

Bibliography of analytical, nutritional and clinical methods

(4 weeks journals. Search completed at 6th Sept. 2006)

2. General

Alomar D, Hodgkinson S, Abarzua D, Fuchslocher R, Alvarado C, Rosales E// Univ Austral Chile, Fac Ciencias Agrarias, Inst Prod Anim, Casilla 567, Valdivia, Chile

J Anim Physiol Anim Nutr 2006 **90** (5-6) 223

Nutritional evaluation of commercial dry dog foods by near infrared reflectance spectroscopy

Da Silva Torres EAF, Garbelotti ML, Moita Neto JM// Univ Sao Paulo, Sch Publ Hlth, Dept Nutr, Sao Paulo, Brazil

Food Chem 2006 **99** (3) 622

The application of hierarchical cluster analysis to the study of the composition of foods

Downey G, Kelly JD, Rodriguez CP// Teagasc, Ashtown Food Res Ctr, Ashtown, Dublin 15, Rep Ireland

Spectrosc Eur 2006 **18** (3) 10

Food authentication - has near infrared spectroscopy a role?

Mentink RL, Hoffman PC*, Bauman LM// *Univ Wisconsin, Dept Dairy Sci, Madison, WI 53706, USA

J Dairy Sci 2006 **89** (6) 2320

Utility of near-infrared reflectance spectroscopy to predict nutrient composition and *in vitro* digestibility of total mixed rations

Rahmatallah S, Li Y, Seton HC, Gregory JS, Aspden RM*// *Univ Aberdeen, Dept Orthopaed, IMS Bldg, Foresterhill, Aberdeen AB25 2ZD, Scotland

Eur Food Res Technol 2006 **222** (3-4) 298

Measurement of relaxation times in foodstuffs using a one-sided portable magnetic resonance probe

3. Amino acids, proteins & enzymes

Kovalenko IV, Rippke GR, Hurburgh CR// Iowa State Univ, Dept Agr & Biosyst Engn, 1551 Food Sci Bldg, Ames, Ia 50011, USA

J Agric Food Chem 2006 **54** (10) 3485

Determination of amino acid composition of soybeans (*Glycine max*) by near-infrared spectroscopy

Losito I, Carbonara T, De Bari MD, Gobetti M, Palmisano F, Rizzello CG, Zamboni PG// Univ Bari, Dipt Chim, Via E Orabona 4, IT-70126 Bari, Italy

Rapid Commun Mass Spectrom 2006 **20** (3) 447

Identification of peptides in antimicrobial fractions of cheese extracts by electrospray ionization ion trap mass spectrometry coupled to a two-dimensional liquid chromatographic separation

Raikos V, Hansen R, Campbell L, Euston SR*// *Heriot-Watt Univ, Sch Life Sci, Dept Biol Sci, Riccarton, Edinburgh EH14 4AS, Scotland

Food Chem 2006 **99** (4) 702

Separation and identification of hen egg protein isoforms using SDS-PAGE and 2D gel electrophoresis with MALDI-TOF mass spectrometry

Veneri G, Zoccatelli G, Mosconi S, Dalla Pellegrina C, Chignola R, Rizzi C*// *Univ Verona, Fac Sci MM.FF.NN, Dipt Sci & Tecnol, Str Grazie 15, IT-37134 Verona, Italy

J Inst Brew 2006 **112** (1) 25

A rapid method for the recovery, quantification and electrophoretic analysis of proteins from beer

Vincent D, Wheatley MD, Cramer GR*// *Univ Nevada, Dept Biochem, Reno, Nv 89557, USA

Electrophoresis 2006 **27** (9) 1853

Optimization of protein extraction and solubilization for mature grape berry clusters

4. Carbohydrates

De Sa RM, Palmer GH// Heriot Watt Univ, Sch Life Sci, Int Ctr Brewing & Distilling, Edinburgh EH14 4AS, Scotland

J Inst Brew 2006 **112** (1) 9

Analysis of β -glucan in single grains of barley and malt using NIR-spectroscopy

Ghosh P, Ghosal P, Ray B*// *Univ Burdwan, Dept Chem, Nat Prod Lab, IN-713104 Burdwan, India

Indian J Chem Sect B 2006 **45** (4) 986

MALDI-TOF-MS and HPAE-PAD-chromatographic analysis of xyloglucan oligosaccharides generated from *Brassica campestris* meal

5. Lipids

Bondia-Pons I, Morera-Pons S, Castellote AI, Lopez-Sabater MC*// *Univ Barcelona, Fac Farm, Dept Nutr & Bromatol, CeRTA, Avda Joan XXIII s/n, ES-08028 Barcelona, Spain

J Chromatogr A 2006 **1116** (1-2) 204

Determination of phospholipid fatty acids in biological samples by solid-phase extraction and fast gas chromatography

De la Torre-Carbot K, Jauregui O, Castellote AI, Lamuela-Raventos RM, Covas MI, Casals I, Lopez-Sabater MC*// *Univ Barcelona, Fac Farm, Dept Nutr & Bromatol, CeRTA, Avda Joan XXIII s/n, ES-08028 Barcelona, Spain

J Chromatogr A 2006 **1116** (1-2) 69

Rapid high-performance liquid chromatography electro-spray ionization tandem mass spectrometry method for qualitative and quantitative analysis of virgin olive oil phenolic metabolites in human low-density lipoproteins

Foster JG, Clapham WM, Fedders JM// USDA/ARS, Appalachian Farming Syst Res Ctr, 1224 Airport Rd, Beaver, WV 25813, USA

J Agric Food Chem 2006 **54** (9) 3186

Quantification of fatty acids in forages by near-infrared reflectance spectroscopy

Giacomelli LM, Mattea M, Ceballos CD*// *Universidad Nacional Rio Cuarto, Fac Ingn, Dept Tecnol Quim, Ruta Nacl 36 km 601, AR-5804 Cordoba, Argentina

J Am Oil Chem Soc 2006 **83** (4) 303

Analysis and characterization of edible oils by chemometric methods

Hug B, Golay PA, Giuffrida F, Dionisi F, Destailats F*// *Nestle Res Ctr, Vers-chez-Blanc, POB 44, CH-1000 Lausanne 26, Switzerland

J Agric Food Chem 2006 **54** (9) 3199

Development of a gas-liquid chromatographic method for the analysis of fatty acid tryptamides in cocoa products

Thurnhofer S, Vetter W*// *Univ Hohenheim, Inst Food Chem, Garbenstr 28, DE-70599 Stuttgart, Germany

J Agric Food Chem 2006 **54** (9) 3209

Application of ethyl esters and d_5 -methyl esters as internal standards for the gas chromatographic quantification of transesterified fatty acid methyl esters in food

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.

6. Vitamins & co-factors

Castanheira I, Batista E, Valente A, Dias G, Mora M, Pinto L, Costa HS// Natl Inst Hlth Dr Ricardo Jorge, Dept Food Safety & Nutr, Av Padre Cruz, PT-1649-016 Lisbon, Portugal

Food Control 2006 **17** (9) 719

Quality assurance of volumetric glassware for the determination of vitamins in food

Cunha SC, Amaral JS, Fernandes JO, Oliveira MBPP*// *Univ Porto, Fac Farm, Serv Bromatol, REQUIMTE, Rua Campo Alegre 823, PT-4100 Oporto, Portugal

J Agric Food Chem 2006 **54** (9) 3351

Quantification of tocopherols and tocotrienols in Portuguese olive oils using HPLC with three different detection systems

Hautem JY, Morel C, Couderc R, Moussa F*// *Univ Paris-Sud 11, Fac Pharm, UMR CNRS 8612, 22 rue JB Clement, FR-922696 Chatenay Malabry, France

Clin Chem 2006 **52** (5) 907

Liquid chromatographic determination of B₂ vitamers in human plasma and whole blood

Jones KS, Bluck LJC, Coward WA// MRC Human Nutr Res, Elsie Widdowson Lab, Fulbourn Rd, Cambridge CB1 9NL, England

Rapid Commun Mass Spectrom 2006 **20** (12) 1894

Analysis of isotope ratios in vitamin K₁ (phyloquinone) from human plasma by gas chromatography/mass spectrometry

Saenger AK, Laha TJ, Bremner DE, Sadrzadeh SMH// Univ Washington Med Ctr, Dept Lab Med, 1959 NW Pacific St, NW 120, Box 357110, Seattle, Wa 98195, USA

Am J Clin Pathol 2006 **125** (6) 914

Quantification of serum 25-hydroxyvitamin D₂ and D₃ using HPLC-tandem mass spectrometry and examination of reference intervals for diagnosis of vitamin D deficiency

Sakamaki N, Nakazato M, Matsumoto H, Hagino K, Yasuda K, Nagayama T// Tokyo Metropolitan Inst Publ Hlth, Tama Branch Inst, 3-16-25 Shibasaki cho, Tokyo 190 0023, Japan

J Food Hyg Soc Jpn 2006 **47** (2) 85

Determination of vitamin K in aojiru (green juice) products by HPLC (Japanese, English Abstract)

7. Trace elements & minerals

Izgi B, Gucer S, Jacimovic R// Uludag Univ, Sci & Art Fac, Dept Chem, Gorukle, TR-16059 Bursa, Turkey

Food Chem 2006 **99** (3) 630

Determination of selenium in garlic (*Allium sativum*) and onion (*Allium cepa*) by electrothermal atomic absorption spectrometry

Mester Z, Willie S, Yang L, Sturgeon R, Caruso JA, Fernandez ML, Fodor P, Goldschmidt RJ, Goenaga-Infante H, Lobinski R, Maxwell P, McSheehy S, Polatajko A, Sadi BB, Sanz-Medel A, Scriver C, Szpunar J, Wahlen R, Wolf W// Natl Res Council Canada, Inst Natl Measurement Stand, Ottawa, Ontario, Canada K1A 0R6

Anal Bioanal Chem 2006 **385** (1) 168

Certification of a new selenized yeast reference material (SELM-1) for methionine, selenomethionine and total selenium content and its use in an intercomparison exercise for quantifying these analytes

Muniz-Naveiro O, Dominguez-Gonzalez R, Bermejo-Barrera A, Bermejo-Barrera P*, Cocho JA, Fraga JM// *Univ Santiago de Compostela, Fac Chem, Dept Anal Chem Nutr & Bromatol, Avda Ciencias s/n, ES-15782 Santiago de Compostela, Spain

Anal Bioanal Chem 2006 **385** (1) 189

Study of the bioavailability of selenium in cow's milk after a supplementation of cow feed with different forms of selenium

Upreti P, Metzger LE*// *Univ Minnesota, Dept Food Sci & Nutr, MN-SD Dairy Foods Res Ctr, St Paul, Mn 55108, USA

J Dairy Sci 2006 **89** (6) 1926

Utilization of Fourier transform infrared spectroscopy for measurement of organic phosphorus and bound calcium in cheddar cheeses

8. Drug, biocide & processing residues

Armbruster W, Lehnert K, Vetter W*// *Univ Hohenheim, Inst Food Chem, Dept Food Chem, DE-70593 Stuttgart, Germany

Anal Bioanal Chem 2006 **384** (1) 237

Establishing a chromium-reactor design for measuring $\delta^2\text{H}$ values of solid polyhalogenated compounds using direct elemental analysis and stable isotope ratio mass spectrometry

Bjorklund E, Sporring S, Wiberg K, Haglund P, Von Hillist C// Lund Univ, Dept Anal Chem, POB 124, SE-22100 Lund, Sweden

Trends Anal Chem 2006 **25** (4) 318

New strategies for extraction and clean-up of persistent organic pollutants from food and feed samples using selective pressurized liquid extraction

Cacho C, Turiel E, Martin-Esteban A, Ayala D, Perez-Conde C*// *Univ Complutense Madrid, Fac Ciencias Quim, Dept Quim Analit, Ciudad Univ s/n, ES-28040 Madrid, Spain

J Chromatogr A 2006 **1114** (2) 255

Semi-covalent imprinted polymer using propazine methacrylate as template molecule for the clean-up of triazines in soil and vegetable samples

Chen GY, Smith E, Qin F, Liu LS// USDA/ARS, Eastern Reg Res Ctr, Wyndmoor, Pa 19038, USA

J Agric Food Chem 2006 **54** (9) 3225

Time-resolved luminescence screening of antibiotics in tissue matrices without centrifugation and filtration: Spiked recovery studies

Chu PS, Lopez M, Serfling S, Giesecker C, Reimschuessel R// US/FDA, Ctr Vet Med, 8401 Muirkirk Rd, Laurel, Md 20708, USA

J Agric Food Chem 2006 **54** (9) 3193

Determination of 17 α -methyltestosterone in muscle tissues of tilapia, rainbow trout, and salmon using liquid chromatography-tandem mass spectrometry

De Boer J, Wells DE// Free Univ Amsterdam, Inst Environm Studies, De Boelelaan 1087, NL-1081 HV Amsterdam, The Netherlands

Trends Anal Chem 2006 **25** (4) 364

Pitfalls in the analysis of brominated flame retardants in environmental, human and food samples - Including results of three international interlaboratory studies

Gentili A, Sergi M, Perret D, Marchese S, Curini R, Lisandrin S// Univ La Sapienza Roma, Dipt Chim, Piazzale Aldo Moro 5, PO Box 34, Posta 62, IT-00185 Roma, Italy

Rapid Commun Mass Spectrom 2006 **20** (12) 1845

High- and low-resolution mass spectrometry coupled to liquid chromatography as confirmatory methods of anabolic residues in crude meat and infant foods

Hoogenboom L, Goeyens L, Carbonnelle S, Van Loco J, Beernaert H, Baeyens W, Traag W, Bovee T, Jacobs G, Schoeters G// RIKILT Inst Food Safety, POB 230, NL-6700 AE Wageningen, The Netherlands

Trends Anal Chem 2006 **25** (4) 410

The CALUX bioassay: Current status of its application to screening food and feed

Hormazabal V, Fosse T, Ranheim B// Norwegian Sch Vet Sci, Div Food Safety & Infect Biol, POB 8146, NO-0033 Oslo, Norway

J Liq Chromatogr Relat Technol 2006 **29** (9) 1291

A sensitive assay for the determination of meloxicam in swine plasma by liquid chromatography-mass spectrometry

Ishii R, Horie M, Murayama M, Maitani T// Saitama Prefectural Inst Publ Hlth, 639-1 Kamiokubo, Sakura ku, Saitama 338 0824, Japan

J Food Hyg Soc Jpn 2006 **47** (2) 58

Analysis of chloramphenicol in honey and royal jelly by LC/MS/MS (Japanese, English Abstract)

Nielen MWF, Lasaroms JJP, Mulder PPJ, Van Hende J, Van Rhijn JA, Groot MJ// RIKILT Inst Food Safety, POB 230, NL-6700 AE Wageningen, The Netherlands

J Chromatogr B 2006 **830** (1) 126

Multi residue screening of intact testosterone esters and boldenone undecylenate in bovine hair using liquid chromatography electrospray tandem mass spectrometry

Nozal MJ, Bernal JL, Martin MT, Jimenez JJ, Bernal J, Higes M// Univ Valladolid, Fac Sci, Dept Anal Chem, ES-47005 Valladolid, Spain

J Chromatogr A 2006 **1116** (1-2) 102

Trace analysis of tiamulin in honey by liquid chromatography-diode array-electrospray ionization mass spectrometry detection

Petkovska E, Slaveska-Raicki R, Rafajlovska V*// *Univ St Cyril & Methodius, Fac Technol & Met, Rudjer Boskovic 16, Skopje 1000, Rep Macedonia

Chem Anal 2006 **51** (2) 275

Determination of tetracycline, oxytetracycline and chlortetracycline in milk by TLC and column chromatography using Amberlite XAD-2

Pirard C, De Pauw E, Focant JF// Univ Liege, Mass Spectrometry Lab, CART, Allee Chim 3, Bat B6c Sart Tilman, BE-4000 Cointe Ougree, Belgium

J Chromatogr A 2006 **1115** (1-2) 125

Suitability of tandem-in-time mass spectrometry for polybrominated diphenyl-ether measurement in fish and shellfish samples: Comparison with high resolution mass spectrometry

Risner CH, Kiser MJ, Dube ME// RJ Reynolds Tobacco Co, Bowman Gray Tech Ctr, Winston Salem, NC 27102, USA

J Food Sci 2006 **71** (3) C179

An aqueous high-performance liquid chromatographic procedure for the determination of 5-hydroxymethylfurfural in honey and other sugar-containing materials

Rissato SR, Galhiane MS, De Souza AG, Apon BM// Univ Estadual Paulista, Dept Quim, Av Engn Luiz Edmundo Carrijo Coube s/n, BR-17033-360 Bauru, SP, Brazil

J Brazil Chem Soc 2005 **16** (5) 1038

Development of a supercritical fluid extraction method for simultaneous determination of organophosphorus, organohalogen, organonitrogen and pyrethroids pesticides in fruit and vegetables and its comparison with a conventional method by GCECD and GCMS

Van Leeuwen SPJ, Van Cleuvenbergen R, Abalos M, Pasini AL, Eriksson U, Cleemann M, Hajslova J, De Boer J// RIVO-DLO, POB 68, NL-1970 AB IJmuiden, The Netherlands

Trends Anal Chem 2006 **25** (4) 397

New certified and candidate certified reference materials for the analysis of PCBs, PCDD/Fs, OCPs and BFRs in the environment and food

Wan ECH, Ho C, Sin DWM, Wong YC// *HKSAR, Homantin Govt Off, Anal & Advisory Serv, Govt Lab, Hong Kong, Peoples Rep China
Anal Bioanal Chem 2006 **385** (1) 181

Detection of residual bacitracin A, colistin A, and colistin B in milk and animal tissues by liquid chromatography tandem mass spectrometry

Xu CL, Peng CF, Hao K, Jin ZY, Yang SQ// Sthn Yangtze Univ, Sch Food Sci & Technol, CN-214036 Wuxi, Peoples Rep China

Chem Pap Chem Zvesti 2006 **60** (1) 61

Synthesis and identification of immunogen medroxyprogesterone acetate residues in edible foods and preparation of the antisera

Zhang Y, Dong Y, Ren YP, Zhang Y// Zhejiang Univ, Coll Biosyst Engn & Food Sci, Dept Food Sci & Nutr, CN-310029 Hangzhou, Zhejiang, Peoples Rep China

J Chromatogr A 2006 **1116** (1-2) 209

Rapid determination of acrylamide contaminant in conventional fried foods by gas chromatography with acrylamide capture detector

Zhao EC, Han LJ, Jiang SR, Wang QX, Zhou ZQ// *China Agr Univ, Dept Appl Chem, CN-100094 Beijing, Peoples Rep China

J Chromatogr A 2006 **1114** (2) 269

Application of a single-drop microextraction for the analysis of organophosphorus pesticides in juice

Zuin VG, Schellin M, Montero L, Yariwake JH, Augusto F, Popp P// *UFZ - Ctr Environm Res, Dept Anal Chem, Permoserstr 15, DE-04318 Leipzig, Germany

J Chromatogr A 2006 **1114** (2) 180

Comparison of stir bar sorptive extraction and membrane-assisted solvent extraction as enrichment techniques for the determination of pesticide and benzo[a]pyrene residues in Brazilian sugarcane juice

9. Toxins/Allergens

Akaki K, Hatano K// Fukuoka City Inst Hyg & Environm, 2-1-34 Jigyohama, Chuo ku, Fukuoka 810 0065, Japan

J Food Hyg Soc Jpn 2006 **47** (2) 46

Determination of tetrodotoxin in puffer-fish tissues, and in serum and urine of intoxicated humans by liquid chromatography with tandem mass spectrometry (Japanese, English Abstract)

Aresta A, Vatinno R, Palmisano F, Zambonin CG// *Univ Bari, Dipt Chim, Via E Orabona 4, IT-70126 Bari, Italy

J Chromatogr A 2006 **1115** (1-2) 196

Determination of ochratoxin A in wine at sub ng/mL levels by solid-phase microextraction coupled to liquid chromatography with fluorescence detection

Morishita N, Akiyama E, Arikawa N, Iida T, Tase K, Hamaji M, Hiraoka S, Shiroyanagi R, Kamijou S, Matsumoto T, Takahata Y, Morimatsu F, Toyoda M// Nippon Meat Packers Inc, 3-3 Midorigahara, Tsukuba, Ibaraki 300 2646, Japan

J Food Hyg Soc Jpn 2006 **47** (2) 66

Evaluation of immunochromatographic test kits for food allergens using processed food models (Japanese, English Abstract)

Sapsford KE, Taitt CR, Fertig S, Moore MH, Lassman ME, Maragos CA, Shriver-Lake LC// *Naval Res Lab, Ctr Biomol Sci & Engn, Washington, DC 20375, USA

Biosens Bioelectron 2006 **21** (12) 2298

Indirect competitive immunoassay for detection of aflatoxin B₁ in corn and nut products using the array biosensor

Sokolovi M, Impraga B// Croatian Vet Inst, Poultry Ctr, Heinzelova 55, HR-10000 Zagreb, Croatia

Food Control 2006 **17** (9) 733

Survey of trichothecene mycotoxins in grains and animal feed in Croatia by thin layer chromatography

Urraca JL, Marazuela MD, Merino ER, Orellana G, Moreno-Bondi MC// *Univ Complutense Madrid, Fac Chem, Dept Anal Chem, ES-28040 Madrid, Spain

J Chromatogr A 2006 **1116** (1-2) 127

Molecularly imprinted polymers with a streamlined mimic for zearalenone analysis

10. Additives

Chlup PH, Leiper KA, Stewart GG// Heriot Watt Univ, Int Ctr Brewing & Distilling, Edinburgh EH14 4AS, Scotland

J Inst Brew 2006 **112** (1) 3

A method of detection for residual isinglass in filtered and cask-conditioned beers

Jiang H, Somogyi A, Jacobsen NE, Timmermann BN, Gang DR// *Univ Arizona, Dept Plant Sci & Bio5 Inst, Tucson, Az 85721, USA

Rapid Commun Mass Spectrom 2006 **20** (6) 1001

Analysis of curcuminoids by positive and negative electrospray ionization and tandem mass spectrometry

Larrazabal M, Martinez M, Sanabria L, Leon de Pinto G*, Herrera J// *La Univ Zulia, Fac Humanidades & Educat, Ctr Invest Quim Prod Naturales, Apdo 526, Maracaibo, Venezuela

Food Hydrocolloid 2006 **20** (6) 908

Structural elucidation of the polysaccharide from *Sterculia apetala* gum by a combination of chemical methods and NMR spectroscopy

Motlagh S, Ravines P*, Karamallah KA, Ma Q// *Internat Museum Photography & Film, George Eastman Hse, 900 East Ave, Rochester, NY 14618, USA
Food Hydrocolloid 2006 **20** (6) 848

The analysis of *Acacia* gums using electrophoresis

Tsuji S, Yoshii K, Tonogai Y// Natl Inst Hlth Sci, 1-18-1 Kamiyoga, Setagaya ku, Tokyo 158 8501, Japan

J Chromatogr A 2006 **1101** (1-2) 214

Identification of isomers and subsidiary colors in commercial Fast Green FCF (FD&C Green No. 3, Food Green No. 3) by liquid chromatography mass spectrometry and comparison between amounts of the subsidiary colors by high-performance liquid chromatography and thin-layer chromatography-spectrophotometry

11. Flavours & aromas

Achouri A, Boye JI*, Zamani Y// *Agric & Agri-Food Canada, Food Res & Dev Ctr, 3600 Casavant Blvd West, St Hyacinthe, Quebec, Canada J2S 8E3

Food Chem 2006 **99** (4) 759

Identification of volatile compounds in soymilk using solid-phase microextraction-gas chromatography

Barbero GF, Palma M*, Barroso CG// *Univ Cadiz, Fac Ciencias, Dept Quim Anal, Grp Invest Quim Anal Vno & Prod Agroalimentari, ES-11510 Cadiz, Spain

J Agric Food Chem 2006 **54** (9) 3231

Pressurized liquid extraction of capsaicinoids from peppers

Cai J, Lin P, Zhu X, Su Q// *Univ Sci & Technol China, Dept Chem, CN-230026 Hefei, Peoples Rep China

Food Chem 2006 **99** (2) 401

Comparative analysis of clary sage (*S. sclarea* L.) oil volatiles by GC-FTIR and GC-MS

Ibarz MJ, Ferreira V*, Hernandez-Orte P, Loscos N, Cacho J// *Univ Zaragoza, Fac Sci, Dept Anal Chem, Lab Flavor Anal & Enol, ES-50009 Zaragoza, Spain

J Chromatogr A 2006 **1116** (1-2) 217

Optimization and evaluation of a procedure for the gas chromatographic-mass spectrometric analysis of the aromas generated by fast acid hydrolysis of flavor precursors extracted from grapes

Impellizzeri J, Lin JM// *Firmenich Inc, POB 5880, Princeton, NJ 08543, USA

J Agric Food Chem 2006 **54** (9) 3204

A simple high-performance liquid chromatography method for the determination of throat-burning oleocanthal with probated antiinflammatory activity in extra virgin olive oils

Kim MR, El-Aty AMA, Kim IS, Shim JH// *Chonnam Natl Univ, Coll Agr & Life Sci, Inst Agr Sci & Technol, Nat Prod Chem Lab, Kwangju 500 757, South Korea

J Chromatogr A 2006 **1116** (1-2) 259

Determination of volatile flavor components in danggui cultivars by solvent free injection and hydrodistillation followed by gas chromatographic-mass spectrometric analysis

Ledauphin J, Barillier D, Beljean-Leymarie M// Univ Caen, ERPCB, IUT UFR Sci, EA 3914, Basse Normandie, 6 Blvd Marechal Junin, FR-14032 Caen, France

J Chromatogr A 2006 **1115** (1-2) 225

Gas chromatographic quantification of aliphatic aldehydes in freshly distilled calvados and cognac using 3-methylbenzothiazolin-2-one hydrazone as derivative agent

Lorenzo U, Zalacain A, Alonso GL, Salinas R// *Univ Castilla La Mancha, ETSI Agron, Campus Univ, ES-02071 Albacete, Spain
J Chromatogr A 2006 **1114** (2) 250

Non-destructive method to determine halophenols and haloanisoles in cork stoppers by headspace sorptive extraction

Perez-Silva A, Odoux E, Brat P, Ribeyre F, Rodriguez-Jimenes G, Robles-Olvera V, Garcia-Alvarado MA, Gunata Z// *Univ Montpellier II, UMR Ingn Reactions Biol & Bioprod, Pl E Bataillon, FR-34095 Montpellier 5, France
Food Chem 2006 **99** (4) 728

GC-MS and GC-olfactometry analysis of aroma compounds in a representative organic aroma extract from cured vanilla (*Vanilla planifolia* G. Jackson) beans

Pozo-Bayon MA, Guichard E, Cayot N// *INRA/ENESAD, UMR-FLAVIC, 17 rue Sully, BP 86510, Dijon, France
Food Chem 2006 **99** (2) 416

Feasibility and application of solvent assisted flavour evaporation and standard addition method to quantify the aroma compounds in flavoured baked matrices

Raj PN, Prakash M*, Bhat KK// *Cent Food Technol Res Inst, Dept Sensory Sci, IN-570020 Mysore, India
J Sens Stud 2006 **21** (3) 322

Quality assessment of oil blends by electronic nose technique and sensory methods

Rocha SM, Coutinho P, Barros A, Delgadillo I, Coimbra MA// Univ Aveiro, Dept Quim, PT-3810-193 Aveiro, Portugal
J Chromatogr A 2006 **1114** (2) 188

Rapid tool for distinction of wines based on the global volatile signature

Ventanas S, Martin D, Estevez M, Ruiz J// Fac Vet UEx, Food Sci, Campus Univ s/n, ES-10071 Caceres, Spain
Food Chem 2006 **99** (4) 842

Analysis of volatile nitrosamines from a model system using SPME-DED at different temperatures and times of extraction

12. Organic acids

Kim M// Kyungpook Nat Univ, Dept Food Sci & Nutr, 1370 Sankyuk dong, Buk-ku, Daegu 702 701, Korea
Food Chem 2006 **99** (4) 851

Determining citrate in fruit juices using a biosensor with citrate lyase and oxaloacetate decarboxylase in a flow injection analysis system

Saiz-Abajo MJ, Gonzalez-Saiz JM, Pizarro C// *Univ La Rioja, Dept Chem, Madre de Dios 51, ES-26006 Logrono, Spain
Food Chem 2006 **99** (3) 615

Prediction of organic acids and other quality parameters of wine vinegar by near-infrared spectroscopy. A feasibility study

13. Animal products

Akasaki T, Yanagimoto T, Yamakami K, Tomonaga H, Sato S// Ministry Finance, Cent Customs Lab, 6-3-5 Kashiwanoha, Kashiwa, Chiba 277 0882, Japan
J Food Sci 2006 **71** (3) C190

Species identification and PCR-RFLP analysis of cytochrome *b* gene in cod fish (order Gadiformes) products

Rensen G, Smith W, Ruzante J, Sawyer M, Osburn B, Cullor J// Univ Calif Davis, Sch Vet Med, Dept Populat Hlth & Reprod, 1 Shields Ave, Davis, Ca 95616, USA
Foodborne Pathog Dis 2005 **2** (2) 152

Development and evaluation of real-time fluorescent polymerase chain reaction assay for the detection of bovine contaminates in cattle feed

14. Plant & microbial products

Bonet A, Rosell CM*, Caballero PA, Gomez M, Perez-Munuera I, Lluch MA// *CSIC, Inst Agroquim & Technol Alimentos, PO Box 73, ES-46100 Burjassot, Valencia, Spain
Food Chem 2006 **99** (2) 408

Glucose oxidase effect on dough rheology and bread quality: A study from macroscopic to molecular level

Borges SS, Frizzarin RM, Reis BF// *Univ Sao Paulo, Ctr Energia Nucl Agr, Ave Centenario 303, BR-13400-970 Sao Paulo, Brazil
Anal Bioanal Chem 2006 **385** (1) 197

An automatic flow injection analysis procedure for photometric determination of ethanol in red wine without using a chromogenic reagent

Cao J, Chen GH*, Du YS, Hou FF, Tian YL// *Agr Univ Hebei, Coll Life Sci, CN-071001 Baoding, Peoples Rep China
J Liq Chromatogr Relat Technol 2006 **29** (10) 1457

Determination of dissociation constants of resveratrol and polydatin by capillary zone electrophoresis

Davis BD, Needs PW, Kroon PA, Brodbelt JS// *Univ Texas Austin, Dept Chem & Biochem, 1 Univ Station A5300, Austin, Tx 78712, USA
J Mass Spectrom 2006 **41** (7) 911

Identification of isomeric flavonoid glucuronides in urine and plasma by metal complexation and LC-ESI-MS/MS

De Rijke E, Ruisch BJ, Bouter N, Konig T// *Quest Int, Dept Anal Res & Dev, Huizerstraatweg 28, NL-1411 GP Naarden, The Netherlands
Mol Nutr Food Res 2006 **50** (4-5) 351

Liquid chromatography with accurate mass measurement on a triple quadrupole mass-spectrometer for the identification and quantification of *N*-lactoyl ethanolamine in wine

Ferruzzi MG, Green RJ// Purdue Univ, Dept Food Sci, 745 Agr Mall Dr, West Lafayette, In 47907, USA
Food Chem 2006 **99** (3) 484

Analysis of catechins from milk-tea beverages by enzyme assisted extraction followed by high performance liquid chromatography

Gnoatto SCB, Schenkel EP, Bassani VL// *UFRGS, Prog Pos Grad Ciencias Farm, Av Ipiranga 2752, BR-90610-000 Porto Alegre, RS, Brazil
J Brazil Chem Soc 2005 **16** (4) 723

HPLC method to assay total saponins in *Ilex paraguariensis* aqueous extract

Manthey JA// USDA/ARS, Citrus & Subtrop Prod Lab, 600 Ave Sth NW, Winter Haven, Fl 33881, USA
J Agric Food Chem 2006 **54** (9) 3215

Fourier transform infrared spectroscopic analysis of the polymethoxylated flavone content of orange oil residues

Minuti L, Pellegrino RM, Tesei I// Univ Perugia, Dipt Chim, Via Elce Sotto 8, IT-06123 Perugia, Italy
J Chromatogr A 2006 **1114** (2) 263

Simple extraction method and gas chromatography-mass spectrometry in the selective ion monitoring mode for the determination of phenols in wine

Park HR, Ahn HJ, Kim SH, Lee CH, Byun MW, Lee GW// Natl Inst Toxicol Res, Korea Food & Drug Exposure Assessment Div, 5 Nokbun dong, Seoul 122 704, South Korea
Food Control 2006 **17** (9) 727

Determination of the phytic acid levels in infant foods using different analytical methods

Parra V, Arrieta AA, Fernandez-Escudero JA, Garcia H, Apetrei C, Rodriguez-Mendez ML*, De Saja JA// *Univ Valladolid, ETS Ingn Ind, Dept Quim Fis & Quim Inorgan, Paseo Cauce s/n, ES-47011 Valladolid, Spain
Sensor Actuator B-Chem 2006 **115** (1) 54

E-tongue based on a hybrid array of voltammetric sensors based on phthalocyanines, perylene derivatives and conducting polymers: Discrimination capability towards red wines elaborated with different varieties of grapes

Pati S, Losito I, Gambacorta G, Notte EL, Palmisano F, Zambonin PG// Univ Foggia, Dipt Sci Alimenti, Via Napoli 25, IT-71100 Foggia, Italy
J Mass Spectrom 2006 **41** (7) 861

Simultaneous separation and identification of oligomeric procyanidins and anthocyanin-derived pigments in raw red wine by HPLC-UV-ESI-MSⁿ

Turkmen N, Sari F, Velioglu YS// *Ankara Univ, Fac Engn, Dept Food Engn, TR-06110 Diskapi, Ankara, Turkey
Food Chem 2006 **99** (4) 835

Effects of extraction solvents on concentration and antioxidant activity of black and black mate tea polyphenols determined by ferrous tartrate and Folin-Ciocalteu methods

Wistuba D, Trapp O, Gel-Moreto N, Galensa R, Schurig V// Univ Tubingen, Inst Organ Chem, DE-72076 Tubingen, Germany
Anal Chem 2006 **78** (10) 3424

Stereoisomeric separation of flavanones and flavanone-7-*O*-glycosides by capillary electrophoresis and determination of interconversion barriers

Xu WT, Huang KL, Wang Y, Zhang HX, Luo YB// *China Agr Univ, Coll Food Sci & Nutr Engn, CN-100083 Beijing, Peoples Rep China
J Sci Food Agric 2006 **86** (7) 1103

A cotton-specific gene, stearoyl-ACP desaturase, used as a reference for qualitative and real-time quantitative polymerase chain reaction detection of genetically modified organisms

Zhong QX, Glatz CE// Univ Tennessee, Dept Food Sci & Technol, 2609 River Dr, Knoxville, Tn 37996, USA
J Agric Food Chem 2006 **54** (9) 3181

Enzymatic assay method for evaluating the lipase activity in complex extracts from transgenic corn seed