

## Bibliography of analytical, nutritional and clinical methods

(2 weeks journals. Search completed at 7th June 2006)

### 1. Books, reviews & symposia

- Andreu V, Pico Y\*// \*Fac Pharm, Lab Bromatol & Toxicol, Av Vicent Andres Estelles s/n, ES-46100 Valencia, Spain  
*Curr Anal Chem* 2005 **1** (3) 241  
Liquid chromatography-ion trap-mass spectrometry and its application to determine organic contaminants in the environment and food
- Cifuentes A// Inst Ind Fermentation - CSIC, Dept Food Anal, C/ Juan Cierva 3, ES-28006 Madrid, Spain  
*Electrophoresis* 2006 **27** (1) 283  
Recent advances in the application of capillary electromigration methods for food analysis
- Hernandez M, Rodriguez-Lazaro D, Ferrando A// Univ Valencia, Fac Biol, Dept Biochem & Mol Biol, Campus Burjassot, C/ Dr Moliner 50, ES-46100 Valencia, Spain  
*Curr Anal Chem* 2005 **1** (2) 203  
Current methodology for detection, identification and quantification of genetically modified organisms
- Ladislav F, Vera P\*, Karel S, Karel V// \*Charles Univ, Dept Anal Chem, Albertov 2030, CZ-12840 Prague 2, Czech Republic  
*Curr Anal Chem* 2005 **1** (1) 93  
Reliability of carotenoid analyses: A review

### 2. General

- Ramos-Cabrer P, Van Duynhoven JPM\*, Timmer H, Nicolay K// \*UFHRI, Olivier van Noortlaan 120, NL-3133 AT Vlaardingen, The Netherlands  
*J Agric Food Chem* 2006 **54** (3) 672  
Monitoring of moisture redistribution in multicomponent food systems by use of magnetic resonance imaging

### 3. Amino acids, proteins & enzymes

- Bosch L, Alegria A, Farre R\*// \*Univ Valencia, Fac Pharm, Avda Vicente Andres Estelles s/n, ES-46100 Valencia, Spain  
*J Chromatogr B* 2006 **831** (1-2) 176  
Application of the 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate (AQC) reagent to the RP-HPLC determination of amino acids in infant foods
- Cunsolo V, Muccilli V, Saletti R, Marletta D, Foti S\*// \*Univ Catania, Dipt Sci Chim, Viale A Doria 6, IT-95125 Catania, Italy  
*Rapid Commun Mass Spectrom* 2006 **20** (7) 1061  
Detection and characterization by high-performance liquid chromatography and mass spectrometry of two truncated goat  $\alpha_{s2}$ -caseins
- Garcia-Ruiz C, Garcia MA, Garcia MC, Marina ML\*// \*Univ Alcala de Henares, Dept Quim Anal, ES-28871 Alcala de Henares, Madrid, Spain  
*Electrophoresis* 2006 **27** (2) 452  
Development of a capillary electrophoresis method for the determination of soybean proteins in soybean-rice gluten-free dietary products
- Hashimoto K, Sato K\*, Nakamura Y, Ohtsuki K// \*Kyoto Prefectural Univ, Dept Food Sci & Nutr Hlth, Kyoto 606 8522, Japan  
*J Agric Food Chem* 2006 **54** (3) 650  
Development of continuous type apparatus for ampholyte-free isoelectric focusing (autofocusing) of peptides in protein hydrolysates

- Levieux D, Levieux A, El-Hatmi H, Rigaudiere JP// INRA, Immunochem Unit, Theix, FR-63122 St-Genes-Champanelle, France  
*J Dairy Res* 2006 **73** (1) 1  
Immunochemical quantification of heat denaturation of camel (*Camelus dromedarius*) whey proteins
- Steffan W, Balzer HH, Lippert F, Sambor BC, Bradbury AGW, Henle T// Kraft Foods R&D Inc, Bayerwaldstr 8, DE-81737 Munich, Germany  
*Eur Food Res Technol* 2006 **222** (3-4) 467  
Characterization of casein lactosylation by capillary electrophoresis and mass spectrometry

### 4. Carbohydrates

- Dreisewerd K, Kolbl S, Peter-Katalinic J, Berkenkamp S, Pohlentz G// Univ Munster, Inst Med Phys & Biophys, Robert Koch Str 31, DE-48149 Munster, Germany  
*J Am Soc Mass Spectrom* 2006 **17** (2) 139  
Analysis of native milk oligosaccharides directly from thin-layer chromatography plates by matrix-assisted laser desorption/ionization orthogonal-time-of-flight mass spectrometry with a glycerol matrix
- Normand V, Avaltroni F, Bouquerand PE// Firmenich Co, Corp R&D Div, POB 148, CH-1217 Geneva 2, Switzerland  
*J Chromatogr Sci* 2006 **44** (2) 91  
Mathematical discretization of size-exclusion chromatograms applied to commercial corn maltodextrins
- Wu J, Zhang Y, Wang L, Xie BJ\*, Wang HB, Deng SP// \*Huazhong Agr University, College Food Sci & Technol, CN-430070 Wuhan, Peoples Rep China  
*J Agric Food Chem* 2006 **54** (3) 925  
Visualization of single and aggregated hullless oat (*Avena nuda* L.) (1→3), (1→4)- $\beta$ -D-glucan molecules by atomic force microscopy and confocal scanning laser microscopy

### 5. Lipids

- Asis C, Baroy R, Bendijo S, Hansen SL\*, Nacion V, Tolimao J// \*Cargill Inc, POB 5699, Minneapolis, Mn 55440, USA  
*J Am Oil Chem Soc* 2006 **83** (1) 11  
Supercritical fluid extraction to determine the oil content in copra and extracted meal
- Christophoridou S, Dais P// Univ Crete, Dept Chem, NMR Lab, GR-71409 Iraklion, Greece  
*J Agric Food Chem* 2006 **54** (3) 656  
Novel approach to the detection and quantification of phenolic compounds in olive oil based on  $^{31}\text{P}$  nuclear magnetic resonance spectroscopy
- Foo SY, Cuppett S, Schlegel V\*// \*Univ Nebraska, Dept Food Sci & Technol, 143 Filley Hall, Lincoln, Ne 68583, USA  
*J Am Oil Chem Soc* 2006 **83** (1) 15  
Evaluation of SafTest™ methods for monitoring frying oil quality
- Fox G, Cruickshank A// Dept Primary Ind & Fisheries, POB 2282, Toowoomba, Qld 4350, Australia  
*J Near Infrared Spectrosc* 2005 **13** (5) 287  
Near infrared reflectance as a rapid and inexpensive surrogate measure for fatty acid composition and oil content of peanuts (*Arachis hypogaea* L.)

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

Franco D, Nunez MJ\*, Pinelo M, Sineiro J// \*Univ Santiago de Compostela, Escuela Tecn Super Ingn, Dept Ingn Quim, Rua Lope Gomez de Marzoa s/n, ES-15782 Santiago de Compostela, Spain

*Eur Food Res Technol* 2006 **222** (3-4) 443

Applicability of NIR spectroscopy to determine oil and other physicochemical parameters in Rosa mosqueta and Chilean hazelnut

Golebiowski T, Leong AS, Panozzo JF// Dept Primary Ind Horsham, Private Bag 260, Horsham, Vic 3401, Australia

*J Near Infrared Spectrosc* 2005 **13** (5) 255

Near infrared reflectance spectroscopy of oil in intact canola seed (*Brassica napus* L.) II. Association between principal components and oil content

Lay JO, Liyanage R, Durham B, Brooks J// Univ Arkansas, Dept Chem, O-216 Poultry Sci Bldg, Fayetteville Ar 72711, USA

*Rapid Commun Mass Spectrom* 2006 **20** (6) 952

Rapid characterization of edible oils by direct matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis using triacylglycerols

Sakurabayashi I, Watano T, Inaba N, Kishi K, Yamashita K, Kayamori Y// Jichi Med Sch, Dept Lab Med, Omiya Med Ctr, 1-847 Amanuma, Saitama 330 8503, Japan

*Clin Chim Acta* 2006 **364** (1-2) 246

Proposal of automation of candidate reference method for the accurate serum cholesterol assay in clinical laboratories

Torbica A, Jovanovic O, Pajin B// \*Univ Novi Sad, Fac Technol, Dept Carbohydrate Foods Technol, Bul Cara Lazara 1, YU-21000 Novi Sad, Serbia & Montenegro, Yugoslavia

*Eur Food Res Technol* 2006 **222** (3-4) 385

The advantages of solid fat content determination in cocoa butter and cocoa butter equivalents by the Karlshamms method

Zhang X, Cambrai A, Miesch M, Roussi S, Raul F, Aoude-Werner D, Marchioni E// \*Univ Louis Pasteur, Fac Pharm, Lab Chim Analyt & Sci Aliment, LC4, UMR 7178, 74 Route Rhin, FR-67400 Illkirch, France

*J Agric Food Chem* 2006 **54** (4) 1196

Separation of  $\Delta^5$ - and  $\Delta^7$ -phytosterols by adsorption chromatography and semipreparative reversed phase high-performance liquid chromatography for quantitative analysis of phytosterols in foods

## 6. Vitamins & co-factors

Holler U, Wachter F, Wehrli C, Fizet C// DSM Nutr Prod, Anal Res Ctr, POB 3255, CH-4002 Basel, Switzerland

*J Chromatogr B* 2006 **831** (1-2) 8

Quantification of biotin in feed, food, tablets, and premixes using HPLC-MS/MS

Ostermeyer U, Schmidt T// Fed Res Ctr Nutr & Food, Dept Fish Qual, Palmaille 9, DE-22767 Hamburg, Germany

*Eur Food Res Technol* 2006 **222** (3-4) 403

Vitamin D and provitamin D in fish - Determination by HPLC with electrochemical detection

Tang PH// Cincinnati Childrens Hosp, Med Ctr, 3333 Burnet Ave, Cincinnati, Oh 45229, USA

*J AOAC Int* 2006 **89** (1) 35

Determination of coenzyme Q<sub>10</sub> in over-the-counter dietary supplements by high-performance liquid chromatography with coulometric detection

Zhao SL, Yuan HY, Xie C, Xiao D// \*Sichuan Univ, Coll Chem Engr, CN-610065 Chengdu, Peoples Rep China

*J Chromatogr A* 2006 **1107** (1-2) 290

Determination of folic acid by capillary electrophoresis with chemiluminescence detection

## 7. Trace elements & minerals

Cancela S, Yebra MC// \*Univ Santiago de Compostela, Fac Chem, Dept Anal Chem Nutr & Bromatol, ES-15782 Santiago de Compostela, Spain

*J AOAC Int* 2006 **89** (1) 185

Flow-injection flame atomic absorption spectrometric determination of trace amounts of cadmium in solid and semisolid milk products coupling a continuous ultrasound-assisted extraction system with the online preconcentration on a chelating aminomethylphosphoric acid resin

Lemos VA, Gama EM, Lima AD// Univ Estadual Sudoeste Bahia, Dept Quim & Exatas, R Jose Moreira Sobrinho s/n, Campus Jequie, BR-45200-000 Jequiezinho, Brazil

*Microchim Acta* 2006 **153** (3-4) 179

On-line preconcentration and determination of cadmium, cobalt and nickel in food samples by flame atomic absorption spectrometry using a new functionalized resin

Lemos VA, Vieira DR, Novaes CG, Rocha ME, Santos MS, Yamaki RT// Address as above

*Microchim Acta* 2006 **153** (3-4) 193

Preconcentration systems using polyurethane foam/Me-BDBD for determination of copper in food samples

Li ZJ, Tang J, Pan JM// Sthn Yangtze Univ, Coll Chem & Mat Engr, CN-241036 Wuxi, Peoples Rep China

*Food Control* 2006 **17** (7) 551

Determination of cadmium in tableware leach solutions by spectrophotometry using 2,6-dimethylphenyldiazoaminobenzene

Singh I, Sharma A, Yadav SK, Singh D// Maharshi Dayanand Univ, Dept Chem, IN-124001 Rohtak, Haryana, India

*J Indian Chem Soc* 2006 **83** (1) 97

A bis-azo dye as a chromogenic reagent for determining traces of copper in foodstuffs, blood sera and body tissues

## 8. Drug, biocide & processing residues

Bailac S, Barron D, Sanz-Nebot V, Barbosa J// \*Univ Barcelona, Dept Anal Chem, Avda Diagonal 647, ES-08028 Barcelona, Spain

*J Sep Sci* 2006 **29** (1) 131

Determination of fluoroquinolones in chicken tissues by LC-coupled electro-spray ionisation and atmospheric pressure chemical ionisation

Biedermann M, Grob K// \*Official Food Control Authority Canton Zurich, POB, CH-8032 Zurich, Switzerland

*J Sep Sci* 2006 **29** (1) 114

Polyadipates used as plasticizers in food contact: Fraction below 1000 Da determined by size exclusion chromatography with evaporative light scattering detection and segmental response linearization or UV detection

Cai LS, Gong SL, Chen M, Wu CY// \*Wuhan Univ, Dept Chem, CN-430072 Wuhan, Peoples Rep China

*Anal Chim Acta* 2006 **559** (1) 89

Vinyl crown ether as a novel radical crosslinked sol-gel SPME fiber for determination of organophosphorus pesticides in food samples

El-Ghorab AH, Fujioka K, Shibamoto T// \*Natl Res Ctr, Cairo, Egypt

*J AOAC Int* 2006 **89** (1) 149

Determination of acrylamide formed in asparagine/D-glucose Maillard model systems by using gas chromatography with headspace solid-phase micro-extraction

Gomara B, Fernandez MA, Gonzalez MJ, Ramos L// \*IQOG - CSIC, Dept Instrumental Anal & Environm Chem, Juan de la Cierva 3, ES-28006 Madrid, Spain

*J Sep Sci* 2006 **29** (1) 123

Feasibility of gas chromatography-ion trap tandem mass spectrometry for the determination of polychlorinated biphenyls in food

Grimalt S, Sancho JV, Pozo OJ, Garcia-Baudin JM, Fernandez-Cruz ML, Hernandez F// \*Univ Jaume I, Res Inst Pesticides & Water, ES-12071 Castellon, Spain

*J Agric Food Chem* 2006 **54** (4) 1188

Analytical study of trichlorfon residues in kaki fruit and cauliflower samples by liquid chromatography-electrospray tandem mass spectrometry

Guzman-Vazquez de Prada A, Reviejo AJ, Pingarron JM// \*Univ Complutense Madrid, Fac Chem, Dept Anal Chem, ES-28040 Madrid, Spain

*J Pharm Biomed Anal* 2006 **40** (2) 281

A method for the quantification of low concentration sulfamethazine residues in milk based on molecularly imprinted clean-up and surface preconcentration at a Nafion-modified glassy carbon electrode

Hakovirta J, Reunanen J, Saris PEJ// \*Univ Helsinki, Dept Appl Chem & Microbiol, Viikinkaari 9, FI-00014 Helsinki, Finland

*Appl Environ Microbiol* 2006 **72** (2) 1001

Bioassay for nisin in milk, processed cheese, salad dressings, canned tomatoes, and liquid egg products

Janska M, Lehotay SJ\*, Mastovska K, Hajslova J, Alon T, Amirav A// \*USDA/ARS, Eastern Reg Res Ctr, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA

*J Sep Sci* 2006 **29** (1) 66

A simple and inexpensive "solvent in silicone tube extraction" approach and its evaluation in the gas chromatographic analysis of pesticides in fruits and vegetables

Liu Y, Danielsson B// \*Lund Univ, POB 124, SE-22100 Lund, Sweden

*Microchim Acta* 2006 **153** (3-4) 133

Rapid fluorometric screening of antibiotics in seafood

Niemann RA, Krynsky AJ, Nortrup DA// US/FDA, Ctr Food Safety & Appl Nutr, 5100 Paint Branch Pkwy, College Park, Md 20740, USA

*J Agric Food Chem* 2006 **54** (4) 1137

Ion chromatographic determination of perchlorate in foods by on-line enrichment and suppressed conductivity detection

Oliveira RV, Cass QB// \*Univ Fed Sao Carlos, Dept Quim, Caixa Postal 676, BR-13565-905 Sao Carlos, SP, Brazil

*J Agric Food Chem* 2006 **54** (4) 1180

Evaluation of liquid chromatographic behavior of cephalosporin antibiotics using restricted access medium columns for on-line sample cleanup of bovine milk

Pardo O, Yusa V, Leon N, Pastor A\*// \*Univ Valencia, Dept Anal Chem, Valencia, Spain

*J Chromatogr A* 2006 **1107** (1-2) 70

Determination of bisphenol diglycidyl ether residues in canned foods by pressurized liquid extraction and liquid chromatography-tandem mass spectrometry

Patel K, Fussell RJ\*, Goodall DM, Keely BJ// \*Cent Sci Lab, Sand Hutton, York YO41 1LZ, England

*J Sep Sci* 2006 **29** (1) 90

Application of programmable temperature vaporisation injection with resistive heating-gas chromatography flame photometric detection for the determination of organophosphorus pesticides

Peng CF, Xu CL\*, Jin ZY, Chu XG, Wang LY// \*Sthn Yangtze Univ, Sch Food Sci & Technol, CN-214036 Wuxi, Jiangsu, People Rep China

*J Food Sci* 2006 **71** (1) C44

Determination of anabolic steroid residues (medroxyprogesterone acetate) in pork by ELISA and comparison with liquid chromatography tandem mass spectrometry

Rufian-Henares JA, Delgado-Andrade C, Morales FJ\*// \*Inst Frio - CSIC, Jose Antonio Novais 10, ES-28040 Madrid, Spain

*J AOAC Int* 2006 **89** (1) 161

Application of a fast high-performance liquid chromatography method for simultaneous determination of furanic compounds and glucosylisomaltol in breakfast cereals

Schenk FJ, Podhorniak LV, Hobbs J, Casanova J, Donoghue D// US/FDA, SE Reg Lab, 60 8th St NE, Atlanta, Ga 30309, USA

*J AOAC Int* 2006 **89** (1) 196

Liquid chromatographic determination of *N*-methyl carbamate pesticide residues at low parts-per-billion levels in eggs

Sorensen LK// Steins Lab, Blomstervej 1, DK-8381 Tilst, Denmark

*Rapid Commun Mass Spectrom* 2006 **20** (7) 1135

Determination of phthalates in milk products by liquid chromatography/tandem mass spectrometry

Tokusoglu O, Akalin AS\*, Unal K// \*Ege Univ, Fac Agr, Dept Dairy Technol, TR-35100 Izmir, Turkey

*J Food Qual* 2006 **29** (1) 38

Rapid high performance liquid chromatographic detection of furosine ( $\epsilon$ -N-2-furoylmethyl-L-lysine) in yogurt and cheese marketed in Turkey

Wang JA, Cheung W// Canadian Food Inspect Agcy, Calgary Lab, 3650 36th St NW, Calgary, Alberta, Canada T2L 2L1

*J AOAC Int* 2006 **89** (1) 214

Determination of pesticides in soy-based infant formula using liquid chromatography with electrospray ionization tandem mass spectrometry

Xia X, Li XW, Shen JZ\*, Zhang SX, Ding SY, Jiang HY// \*China Agr Univ, Coll Vet Med, Dept Pharmacol & Toxicol, CN-100094 Beijing, Peoples Rep China

*J AOAC Int* 2006 **89** (1) 94

Determination of four nitroimidazoles in poultry and swine muscle and eggs by liquid chromatography/tandem mass spectrometry

Ye XY, Kuklennyk Z, Needham LL, Calafat AM\*// \*Ctr Dis Control & Prevent, Natl Ctr Environm Hlth, Div Lab Sci, 4770 Buford Hwy, Mailstop F17, Atlanta, Ga 30341, USA

*J Chromatogr B* 2006 **831** (1-2) 110

Measuring environmental phenols and chlorinated organic chemical in breast milk using automated on-line column-switching-high performance liquid chromatography-isotope dilution tandem mass spectrometry

## 9. Toxins/Allergens

Gabrovskova D, Rysova J, Filova V, Plicka J, Cuhra P, Kubik M, Barsova S// Food Res Inst Prague, Radiova 7, CZ-10231 Prague 10, Czech Republic

*J AOAC Int* 2006 **89** (1) 154

Gluten determination by gliadin enzyme linked immunosorbent assay kit: Interlaboratory study

Ha MH, Sabino M// Inst Adolfo Lutz Registro, Lab Ribeirao Preto 1, Rua Minas 877, BR-14085-410 Ribeirao Preto, Brazil

*J AOAC Int* 2006 **89** (1) 139

Determination of patulin in apple juice by liquid chromatography

Haubl G, Berthiller F, Krska R\*, Schuhmacher R// \*Univ Nat Resources & Appl Life Sci, IFA Tulln, Ctr Anal Chem, AT-3430 Tulln, Austria

*Anal Bioanal Chem* 2006 **384** (3) 692

Suitability of a fully  $^{13}\text{C}$  isotope labeled internal standard for the determination of the mycotoxin deoxynivalenol by LC-MS/MS without clean up

Korpan YI, Raushel FM, Nazarenko EA, Soldatkin AP, Jaffrezic-Renault N,

Martelet C// Natl Acad Sci Ukraine, Inst Mol Biol & Genet, 150 Zabolotnogo St, UA-03143 Kiev 143, Ukraine

*J Agric Food Chem* 2006 **54** (3) 707

Sensitivity and specificity improvement of an ion sensitive field effect transistors-based biosensor for potato glycoalkaloids detection

Sharma SK, Ferreira JL, Eblen BS, Whiting RC// US/FDA, Ctr Food Safety & Appl Nutr, 5100 Paint Branch Pkwy, HFS-302, College Park, Md 20740, USA

*Appl Environ Microbiol* 2006 **72** (2) 1231

Detection of type A, B, E, and F *Clostridium botulinum* neurotoxins in foods by using an amplified enzyme-linked immunosorbent assay with digoxigenin-labeled antibodies

## 10. Additives

Ammawath W, Man YBC\*, Baharin BS, Rahman RBA\*// \*Univ Putra Malaysia, Fac Food Sci & Technol, Dept Food Technol, MY-43400 Serdang, Selangor, Malaysia

*J Food Lipids* 2006 **13** (1) 1

Multivariate determination of propyl gallate in RBD palm olein using partial least squares and principal component regression based on FTIR spectroscopy

Bednar P, Papouškova B, Müller L, Barták P, Štavek J, Pavloušek P, Lemr K// Palacky Univ, Dept Anal Chem, trida Svobody 8, CZ-77146 Olomouc, Czech Republic

*J Sep Sci* 2005 **28** (12) 1291

Utilization of capillary electrophoresis/mass spectrometry (CE/MS<sup>n</sup>) for the study of anthocyanin dyes

Cornet V, Govaert Y, Moens G, Van Loco J, Degroodt JM// Inst Publ Hlth, Food Sect, Dept Pharmaco-Bromatol, J Wytmsmanst 14, BE-1050 Brussels, Belgium

*J Agric Food Chem* 2006 **54** (3) 639

Development of a fast analytical method for the determination of sudan dyes in chili- and curry-containing foodstuffs by high-performance liquid chromatography-photodiode array detection

Demiralay EC, Ozkan G\*, Guzel-Seydim Z// \*Suleyman Demirel Univ, Fac Sci & Literature, Dept Chem, TR-32260 Isparta, Turkey

*Chromatographia* 2006 **63** (1-2) 91

Isocratic separation of some food additives by reversed phase liquid chromatography

## 11. Flavours & aromas

Bohlscheid JC, Wang XD, Mattinson DS, Edwards CG\*// \*Washington State Univ, Dept Food Sci & Human Nutr, 100 Dairy Rd, Pullman, Wa 99164, USA

*J Food Qual* 2006 **29** (1) 1

Comparison of headspace solid phase microextraction and XAD-2 methods to extract volatile compounds produced by *Saccharomyces* during wine fermentations

Bolivar A, Gasparri N\*, Zufall C// \*Cerveceria Polar CA, Corporat Qual Innovation & Dev Dept, Caracas, Venezuela

*J Am Soc Brew Chemist* 2006 **64** (1) 39

A rapid and low-cost method for quantification of reduced *iso*- $\alpha$ -acids in brewing

Duflos G, Coin VM, Cornu M, Antinelli JF, Malle P// AFSSA, Lab Etudes & Rech Prod Peche, rue Huret Lagache, FR-62200 Boulogne-sur-Mer, France

*J Sci Food Agric* 2006 **86** (4) 600

Determination of volatile compounds to characterize fish spoilage using headspace/mass spectrometry and solid-phase microextraction/gas chromatography/mass spectrometry

Insa S, Besalu E, Iglesias C, Salvado V, Antico E\*// \*Univ Girona, Dept Chem, Campus Montilivi, ES-17071 Girona, Spain

*J Agric Food Chem* 2006 **54** (3) 627

Ethanol/water extraction combined with solid-phase extraction and solid-phase microextraction concentration for the determination of chlorophenols in cork stoppers

Lopez P, Huerga MA, Batlle R\*, Nerin C// \*CPS-Univ Zaragoza, Aragon Inst Engrn Res I3A, Dept Anal Chem, Zaragoza, Spain

*Anal Chim Acta* 2006 **559** (1) 97

Use of solid phase microextraction in diffusive sampling of the atmosphere generated by different essential oils

Riu M, Mestres M, Busto O, Guasch J\*// \*Univ Rovira & Virgili, Fac Enol Tarragona, Dept Quim Analit & Quim Organ, Unitat Enol, CeRTA, ES-43007 Tarragona, Spain

*J Chromatogr A* 2006 **1107** (1-2) 240

Quantification of chloroanisoles in cork using headspace solid-phase microextraction and gas chromatography with electron capture detection

Savary G, Guichard E, Doublier JL, Cayot N, Moreau C\*// \*UMR FLAVIC

INRA/ENESAD, 17 rue Sully, BP 86510, FR-21065 Dijon, France

*J Agric Food Chem* 2006 **54** (3) 665

Influence of ingredients on the self-diffusion of aroma compounds in a model fruit preparation: An nuclear magnetic resonance-diffusion-ordered spectroscopy investigation

Zhao S, Liang H\*// \*Hong Kong Polytech Univ, Dept Appl Biol & Chem Technol, Kowloon, Hong Kong, Peoples Rep China

*Polish J Chem* 2006 **80** (1) 99

Study of extraction of cinnamon oils from the bark of *Cinnamomum cassia* Presl by supercritical carbon dioxide

### 13. Animal products

Barlocco N, Vadell A, Ballesteros F, Galiotta G, Cozzolino D\*// \*Australian Wine Res Inst, POB 197, Glen Osmond, SA 5064, Australia

*Anim Sci* 2006 **82** (1) 111

Predicting intramuscular fat, moisture and Warner-Bratzler shear force in pork muscle using near infrared reflectance spectroscopy

Bianchi F, Careri M, Corradini C, Musci M, Mangia A// Univ Parma, Dipt Chim Gen & Inorgan Chim Analit Chim, Parco Area Sci 17/A, IT-43100 Parma, Italy

*Curr Anal Chem* 2005 **1** (2) 129

Innovative method for ultratrace determination of formaldehyde in frozen fish: SPME extraction and GC-ITMS/MS analysis

Cross I, Rebordinos L\*, Diaz E// \*Univ Cadiz, Fac Ciencias Mar & Ambientales, Lab Genet, Poligono Rio San Pedro, ES-11510 Puerto Real, Cadiz, Spain

*J AOAC Int* 2006 **89** (1) 144

Species identification of *Crassostrea* and *Ostrea* oysters by polymerase chain reaction amplification of the 5S rRNA gene

Fajardo V, Gonzalez I\*, Lopez-Calleja I, Martin I, Hernandez PE, Garcia T, Martin R// \*Univ Complutense, Fac Vet, Dept Nutr Bromatol & Tecnol Alimentos, ES-28040 Madrid, Spain

*J Agric Food Chem* 2006 **54** (4) 1144

PCR-RFLP authentication of meats from red deer (*Cervus elaphus*), fallow deer (*Dama dama*), roe deer (*Capreolus capreolus*), cattle (*Bos taurus*), sheep (*Ovis aries*), and goat (*Capra hircus*)

Gayo J, Hale SA\*, Blanchard SM// \*Nth Carolina State Univ, Dept Biol & Agr Engn, Box 7625, Raleigh, NC 27695, USA

*J Agric Food Chem* 2006 **54** (4) 1130

Quantitative analysis and detection of adulteration in crab meat using visible and near-infrared spectroscopy

Lin MS, Mousavi M, Al-Holy M, Cavinato AG, Rasco BA\*// \*Washington State Univ, Dept Food Sci & Human Nutr, Pullman, Wa 99164, USA

*J Food Sci* 2006 **71** (1) S18

Rapid near infrared spectroscopic method for the detection of spoilage in rainbow trout (*Oncorhynchus mykiss*) fillet

Liu LH, Chen FC, Dorsey JL, Hsieh YHP\*// \*Florida State Univ, Dept Nutr Food & Exercise Sci, Tallahassee, FL 32306, USA

*J Food Sci* 2006 **71** (1) M1

Sensitive monoclonal antibody-based sandwich ELISA for the detection of porcine skeletal muscle in meat and feed products

McGlone VA, Devine CE, Wells RW// HortResearch, Bioengn Sector, Private Bag 3123, Hamilton, New Zealand

*J Near Infrared Spectrosc* 2005 **13** (5) 277

Detection of tenderness, post-rigor age and water status changes in sheep meat using near infrared spectroscopy

Moore J, Yin JJ, Yu LL\*// \*Univ Maryland, Dept Nutr & Food Sci, College Park, Md 20742, USA

*J Agric Food Chem* 2006 **54** (3) 617

Novel fluorometric assay for hydroxyl radical scavenging capacity (HOSC) estimation

Sinelli N, Barzaghi S, Giardina C, Cattaneo TMP// Univ Milan, Dept Food Sci & Technol, Via Celoria 2, IT-20133 Milan, Italy

*J Near Infrared Spectrosc* 2005 **13** (5) 293

A preliminary study using Fourier transform near infrared spectroscopy to monitor the shelf-life of packed industrial ricotta cheese

Zhang JB, Huang H, Cai ZP, Huang LM// Chinese Acad Sci, Sth China Sea Inst Oceanog, LED, CN-510301 Guangzhou, Peoples Rep China

*Food Control* 2006 **17** (7) 557

Species identification in salted products of red snappers by semi-nested PCR-RFLP based on the mitochondrial 12S rRNA gene sequence

### 14. Plant & microbial products

Almeida C, Duarte IF, Barros A, Rodrigues J, Spraul M, Gil AM\*// \*Univ Aveiro, Dept Chem, CICECO, PT-3910-193 Aveiro, Portugal

*J Agric Food Chem* 2006 **54** (3) 700

Composition of beer by <sup>1</sup>H NMR spectroscopy: Effects of brewing site and date of production

Carmona M, Zalacain A, Sanchez AM, Novella JL, Alonso GL// Univ Castilla la Mancha, ETSI Agron, ES-02071 Albacete, Spain

*J Agric Food Chem* 2006 **54** (3) 973

Croctin esters, picrocrocin and its related compounds present in *Crocus sativus* stigmas and *Gardenia jasminoides* fruits. Tentative identification of seven new compounds by LC-ESI-MS

Delmonte P, Perry J, Rader J// US/FDA, Office Nutr Prod Labeling & Dietary Supplements, Ctr Food Safety & Appl Nutr, College Park, Md 20740, USA

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Determination of isoflavones in dietary supplements containing soy, red clover and kudzu: Extraction followed by basic or acid hydrolysis

Kunert R, Gach JS, Vorauer-Uhl K, Engel E, Katinger H// Univ Nat Resources & Appl Life Sci, Inst Appl Microbiol, Muthgasse 18, AT-1190 Vienna, Austria

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Validated method for quantification of genetically modified organisms in samples of maize flour

Lee SH, Min DM, Kim JK// Natl Agr Prod Qual Management Serv, Expt Res Inst, Div Inspect, Seoul 150 043, South Korea

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Qualitative and quantitative polymerase chain reaction analysis for genetically modified maize MON863

Moazzami AA, Andersson RE, Kamal-Eldin A// Swedish Univ Agr Sci, Dept Food Sci, SE-75077 Uppsala, Sweden

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HPLC analysis of sesaminol glucosides in sesame seeds

Ozgen M, Reese RN, Tulio AZ, Scheerens JC, Miller AR\*// \*Ohio State Univ, Dept Hort & Crop Sci, Ohio Agr Res & Dev Ctr, 1680 Madison Ave, Wooster, Oh 44691, USA

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Modified 2,2'-azino-bis-3-ethylbenzothiazoline-6-sulfonic acid (ABTS) method to measure antioxidant capacity of selected small fruits and comparison to ferric reducing antioxidant power (FRAP) and 2,2'-diphenyl-1-picrylhydrazyl (DPPH) methods

Rodriguez-Nogales JM, Garcia MC, Marina ML\*// \*Univ Alcala de Henares, Fac Quim, Dept Quim Analit, ES-28871 Madrid, Spain

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Monolithic supports for the characterization of commercial maize products based on their chromatographic profile. Application of experimental design and classification techniques

Ronning SB, Berdal KG, Andersen CB, Holst-Jensen A\*// \*Natl Vet Inst, Sect Feed & Food Microbiol, Ullevalsveien 68, POB 8156 Dep, NO-0033 Oslo, Norway

*J Agric Food Chem* 2006 **54** (3) 682

Novel reference gene, *PKABA1*, used in a duplex real-time polymerase chain reaction for detection and quantitation of wheat and barley-derived DNA

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Real-time polymerase chain reaction (PCR) quantitative detection of *Brassica napus* using a locked nucleic acid TaqMan probe

Shoji T, Masumoto S, Moriichi N, Akiyama H, Kanda T, Ohtake Y, Goda Y// Asahi Brewery Co Ltd, Fundamental Res Labs, 1-21 Midori 1 chome, Moriya, Ibaraki 302 0106, Japan

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Apple procyanidin oligomers absorption in rats after oral administration: Analysis of procyanidins in plasma using the Porter method and high-performance liquid chromatography/tandem mass spectrometry

Sorenson WR, Sullivan D// Covance Labs, 3301 Kinsman Blvd, Madison, WI 53704, USA

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Determination of campesterol, stigmaterol, and  $\beta$ -sitosterol in saw palmetto raw materials and dietary supplements by gas chromatography: Single-laboratory validation

Stratil P, Klejdu B, Kuban V\*// \*Mendel Univ Agr & Forestry, Dept Chem & Biochem, Zemedelska 1, CZ-61300 Brno, Czech Republic

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Determination of total content of phenolic compounds and their antioxidant activity in vegetables - Evaluation of spectrophotometric methods

Thompson M, Ellison SLR\*, Owen L, Mathieson K, Powell J, Key P, Wood R, Damant AP// \*Lab Govt Chemist, Queens Rd, Teddington TW11 0LY, England

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Scoring in genetically modified organism proficiency tests based on log-transformed results