fed Santa Catarina, Dept Ciencia & Tecnol Alimentos, Ctr Ciencias Agrarias, BR-88003-400 Florianopolis, SC, Brazil  
*J Sci Food Agric* 2007 **87** (10) 1980  
Recombinant DNA in meat additives: Specific detection of Roundup Ready™ soybean by nested PCR
- Garcia-Jimenez JF, Valencia MC, Capitan-Vallvey LF\*// \*Univ Granada, Fac Sci, Dept Anal Chem, Campus Fuentenueva, ES-18071 Granada, Spain  
*Anal Chim Acta* 2007 **594** (2) 226  
Simultaneous determination of antioxidants, preservatives and sweetener additives in food and cosmetics by flow injection analysis coupled to a monolithic column
- Gonzalo-Lumbreras R, Muniz-Valencia R, Santos-Montes A, Izquierdo-Hornillos R\*// \*Univ Complutense, Fac Ciencias Quim, Dept Quim Anal, ES-28040 Madrid, Spain  
*J Chromatogr A* 2007 **1156** (1-2) 321  
Liquid chromatographic method development for steroids determination (corticoids and anabolics) Application to animal feed samples
- Karaoglan GK, Gumrukcu G, Ozgur MU\*, Bozdogan A, Asci B// \*Yildiz Tech Univ, Dept Chem, TR-34210 Istanbul, Turkey  
*Anal Lett* 2007 **40** (10) 1893  
Abilities of partial least-squares (PLS-2) multivariate calibration in the analysis of quaternary mixture of food colors (E-110, E-122, E-124, E-131)
- Kishi H, Yamada T// Kanagawa Prefectural Inst Publ Hlth, 1-3-1 Shimomachiya, Chigasaki, Kanagawa 253 008, Japan  
*J Food Hyg Soc Jpn* 2007 **48** (3) 58  
Simultaneous determination of nine kinds of preservatives in foods by HPLC (Japanese, English Abstract)

- Lafeuille JL, Lefevre S, Achouri D// McCormick France, Cent Anal Lab, 999 Ave Marches, FR-84200 Carpentras, France  
*J AOAC Int* 2007 **90** (4) 1090  
Determination of added sulfites in dried garlic with a modified version of the optimized Monier-Williams method
- Mortensen A, Geppel A// Chr Hansen A/S, Boge Alle 10-12, DK-2970 Horsholm, Denmark  
*Innov Food Sci Emerg Technol* 2007 **8** (3) 419  
HPLC-MS analysis of the green food colorant sodium copper chlorophyllin
- Nomura C, Kitagawa M, Yoshida M, Tanaka Y// Osaka Prefecture Inst Publ Hlth, 1-3-69 Nakamichi, Higashinari ku, Osaka 537 0025, Japan  
*J Food Hyg Soc Jpn* 2007 **48** (3) 64  
Determination of polysorbates in foods by solid-phase extraction and high-performance liquid chromatography (Japanese, English Abstract)
- Oka H, Ozeki N, Hayashi T, Itakura Y// Kinjogakuin Univ, Sch Pharm, Moriyama ku, Nagoya, Aichi 463 8521, Japan  
*J Liq Chromatogr Relat Technol* 2007 **30** (14) 2021  
Analysis of natural colorings in foods by thin layer chromatography
- Wen Y, Wang Y, Feng YQ// \*Wuhan Univ, Dept Chem, CN-430072 Wuhan, Peoples Rep China  
*Anal Bioanal Chem* 2007 **388** (8) 1779  
A simple and rapid method for simultaneous determination of benzoic and sorbic acids in food using in-tube solid-phase microextraction coupled with high-performance liquid chromatography
- Zhang LY, Wang ZY, Chang BY, Yang WJ// China Agric Univ, State Key Lab Anim Nutr, CN-100094 Beijing, Peoples Rep China  
*J AOAC Int* 2007 **90** (4) 885  
Determination of apramycin in animal feeds by solid-phase extraction and liquid chromatography with precolumn derivatization and fluorescence detection
- ## 11. Flavours & aromas
- Bahceci KS, Acar J// Univ Hecettepe, Dept Food Engr, TR-06800 Ankara, Turkey  
*Eur Food Res Technol* 2007 **225** (5-6) 873  
Determination of guaiacol produced by *Alicyclobacillus acidoterrestris* in apple juice by using HPLC and spectrophotometric methods, and mathematical modeling of guaiacol production
- Chen WC, Zhou PZ\*, Wong-Moon KC, Cauchon NS// \*Amgen Inc, Dept Pharmaceut, 1 Amgen Ctr Dr, Thousand Oaks, Ca 91320, USA  
*J Pharm Biomed Anal* 2007 **44** (2) 450  
Identification of volatile degradants in formulations containing sesame oil using SPME/GC/MS
- Costa Araujo H, Goncalves Lacerda ME, Lopes D, Ribeiro Bizzo H, Coelho Kaplan MA// Unidade Rio de Janeiro, Ctr Fed Educ Tecnol Quim, Rua Senador Furtado, 121 Maracana, BR-20270-021 Rio de Janeiro, Brazil  
*Phytochem Anal* 2007 **18** (6) 469  
Studies on the aroma of mate (*Ilex paraguariensis* St. Hil.) using headspace solid-phase microextraction
- Davis CB, Markey CE, Busch MA, Busch KW// \*Baylor Univ, Dept Chem & Biochem, Ctr Anal Spect, One Bear Place 97348, Waco, Tx 76798, USA  
*J Agric Food Chem* 2007 **55** (15) 5925  
Determination of capsaicinoids in habanero peppers by chemometric analysis of UV spectral data
- De Rijke E, Bouter N, Ruisch BJ, Haiber S, Konig T// Quest Int, Dept Anal Res & Dev, Huizerstraatweg 28, NL-1411 GP Naarden, The Netherlands  
*J Chromatogr A* 2007 **1156** (1-2) 296  
Identification of *N*-glucosyl ethanolamine in wine by negative electrospray ionization with post-column chloride attachment and accurate mass determination on a triple-quadrupole mass spectrometer
- De Rijke E, Ruisch B, Bakker J, Visser J, Leenen J, Haiber S, De Klerk A, Winkel C, Konig T// Givaudan, Dept Anal Res, Huizerstraatweg 28, NL-1411 GP Naarden, The Netherlands  
*J Agric Food Chem* 2007 **55** (16) 6417  
LC-MS study to reduce ion suppression and to identify *N*-lactoylguanosine 5'-monophosphate in bonito: A new umami molecule?
- De Souza PP, Augusti DV, Catharino RR, Siebald HGL, Eberlin MN, Augusti R// \*Fed Univ Minas Gerais, Dept Chem, BR-31270-901 Belo Horizonte, MG, Brazil  
*J Mass Spectrom* 2007 **42** (10) 1294  
Differentiation of rum and Brazilian artisan cachaca via electrospray ionization mass spectrometry fingerprinting
- Dyminski DS, Paterno LG\*, Takeda HH, Bolini HMA, Mattoso LHC, Candido LMB// \*EPUSP, Dept Engr Syst Elect, BR-05508 Sao Paulo, Brazil  
*Sensor Lett* 2006 **4** (4) 403  
Correlation between human panel and electronic tongue responses on the analysis of commercial sweeteners
- Farina L, Boido E\*, Carrau F, Dellacassa E// \*Univ Rep Uruguay, Fac Quim, Secc Enol, Gral Flores 2124, UY-11800 Montevideo, Uruguay  
*J Chromatogr A* 2007 **1157** (1-2) 46  
Determination of volatile phenols in red wines by dispersive liquid-liquid microextraction and gas chromatography-mass spectrometry detection
- Garces-Claver A, Gil-Ortega R, Alvarez-Fernandez A, Arnedo-Andres MS// \*CITA, Technol Plant Prod Dept, Apdo 727, ES-50080 Zaragoza, Spain  
*J Agric Food Chem* 2007 **55** (17) 6951  
Inheritance of capsaicin and dihydrocapsaicin, determined by HPLC-ESI/MS, in an intraspecific cross of *Capsicum annum* L.
- Jain V, Prasad V, Singh S, Pal R// Cent Drug Res Inst, Div Pharmaceut, IN-226001 Lucknow, India  
*Nat Prod Commun* 2007 **2** (9) 927  
HPTLC method for the quantitative determination of *ar*-turmerone and turmerone in lipid soluble fraction from *Curcuma longa*
- Karlshoj K, Nielsen PV, Larsen TO// Tech Univ Denmark, Ctr Microbial Biotechnol, Biocentrum-DTU, Bldg 221, DK-2800 Lyngby, Denmark  
*J Food Sci* 2007 **72** (6) M187  
Differentiation of closely related fungi by electronic nose analysis
- Kozukue N, Park MS, Choi SH, Lee SU, Ohnishi-Kameyama M, Levin CE, Friedman M// \*Uiduk Univ, Dept Food Serv Ind, San 50 Yugeom, Gyeongju 780 713, Gyongbuk, South Korea  
*J Agric Food Chem* 2007 **55** (17) 7131  
Kinetics of light-induced *cis-trans* isomerization of four piperines and their levels in ground black peppers as determined by HPLC and LC/MS
- Lamagna A, Reich S\*, Rodriguez D, Boselli A// \*Univ San Martin, Escuela Ciencia & Tecnol, Calle Alem 3901, AR-1653 Buenos Aires, DF, Argentina  
*Sensor Lett* 2006 **4** (3) 253  
Hake freshness assessment with an electronic nose
- Li TM, Zhang ZJ\*, Jiao HY, Zhang L, Tian Y, Chen Y, Pang XY, Zhuang JJ// \*China Pharmaceut Univ, Ctr Instrumental Anal, CN-210009 Nanjing, Peoples Rep China  
*Anal Chim Acta* 2007 **594** (2) 274  
Determination of anethole trithione in human plasma using high performance liquid chromatography coupled with tandem mass spectrometric detection
- Madrera RR, Valles BS// SERIDA, Area Tecnol Alimentos, ES-33300 Villaviciosa, Spain  
*J Chromatogr Sci* 2007 **45** (7) 428  
Determination of volatile compounds in cider spirits by gas chromatography with direct injection
- Martendal E, Budziak D, Debastiani R, Carasek E// \*Univ Fed Santa Catarina, Dept Quim, BR-88040-900 Florianopolis, SC, Brazil  
*Microchim Acta* 2007 **159** (3-4) 229  
Determination of haloanisoles in paper samples for food packaging by solid-phase microextraction and gas chromatography
- Maynor MS, Nelson TL, O'Sullivan C, Lavigne JJ// \*Univ Sth Carolina, Dept Chem & Biochem, 631 Sumter St, Columbia, SC 29208, USA  
*Org Lett* 2007 **9** (17) 3217  
A food freshness sensor using the multistate response from analyte-induced aggregation of a cross-reactive poly(thiophene)
- Parker M, Pollnitz AP\*, Cozzolino D, Francis IL, Herderich MJ// \*Australian Wine Res Inst, PO Box 197, Glen Osmond, SA 5064, Australia  
*J Agric Food Chem* 2007 **55** (15) 5948  
Identification and quantification of a marker compound for 'pepper' aroma and flavor in Shiraz grape berries by combination of chemometrics and gas chromatography-mass spectrometry
- Parpinello GP, Fabbri A\*, Domenichelli S, Mesisca V, Cavicchi L, Versari A// \*Univ Bologna, Agric Econ & Engr Dept, Pzza Goidanich 60, IT-47023 Cesena, FC, Italy  
*Biosyst Eng* 2007 **97** (3) 371  
Discrimination of apricot cultivars by gas multisensor array using an artificial neural network
- Pol J, Ostra EV, Karasek P, Roth M, Benesova K, Kotlarikova P, Caslavsky JJ// Univ Helsinki, Div Pharmaceut Chem, PO Box 56, FI-00014 Helsinki, Finland  
*Anal Bioanal Chem* 2007 **388** (8) 1847  
Comparison of two different solvents employed for pressurised fluid extraction of stevioside from *Stevia rebaudiana*: Methanol versus water
- Rocha SM, Coelho E, Zrostlikova J, Delgado I, Coimbra MA// Univ Aveiro, Dept Quim, PT-3810-193 Aveiro, Portugal  
*J Chromatogr A* 2007 **1161** (1-2) 292  
Comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry of monoterpenoids as a powerful tool for grape origin traceability
- Soria AC, Martinez-Castro I, Sanz J// \*Univ York, Dept Chem, York YO10 5DD, England  
*J Chromatogr A* 2007 **1157** (1-2) 430  
Estimation of recovery by multistep purge-and-trap gas chromatographic-mass spectrometric analysis of honey volatiles

Thakur K, Pitre KS// Dr Hari Singh Gour Vishwavidyalaya, Dept Chem, IN-470003 Sagar, MP, India  
*Rev Anal Chem* 2007 **26** (3) 199  
 Modified electrochemical methods for the determination of eugenol in clove (*Syzygium aromaticum*) and pharmaceutical formulations  
 Wasik A, McCourt J, Buchgraber M// European Commission DG Joint Res Ctr, Inst Reference Materials & Measurements, Retieseweg 111, BE-2440 Geel, Belgium  
*J Chromatogr A* 2007 **1157** (1-2) 187  
 Simultaneous determination of nine intense sweeteners in foodstuffs by high performance liquid chromatography and evaporative light scattering detection - Development and single-laboratory validation

### 13. Animal products

Anderson S// Foss Nth America, 8091 Wallace Rd, Eden Prairie, Mn 55344, USA  
*J AOAC Int* 2007 **90** (4) 1073  
 Determination of fat, moisture, and protein in meat and meat products by using the FOSS FoodScan™ near-infrared spectrophotometer with FOSS artificial neural network calibration model and associated database: Collaborative study  
 Ballin NZ, Madsen KG// Danish Vet & Food Admin, Department Food Chem Regional Vet & Food Control Authority, Soendevang 4, DK-4100 Ringsted, Denmark  
*Meat Sci* 2007 **77** (3) 384  
 Sex determination in beef by melting curve analysis of PCR amplicons from the amelogenin locus  
 Bell JG, Preston T, Henderson RJ, Strachan F, Bron JE, Cooper K, Morrison DJ// Univ Stirling, Inst Aquaculture, Stirling FK9 4LA, Scotland  
*J Agric Food Chem* 2007 **55** (15) 5934  
 Discrimination of wild and cultured european sea bass (*Dicentrarchus labrax*) using chemical and isotopic analyses  
 Chapela MJ, Sanchez A, Suarez MI, Perez-Martin RI, Sotelo CG// \*Inst Invest Marinas - CSIC, Eduardo Cabello 6, ES-36208 Vigo, Pontevedra, Spain  
*J Agric Food Chem* 2007 **55** (17) 6903  
 A rapid methodology for screening hake species (*Merluccius* spp.) by single-stranded conformation polymorphism analysis  
 De la Haba MJ, Garrido-Varo A, Perez-Marin DC, Guerrero JE// Univ Cordoba, ETSIAM, Dept Anim Prod, Campus Rabanales, Ctra Nacl IV km 396, ES-14071 Cordoba, Spain  
*J Near Infrared Spectrosc* 2007 **15** (4) 237  
 Near infrared analysis as a first-line screening technique for identifying animal species in rendered animal by-product meals  
 Dupont D, Lugand D, Rolet-Repecaud O, Degelaen J// INRA, Unite Rech Technol & Anal Laitieres, Pl Champ Foire, FR-39800 Poligny, France  
*J Agric Food Chem* 2007 **55** (17) 6857  
 ELISA to detect proteolysis of ultrahigh-temperature milk upon storage  
 Franchini RAD, De Souza CF, Colombara R, Matos MAC, Matos RC// \*Univ Fed de Juiz de Fora, Inst Ciencias Exatas, Dept Quim, NUPIS, BR-36038-300 Juiz de Fora, MG, Brazil  
*J Agric Food Chem* 2007 **55** (17) 6885  
 Rapid determination of hydrogen peroxide using peroxidase immobilized on Amberlite IRA-743 and minerals in honey  
 Hijaz F, Smith JS\*, Kastner CL// \*Kansas State University, Institute Food Science, Department Animal Sci & Ind, 208 Call Hall, Manhattan, Ks 66506, USA  
*J Food Sci* 2007 **72** (5) C253  
 Evaluation of various ammonia assays for testing of contaminated muscle food products  
 Kasemsunran S, Thanapase W, Kiatsoonthon A// Kasetsart Univ, Kasetsart Agric & Agro-Ind Product Improvement Inst, 50 Pahonyothin, TH-10900 Bangkok, Thailand  
*Anal Sci* 2007 **23** (7) 907  
 Feasibility of near-infrared spectroscopy to detect and to quantify adulterants in cow milk  
 Nakamura YN, Iwamoto H, Yamaguchi T, Ono Y, Nakanishi Y, Tabata S, Nishimura S, Gotoh T// \*Kyushu Univ, Fac Agric, Grad Sch, Kuju Agric Res Ctr, Kuju machi, Oita 878 0201, Japan  
*Anim Sci J* 2007 **78** (4) 445  
 Three-dimensional reconstruction of intramuscular collagen networks of bovine muscle: A demonstration by an immunohistochemical/confocal laser-scanning microscopic method  
 Ofori JA, Hsieh YHP// \*Florida State Univ, Dept Nutr Food & Exercise Sci, Tallahassee, Fl 32306, USA  
*J Agric Food Chem* 2007 **55** (15) 5919  
 Sandwich enzyme-linked immunosorbent assay for the detection of bovine blood in animal feed

Sasazaki S, Mutoh H, Tsurifune K, Mannen H// Kobe Univ, Grad Sch Sci & Technol, Nada ku, Kobe, Hyogo 657 8501, Japan  
*Meat Sci* 2007 **77** (2) 161  
 Development of DNA markers for discrimination between domestic and imported beef  
 Stirtzel S, Andree S, Seuss-Baum I, Schwagele F// Inst Chem & Phys, Bundesforschungstalt Ernährung & Lebensmittel, EC Baumann Str 20, DE-95326 Kulmbach, Germany  
*Fleischwirtschaft* 2007 **87** (6) 86  
 Authentication of the most common poultry species by means of PCR (German, English Abstract)

### 14. Plant & microbial products

Acevedo FJ, Jimenez J, Maldonado S, Dominguez E, Narvaez A// Univ Alcala de Henares, Dept Signal Theory & Commun, ES-288710 Madrid, Spain  
*J Agric Food Chem* 2007 **55** (17) 6842  
 Classification of wines produced in specific regions by UV-visible spectroscopy combined with support vector machines  
 Alimelli A, Filippini D, Paolesse R, Moretti S, Ciolfi G, D'Amico A, Lundstrom I, Di Natale C// \*Univ Roma Tor Vergata, Dept Elect Engn, Via Politecn 1, IT-00133 Rome, Italy  
*Anal Chim Acta* 2007 **597** (1) 103  
 Direct quantitative evaluation of complex substances using computer screen photo-assisted technology: The case of red wine  
 Cabanero AI, San-Hipolito T, Ruperez MI// Minist Agric Pesca y Alimentacion, Lab Arbitral Agroalimentario, Crta Coruna km 10.700, ES-28023 Madrid, Spain  
*Rapid Commun Mass Spectrom* 2007 **21** (20) 3323  
 GasBench/isotope ratio mass spectrometry: A carbon isotope approach to detect exogenous CO<sub>2</sub> in sparkling drinks  
 Canini A, Alesiani D, D'Arcangelo G, Tagliatesta P// Univ Roma Tor Vergata, Dept Biol, IT-00133 Rome, Italy  
*J Food Compos Anal* 2007 **20** (7) 584  
 Gas chromatography-mass spectrometry analysis of phenolic compounds from *Carica papaya* L leaf  
 Casella IG, Colonna C, Contursi M// Univ Basilicata, Dipt Chim Univ, Via N Sauro 85, IT-85100 Potenza, Italy  
*Electroanalysis* 2007 **19** (14) 1503  
 Electroanalytical determination of some phenolic acids by high-performance liquid chromatography at gold electrodes  
 Cassinese C, De Combarieu E, Falzoni N, Pace R\*, Sardone N// \*Indena SpA, Via Don Minzoni 6, IT-20090 Settala, MI, Italy  
*J AOAC Int* 2007 **90** (4) 911  
 New liquid chromatography method with ultraviolet detection for analysis of anthocyanins and anthocyanidins in *Vaccinium myrtillus* fruit dry extracts and commercial preparations  
 De Quiros ARB, Lopez-Hernandez J\*, Ferraces-Casais P, Lage-Yusty MA// \*Univ Santiago de Compostela, Anal Chem Nutr & Food Sci Dept, Campus s/n, ES-15782 Santiago de Compostela, Spain  
*J Sep Sci* 2007 **30** (9) 1262  
 Analysis of non-anthocyanin phenolic compounds in wine samples using high performance liquid chromatography with ultraviolet and fluorescence detection  
 De Temmerman J, Saeyns W, Nicolai B, Ramon H// Katholieke Univ Leuven, BIOSYST-MeBioS, Kasteelpk Arenberg 30, BE-3001 Louvain, Belgium  
*Biosyst Eng* 2007 **97** (3) 313  
 Near infrared reflectance spectroscopy as a tool for the in-line determination of the moisture concentration in extruded semolina pasta  
 Dvorakova M, Hulin P, Karabin M, Dostalek P// Inst Chem Technol, Fac Food & Biochem Technol, Dept Fermentat Chem & Bioengn, Technicka 5, CZ-16628 Prague 6, Czech Republic  
*Czech J Food Sci* 2007 **25** (4) 182  
 Determination of polyphenols in beer by an effective method based on solid-phase extraction and high performance liquid chromatography with diode-array detection  
 Ferreres F, Gil-Izquierdo A, Andrade PB, Valentao P, Tomas-Barberan FA// \*CSIC - CEBAS, Department Food Sci & Technol, Res Grp Qual Safety & Bioactivity Plant Foods, PO Box 164, Campus Espinardo, ES-30100 Murcia, Spain  
*J Chromatogr A* 2007 **1161** (1-2) 214  
 Characterization of C-glycosyl flavones O-glycosylated by liquid chromatography-tandem mass spectrometry  
 Freese L, Scholdberg TA, Burton DD, Norden TD, Shokere LA, Jenkins GR// \*USDA, Grain Inspect Packers & Stockyards Admin, Tech Serv Div, 10383 Nth Ambassador Dr, Kansas City, Mo 64153, USA  
*J Agric Food Chem* 2007 **55** (15) 6060  
 Evaluating homogeneity of LL601 rice in commercial lots using quantitative real-time PCR

- Fu XP, Ying YB\*, Lu HS, Xu HR// \*Zhejiang University, College Biosystems Engineering & Food Sci, 268 Kaixuan St, CN-310029 Hangzhou, Peoples Rep China  
*J Food Eng* 2007 **83** (3) 317  
 Comparison of diffuse reflectance and transmission mode of visible-near infrared spectroscopy for detecting brown heart in pear
- Gomez-Alonso S, Garcia-Romero E, Hermosin-Gutierrez I\*// \*Inst Vid & El Vino Castilla La Mancha, Carretera Toledo Albacete s/n, ES-13700 Tomelloso, Spain  
*J Food Compos Anal* 2007 **20** (7) 618  
 HPLC analysis of diverse grape and wine phenolics using direct injection and multidetection by DAD and fluorescence
- Hatzakis E, Archavlis E, Dais P\*// \*Univ Crete, Dept Chem, NMR Lab, POB 2208, GR-71003 Iraklion, Crete, Greece  
*J Am Oil Chem Soc* 2007 **84** (7) 615  
 Determination of glycerol in wines using <sup>31</sup>P-NMR spectroscopy
- Igne B, Gibson LR, Rippke GR, Schwarte A, Hurburgh CR// Iowa State Univ, Dept Agric & Biosyst Engr, Ames, Ia 50011, USA  
*Cereal Chem* 2007 **84** (4) 328  
 Triticale moisture and protein content prediction by near-infrared spectroscopy (NIRS)
- Innocenti M, Michelozzi M, Giaccherini C, Ieri F, Vincieri FF, Mulinacci N\*// \*Univ Florence, Dipartimento Sci Farmaceut, Via Ugo Schiff 6, IT-50019 Florence, Italy  
*J Agric Food Chem* 2007 **55** (16) 6596  
 Flavonoids and biflavonoids in Tuscan berries of *Juniperus communis* L.: Detection and quantitation by HPLC/DAD/ESI/MS
- Jerz G, Arrey TN, Wray V, Du Q, Winterhalter P// Technical University Braunschweig, Inst Food Chem, Schleinitzstr 20, DE-38106 Braunschweig, Germany  
*Innov Food Sci Emerg Technol* 2007 **8** (3) 413  
 Structural characterization of 13<sup>2</sup>-hydroxy-(13<sup>2</sup>-S)-phaeophytin-a from leaves and stems of *Amaranthus tricolor* isolated by high-speed countercurrent chromatography
- Jin WW, Zhang YZ, Mei S, Xiong Y, Yang Q, Yu LJ// Huazhong Univ Sci & Technol, Coll Sci & Technol, Inst Resource Biol & Biotechnol, CN-430074 Wuhan, Peoples Rep China  
*J Sci Food Agric* 2007 **87** (12) 2251  
 Identification of *Lepidium meyenii* (Walp.) based on spectra and chromatographic characteristics of its principal functional ingredients
- Kodama S, Yamamoto A, Sato A, Suzuki K, Yamashita T, Kemmei T, Taga A, Hayakawa K// Toyama Institute Hlth, 17-1 Nakataikoyama, Toyama 393 0363, Japan  
*J Agric Food Chem* 2007 **55** (16) 6547  
 Enantioseparation of isoxanthohumol in beer by hydroxypropyl- $\gamma$ -cyclodextrin-modified micellar electrokinetic chromatography
- Koyuncu D, Erden PE, Pekyardimci S, Kilic E// Ankara Univ, Inst Biotechnol, Dept Biotechnol, TR-06100 Ankara, Turkey  
*Anal Lett* 2007 **40** (10) 1904  
 A new amperometric carbon paste enzyme electrode for ethanol determination
- Kwak CW, Choung DH, Min SR, Kim SW, Liu JR, Chung H\*// \*Hanyang Univ, Dept Chem, Anal Spect Lab, Haengdang dong, Seongdong gu, Seoul 133 791, South Korea  
*Anal Sci* 2007 **23** (7) 895  
 Fast determination of the ripeness stage of strawberries using infrared spectroscopy combined with principal component analysis
- Lachova M, Lehotay J\*, Karasova G, Skacani I, Armstrong DW// \*Slovak Univ Technol, Fac Chem & Food Technol, Inst Anal Chem, Radlinskeho 9, SL-81237 Bratislava, Slovakia  
*J Liq Chromatogr Relat Technol* 2007 **30** (14) 2045  
 Isolation of L-theanine from plant material using a molecularly imprinted polymer
- Li CM, Gu HF, Dou HL, Zhou LM// Huazhong Agric Univ, Coll Food Sci & Technol, CN-430070 Wuhan, Hubei, Peoples Rep China  
*Eur Food Res Technol* 2007 **225** (5-6) 777  
 Identification of flavanones from peel of *Citrus changshan-huyou* YB Chang by HPLC-MS and NMR
- Liu F, He Y\*, Wang L, Pan HM// \*Zhejiang Univ, Coll Biosyst Engr & Food Sci, CN-310029 Hangzhou, Peoples Rep China  
*J Food Eng* 2007 **83** (3) 430  
 Feasibility of the use of visible and near infrared spectroscopy to assess soluble solids content and pH of rice wines
- Moors S, Blaszkewicz M, Bolt HM, Degen GH\*// \*Univ Dortmund, Inst Arbeitsphysiol, Ardeystr 67, DE-4600 Dortmund, Germany  
*Mol Nutr Food Res* 2007 **51** (7) 787  
 Simultaneous determination of daidzein, equol, genistein and bisphenol A in human urine by a fast and simple method using SPE and GC-MS
- Ornelas-Paz JD, Yahia EM\*, Gardea-Bejar A// \*Univ Autonoma Queretaro, Ave Ciencias s/n, MX-76230 Juriquilla, Queretaro, Mexico  
*J Agric Food Chem* 2007 **55** (16) 6628  
 Identification and quantification of xanthophyll esters, carotenes, and tocopherols in the fruit of seven Mexican mango cultivars by liquid chromatography-atmospheric pressure chemical ionization-time-of-flight mass spectrometry [LC-(APeI<sup>+</sup>)-MS]
- Pedro AMK, Ferreira MMC\*// \*Univ Estadual Campinas, Inst Chem, Dept Phys Chem, Caixa Postal 6154, BR-13084-971 Campinas, SP, Brazil  
*Anal Chim Acta* 2007 **595** (1-2) 221  
 Simultaneously calibrating solids, sugars and acidity of tomato products using PLS2 and NIR spectroscopy
- Pozharitskaya ON, Ivanova SA, Shikov AN\*, Makarov VG// \*Interregional Ctr Adaptogen, 47-5 Piskarevskiy prosp, RU-195067 St Petersburg, Russia  
*J Sep Sci* 2007 **30** (9) 1250  
 Separation and evaluation of free radical-scavenging activity of phenol components of *Embllica officinalis* extract by using an HPTLC-DPPH\* method
- Pujol S, Perez-Vendrell AM, Torralardona D\*// \*IRTA, Mas de Bover, Ctra Reus-El Morell km 3.8, ES-43120 Constanti, Tarragona, Spain  
*Livest Sci* 2007 **109** (1-3) 189  
 Evaluation of prediction of barley digestible nutrient content with near-infrared reflectance spectroscopy (NIRS)
- Putzbach K, Rimmer CA, Sharpless KE, Sander LC// NIST, Anal Chem Div, Gaithersburg, Md 20899, USA  
*J Chromatogr A* 2007 **1156** (1-2) 304  
 Determination of bitter orange alkaloids in dietary supplements standard reference materials by liquid chromatography with ultraviolet absorbance and fluorescence detection
- Qing Z, Ji B, Zude M// China Agric Univ, Coll Food Sci & Nutr Engr, Qinghua Donglu 17, 294, CN-100083 Beijing, Peoples Rep China  
*J Food Qual* 2007 **30** (4) 511  
 Wavelength selection for predicting physicochemical properties of apple fruit based on near-infrared spectroscopy
- Ramirez-Duron R, Ceniceros-Almaguer L, Salazar-Aranda R, Salazar-Cavazos MDLL, De Torres NW\*// \*Univ Autonoma Nuevo Leon, Fac Med, Dept Quim Anal, POB 2316, MX-64841 Monterrey Nuevo Leon, Mexico  
*J AOAC Int* 2007 **90** (4) 920  
 Evaluation of thin-layer chromatography methods for quality control of commercial products containing *Aesculus hippocastanum*, *Turnera diffusa*, *Matricaria recutita*, *Passiflora incarnata* and *Tilia occidentalis*
- Rocchia M, Ellena M, Zeppa G// Ist Nazi Ricerca Metrologica, Strada delle Cacce 91, Turin, Italy  
*J Agric Food Chem* 2007 **55** (15) 5984  
 Determination of ethyl alcohol content in red wines with an optical alcohol meter based on nanostructured silicon
- Shao YN, He Y\*, Feng SJ// \*Zhejiang Univ, Coll Biosyst Engr & Food Sci, 268 Kaixuan, CN-310029 Hangzhou, Peoples Rep China  
*Food Res Int* 2007 **40** (7) 835  
 Measurement of yogurt internal quality through using Vis/NIR spectroscopy
- Shao Y, He Y\*, Bao Y// Address as above  
*Int J Food Prop* 2007 **10** (3) 631  
 A new approach to predict acidity of bayberry juice by using vis/near infrared spectroscopy
- Skrinjar M, Kolar MH, Jelsek N, Hras AR, Bezjak M, Knez Z// Vitiva Ltd, Nova vas pri Markovcih 98, SI-2281 Markovci, Slovenia  
*J Food Compos Anal* 2007 **20** (7) 539  
 Application of HPLC with electrochemical detection for the determination of low levels of antioxidants
- Sorenson WR, Sullivan D// Covance Labs, Kinsman Blvd, Madison, WI, USA  
*J AOAC Int* 2007 **90** (4) 925  
 Determination of aristolochic acid I in botanicals and dietary supplements potentially contaminated with aristolochic acid I using LC-UV with confirmation by LC/MS: Collaborative study
- Walker EB// Weber State Univ, Dept Chem, Ogden, Ut 84403, USA  
*J Sep Sci* 2007 **30** (9) 1229  
 HPLC analysis of selected xanthenes in mangosteen fruit
- Xing J, De Baerdemaeker J// Michigan State Univ, Farrall Hall, East Lansing, Mi 48824, USA  
*Postharvest Biol Technol* 2007 **45** (2) 176  
 Fresh bruise detection by predicting softening index of apple tissue using VIS/NIR spectroscopy
- Zielinska D, Szawara-Nowak D, Zielinski H// Univ Warmia & Mazury Olsztyn, Pl Lodzki 4, PL-10957 Plsztytn, Poland  
*J Agric Food Chem* 2007 **55** (15) 6124  
 Comparison of spectrophotometric and electrochemical methods for the evaluation of the antioxidant capacity of buckwheat products after hydrothermal treatment