

Bibliography of analytical, nutritional and clinical methods

(4 weeks journals. Search completed at 3rd. Dec. 2003)

1. Books, reviews & symposia

Gilbert J, Vargas EA// Dept Environm Food & Rural Affairs, Cent Sci Lab, York YO41 1LZ, England

J Toxicol-Toxin Rev 2003 **22** (2-3) 381

Advances in sampling and analysis for aflatoxins in food and animal feed

Simo C, Barbas C, Cifuentes A*// *Inst Fermentacion Ind - CSIC, Dept Food Anal, Juan Cierva 3, ES-28006 Madrid, Spain

Electrophoresis 2003 **24** (15) 2431

Chiral electromigration methods in food analysis (Review)

3. Amino acids, proteins & enzymes

Andresek S, Golc-Wondra A, Prosek M*// *Natl Inst Chem, Hajdrihova 19, SI-1000 Ljubljana, Slovenia

J AOAC Int 2003 **86** (4) 753

Determination of phenylalanine and tyrosine by liquid chromatography/mass spectrometry

Arfvidsson C, Wahlund KG*// *Lund Univ, Ctr Chem & Chem Engr, Dept Tech Analyt Chem, POB 124, SE-22100 Lund, Sweden

J Chromatogr A 2003 **1011** (1-2) 99

Mass overloading in the flow field-flow fractionation channel studied by the behaviour of the ultra-large wheat protein glutenin

Bean SR// ARS, Grain Mktg & Prod Res Ctr, Manhattan, Ks 66502, USA

Cereal Chem 2003 **80** (5) 500

Evaluation of novel precast SDS-PAGE gels for separation of sorghum proteins

Bean SR, Tilley M// Address as above

Cereal Chem 2003 **80** (5) 505

Separation of water-soluble proteins from cereals by high-performance capillary electrophoresis (HPCE)

Miralles B, Ramos M, Amigo L*// *Inst Fermentacion Ind - CSIC, Juan de la Cierva 3, ES-28006 Madrid, Spain

J Dairy Sci 2003 **86** (9) 2813

Influence of proteolysis of milk on the whey protein to total protein ratio as determined by capillary electrophoresis

Rehder-Silinski MA, McGown LB*// *Duke Univ, Dept Chem, Paul M Gross Chem Lab, Durham, NC 27705, USA

J Chromatogr A 2003 **1008** (2) 233

Capillary electrochromatographic separation of bovine milk proteins using a G-quartet DNA stationary phase

Sanchez-Machado DI, Lopez-Cervantes J, Lopez-Hernandez J*, Paseiro-Losada P, Simal-Lozano J// *Univ Santiago de Compostela, Fac Farm, Dept Quim Analit Nutr & Bromatol, ES-15782 Santiago de Compostela, Spain

Chromatographia 2003 **58** (3-4) 159

High-performance liquid chromatographic analysis of amino acids in edible seaweeds after derivatization with phenyl isothiocyanate

4. Carbohydrates

Lee CW, Wu MC, Lee BH, Jiang CM, Chang HM*// *Natl Taiwan Univ, Grad Inst Food Sci & Technol, Taipei 10617, Taiwan

J Agric Food Chem 2003 **51** (18) 5455

Changes in molecular weight of transacylated pectin catalyzed by tomato and citrus pectinesterases as determined by gel permeation chromatography

Luzzana M, Agnellini D, Cremonesi P, Caramenti G, De Vita S// Univ Milan, Dipt Sci & Tecnol Biomed, Via Fratelli Cervi 93, IT-20090 Milan, Italy

Lait 2003 **83** (5) 409

Milk lactose and lactulose determination by the differential pH technique

5. Lipids

Bonoli M, Montanucci M, Toschi TG, Lercker G// Univ Bologna, Dipt Sci Alimenti, Via Ravennate 1020, IT-47023 Cesena, Italy

J Chromatogr A 2003 **1011** (1-2) 163

Fast separation and determination of tyrosol, hydroxytyrosol and other phenolic compounds in extra-virgin olive oil by capillary zone electrophoresis with ultraviolet-diode array detection

Guyon F, Absalon CH, Eloy A, Salagoity MH, Esclapez M, Medina B// Lab DGCCRE Bordeaux, 351 Cours de la Liberation, FR-33405 Talence, France

Rapid Commun Mass Spectrom 2003 **17** (20) 2317

Comparative study of matrix-assisted laser desorption/ionization and gas chromatography for quantitative determination of cocoa butter and cocoa butter equivalent triacylglycerol composition

Holcapek M, Jandera P*, Zderadicka P, Hruby L// *Univ Pardubice, Fac Chem Technol, Dept Analyt Chem, nam C Legii 565, CZ-53210 Pardubice, Czech Republic

J Chromatogr A 2003 **1010** (2) 195

Characterization of triacylglycerol and diacylglycerol composition of plant oils using high-performance liquid chromatography-atmospheric pressure chemical ionization mass spectrometry

Jakab A, Jablonkai I, Forgacs E// Hungarian Acad Sci, Res Lab Materials & Environm Chem, Chem Res Ctr, PO Box 17, HU-1525 Hungary, Hungary

Rapid Commun Mass Spectrom 2003 **17** (20) 2295

Quantification of the ratio of positional isomer dilinoleoyl-oleoyl glycerols in vegetable oils

Lynch JM, Barbano DM, Healy PA, Fleming JR// Cornell Univ, Dept Food Sci, NE Dairy Foods Res Ctr, Stocking Hall, Ithaca, NY 14853, USA

J AOAC Int 2003 **86** (4) 768

Effectiveness of temperature modification in decreasing the bias in milk fat test results between the Babcock and ether extraction methods

Mildner-Szkudlarz S, Jelen HH*, Zawirska-Wojtasiak R, Wasowicz E// *Agr Univ Poznan, Inst Food Technol, Wojska Polskiego 31, PL-60-624 Poznan, Poland

Food Chem 2003 **83** (4) 515

Application of headspace-solid phase microextraction and multivariate analy-

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.

sis for plant oils differentiation

Pelillo M, Iafelice G, Marconi E, Caboni MF*// *Univ Bologna, Dipt Sci Alimenti, via Ravennate 1020, IT-47023 Cesena, FC, Italy
Rapid Commun Mass Spectrom 2003 **17** (20) 2245

Identification of plant sterols in hexaploid and tetraploid wheats using gas chromatography with mass spectrometry

Rozenberg R, Ruibal-Mendieta NL, Petitjean G, Cani P, Delacroix DL, Delzenne NM, Meurens M, Quetin-Leclercq J, Habib-Jiwan JL*// *Univ Catholique Louvain, Lab Spectrometrie Masse, Pl L Pasteur 1, BE-1348 Louvain, Belgium
J Cereal Sci 2003 **38** (2) 189

Phytosterol analysis and characterization in spelt (*Triticum aestivum* ssp *spelta* L.) and wheat (*T. aestivum* L.) lipids by LC/APCI-MS

6. Vitamins & co-factors

Andrisano V, Bartolini M, Bertucci C, Cavrini V, Luppi B, Cerchiara T// Univ Bologna, Dept Pharmaceut Sci, Via Belmeloro 6, IT-40126 Bologna, Italy
J Pharmaceut Biomed Anal 2003 **32** (4-5) 983

Analytical methods for the determination of folic acid in a polymeric micellar carrier

Bonciocot N, Marian IO*, Sandulescu R, Filip C, Lotrean S// *Univ Babes Bolyai, Fac Chem, 11 Arany Janos, RO-3400 Cluj Napoca, Romania
J Pharmaceut Biomed Anal 2003 **32** (4-5) 1093

A new proposal for fast determination of vitamin B₂ from aqueous pharmaceutical products

De Beer JO, Baten P, Nsengyumva C, Smeyers-Verbeke J// Wetenschappelijk Inst Volksgezondheid, J Wytmanstr 14, BE-1050 Brussels, Belgium
J Pharmaceut Biomed Anal 2003 **32** (4-5) 767

Measurement uncertainty from validation and duplicate analysis results in HPLC analysis of multivitamin preparations and nutrients with different galenic forms

De Sa MC, Rodriguez-Amaya DB*// *Univ Estadual Campinas, Fac Engn Alimentos, Dept Ciencia Alimentos, CP 6121, BR-13083-970 Campinas, SP, Brazil
Food Chem 2003 **83** (4) 595

Carotenoid composition of cooked green vegetables from restaurants

Gomez-Coronado DJM, Barbas C*// *Univ San Pablo, Fac CC Expt & Salud, ES-28668 Madrid, Spain
J Agric Food Chem 2003 **51** (18) 5196

Optimized and validated HPLC method for α - and γ -tocopherol measurement in *Laurus nobilis* leaves. New data on tocopherol content

Han JY, Tyler RT// Univ Saskatchewan, Dept Appl Microbiol & Food Sci, Saskatoon, Saskatchewan, Canada S7N 5A8
J Agric Food Chem 2003 **51** (18) 5315

Determination of folate concentrations in pulses by a microbiological method employing trienzyme extraction

Lin CH, Chen BH*// *Fu Jen Catholic Univ, Dept Nutr & Food Sci, Taipei 24205, Taiwan
J Chromatogr A 2003 **1012** (1) 103

Determination of carotenoids in tomato juice by liquid chromatography

Marx M, Stuparic M, Schieber A*, Carle R// *Hohenheim Univ, Inst Food Technol, Sect Plant Foodstuff Technol, Garbenstr 25, DE-70599 Stuttgart, Germany
Food Chem 2003 **83** (4) 609

Effects of thermal processing on *trans-cis*-isomerization of β -carotene in carrot juices and carotene-containing preparations

Schreiner M, Razzazi E, Luf W// Univ Nat Resources & Appl Life Sci - BOKU, Dept Dairy Res & Microbiol, Vienna, Austria
Nahrung 2003 **47** (4) 243

Determination of water-soluble vitamins in soft drinks and vitamin supplements using capillary electrophoresis

Turpeinen U, Hohenthal U, Stenman UH// Univ Helsinki, Cent Hosp Lab, Haartmaninkatu 2, FI-00290 Helsinki, Finland
Clin Chem 2003 **49** (9) 1521

Determination of 25-hydroxyvitamin D in serum by HPLC and immunoassay

7. Trace elements & minerals

Aleixo PC, Nobrega JA*// *University Fed Sao Carlos, Dept Quim, Grp Anal Instrumental Aplicada, Caixa Postal 676, BR-13560-970 Sao Carlos, SP, Brazil

Food Chem 2003 **83** (3) 457

Direct determination of iron and selenium in bovine milk by graphite furnace atomic absorption spectrometry

Cava-Montesinos P, Cervera ML*, Pastor A, De La Guardia M// *Univ Valencia, Dept Analyt Chem, Res Bldg, 50 Dr Moliner St, ES-46100 Burjassot, Valencia, Spain

J AOAC Int 2003 **86** (4) 815

Determination of ultratrace bismuth in milk samples by atomic fluorescence spectrometry

Jastrzebska A, Brudka B, Szymanski T, Szlyk E*// *Nicolaus Copernicus Univ, Fac Chem, PL-87-100 Torun, Poland

Food Chem 2003 **83** (3) 463

Determination of phosphorus in food samples by X-ray fluorescence spectrometry and standard spectrophotometric method

8. Drug, biocide & processing residues

Balduini L, Matoga M, Cavalli E, Seilles E, Riethmuller D, Thomassin A, Guillaume YC*// *UFR Sci Med & Pharmaceut, Lab Chim Analyt, Equipe Sci Separat & Biopharmaceut, 2 Pl St Jacques, FR-25030 Besancon, France

J Chromatogr B 2003 **794** (2) 389

Triazinic herbicide determination by gas chromatography-mass spectrometry in breast milk

Blasco C, Font G, Manes J, Pico Y*// *Univ Valencia, Fac Farm, Lab Bromatol & Toxicol, Avda Vicent Andres Estelles s/n, ES-46100 Valencia, Spain

Anal Chem 2003 **75** (14) 3606

Solid-phase microextraction liquid chromatography/tandem mass spectrometry to determine postharvest fungicides in fruits

De Koning S, Lach G, Linkerhagner M, Loscher R, Tablack PH, Brinkman UAT// Leco Instrumente, Marie Bernays Ring 31, DE-41199 Monchengladbach, Germany

J Chromatogr A 2003 **1008** (2) 247

Trace-level determination of pesticides in food using difficult matrix introduction-gas chromatography-time-of-flight mass spectrometry

Donoghue DJ, Schneider MJ// Univ Arkansas, Dept Poultry Sci, Fayetteville, Ar 72701, USA

J AOAC Int 2003 **86** (4) 669

Comparison between a bioassay and liquid chromatography-fluorescence-mass spectrometry for the determination of incurred enrofloxacin in whole eggs

Escuderos-Morenas ML, Santos-Delgado MJ*, Rubio-Barroso S, Polo-Diez LM// *Univ Complutense Madrid, Fac Chem, Dept Analyt Chem, ES-28040 Madrid, Spain

J Chromatogr A 2003 **1011** (1-2) 143

Direct determination of monolinuron, linuron and chlorbromuron residues in potato samples by gas chromatography with nitrogen-phosphorus detection

Gyorik M, Herpai Z, Szecsenyi I, Varga U, Szigeti J// Univ West Hungary, Fac Agr & Food Sci, Inst Food Sci, 15-17 Lucsony St, HU-9200 Mosonmagyaróvár, Hungary

J Agric Food Chem 2003 **51** (18) 5222

Rapid and sensitive determination of phenol in honey by high-performance liquid chromatography with fluorescence detection

Hela W, Brandtner M, Widek R, Schuh R// Bundesanstalt Veterinarmedizinische Untersuchungen, Robert Kochgasse 17, AT-2340 Modling, Austria

Food Chem 2003 **83** (4) 601

Determination of sulfonamides in animal tissues using cation exchange reversed phase sorbent for sample cleanup and HPLC-DAD for detection

Hernandez F, Sancho JV, Pozo OJ, Villaplana C, Ibanez M, Grimalt S// Univ Jaume I, Expt Sci Dept, ES-12071 Castellon de la Plana, Spain

J AOAC Int 2003 **86** (4) 832

Rapid determination of fosetyl-aluminum residues in lettuce by liquid chroma-

tography/electrospray tandem mass spectrometry

Kaufmann A, Butcher P, Kolbener P// Official Food Control Authority Canton Zurich, Kantonales Labor Zurich, CH-8030 Zurich, Switzerland

Rapid Commun Mass Spectrom 2003 **17** (22) 2575

Trace level quantification of streptomycin in honey with liquid chromatography/tandem mass spectrometry (Letter)

Kmetec V, Roskar R// Fac Pharm, Dept Biopharmaceut & Pharmacokinet, Askerceva 7, SI-1000 Ljubljana, Slovenia

J Pharmaceut Biomed Anal 2003 **32** (4-5) 1061

HPLC determination of tramadol in human breast milk

Pang GF, Cao YZ, Fan CL, Zhang JJ, Li XM, MacNeil JD// Qinhuangdao Entry Exit Inspect & Quarantine Bureau, 39 Haibin Rd, CN-066002 Qinhuangdao, Hebei, Peoples Rep China

J AOAC Int 2003 **86** (4) 685

Determination of clopidol residues in chicken tissues by liquid chromatography: Collaborative study

Sorensen LK, Elbaek TH, Hansen H// Steins Lab, Ladelundvej 85, DK-6650 Brorup, Denmark

J AOAC Int 2003 **86** (4) 703

Determination of chloramphenicol in bovine milk by liquid chromatography/tandem mass spectrometry

Takino M, Daishima S, Nakahara T// Yokogawa Analyt Syst Inc, Kansai Branch Off, 3-3-11 Kinryo Bld, Yodogawa-ku, Osaka 532 0033, Japan

J Chromatogr A 2003 **1011** (1-2) 67

Determination of chloramphenicol residues in fish meats by liquid chromatography-atmospheric pressure photoionization mass spectrometry

Trajkovska V, Petrovska-Jovanovi S, Cvetkovski M// Sv Kiril & Metodij University, Fac Nat Sci & Math, Inst Chem, POB 162, Skopje 1000, Macedonia

Anal Lett 2003 **36** (10) 2291

Solid-phase extraction and HPLC/DAD for the determination of some pesticides in wine

Yang L, Colombini V, Maxwell P, Mester Z, Sturgeon RE// Natl Res Council Canada, Inst Natl Measurement Standards, Ottawa, Ontario, Canada K1A 0R6

J Chromatogr A 2003 **1011** (1-2) 135

Application of isotope dilution to the determination of methylmercury in fish tissue by solid-phase microextraction gas chromatography-mass spectrometry

9. Toxins/Allergens

Aresta A, Cioffi N, Palmisano F*, Zamboni CG// *Univ Bari, Dipt Chim, Via E Orabona 4, IT-70126 Bari, Italy

J Agric Food Chem 2003 **51** (18) 5232

Simultaneous determination of ochratoxin A and cyclopiazonic, mycophenolic, and tenuazonic acids in cornflakes by solid-phase microextraction coupled to high-performance liquid chromatography

Blesa J, Soriano JM*, Molto JC, Marin R, Manes J// *Univ Valencia, Fac Pharm, Food Chem & Technol Lab, Avda Vicent Andres Estelles s/n, ES-46100 Valencia, Spain

J Chromatogr A 2003 **1011** (1-2) 49

Determination of aflatoxins in peanuts by matrix solid-phase dispersion and liquid chromatography

Cavlovic P, Mankotia M*, Pantazopoulos P, Scott PA// *Hlth Canada, Hlth Prod & Food Branch, Food Labs Div, 2301 Midland Ave, Scarborough, Ontario, Canada M1P 4R7

J AOAC Int 2003 **86** (4) 759

Liquid chromatographic determination of α -solasonine in frozen green peas as an indicator of the presence of nightshade berries

Lagana A, Bacaloni A, Castellano M, Curini R, De Leva I, Faberi A, Materazzi S// Univ Roma La Sapienza, Dept Chem, Piazzale Aldo Moro 5, IT-00185 Rome, Italy

J AOAC Int 2003 **86** (4) 729

Sample preparation for determination of macrocyclic lactone mycotoxins in fish tissue, based on on-line matrix solid-phase dispersion and solid-phase extraction cleanup followed by liquid chromatography/tandem mass spectrometry

Miyazaki S, Yamanaka N, Guruge KS// Natl Inst Anim Hlth, Toxicology Sect, 3-1-5 Kannondai, Tsukuba, Ibaraki 305 0856, Japan

J Vet Diagn Invest 2003 **15** (5) 480

Simple capillary electrophoretic determination of soluble oxalate and nitrate in forage grasses

Nozawa A, Tsuji K, Ishida H*// *Univ Shizuoka, Sch Pharmaceut Sci, 52-1 Yada, Shizuoka 422 8526, Japan

Toxicol 2003 **42** (1) 91

Implication of brevetoxin B1 and PbTx-3 in neurotoxic shellfish poisoning in New Zealand by isolation and quantitative determination with liquid chromatography-tandem mass spectrometry

Ruberu SR, Liu YG, Wong CT, Perera SK, Langlois GW, Doucette GJ, Powell CL// Calif Dept Hlth Serv, Sanitat & Radiat Labs Branch, 2151 Berkeley Way, Berkeley, Ca 94704, USA

J AOAC Int 2003 **86** (4) 737

Receptor binding assay for paralytic shellfish poisoning toxins: Optimization and interlaboratory comparison

Seefeldler W, Knecht A, Humpf HU*// *Univ Munster, Inst Lebensmittelchem, Corrensstr 45, DE-48149 Munster, Germany

J Agric Food Chem 2003 **51** (18) 5567

Bound fumonisin B₁: Analysis of fumonisin-B₁ glyco and amino acid conjugates by liquid chromatography-electrospray ionization-tandem mass spectrometry

Siantar DP, Halverson CA, Kirmiz C, Peterson GF, Hill NR, Dugar SM// US Dept Treasury, Alcohol & Tobacco Tax & Trade Bureau, 355 Nth Wiget Lane, Walnut Creek, Ca 94598, USA

Am J Enol Viticult 2003 **54** (3) 170

Ochratoxin A in wine: Survey by antibody- and polymeric-based SPE columns using HPLC/fluorescence detection

Trujillo WA, Sorenson WR// Covance Labs, 3301 Kinsman Blvd, Madison, WI 53704, USA

J AOAC Int 2003 **86** (4) 657

Determination of ephedrine alkaloids in dietary supplements and botanicals by liquid chromatography/tandem mass spectrometry: Collaborative study

10. Additives

Albert K, Riter KL*, Smallidge RL// *Purdue Univ, Off Indiana State Chemist, 175 Sth Univ St West, Lafayette, In 47907, USA

J AOAC Int 2003 **86** (4) 623

Determination of sulfathiazole in type C medicated swine feed by reversed-phase liquid chromatography with post-column derivatization

11. Flavours & aromas

Byrne L, Lau KT, Diamond D*// *Dublin City Univ, Sch Chem Sci, NCSR, Dublin 9, Rep Ireland

Ir J Agric Food Res 2003 **42** (1) 119

Development of pH sensitive films for monitoring spoilage volatiles released into packaged fish headspace

Cardoso DR, Bettin SM, Reche RV, Lima-Neto BS, Franco DW*// *Univ Sao Paulo, Inst Quim Sao Carlos, Caixa Postal 780, BR-13560-970 Sao Carlos, SP, Brazil

J Food Compos Anal 2003 **16** (5) 563

HPLC-DAD analysis of ketones as their 2,4-dinitrophenylhydrazones in Brazilian sugar-cane spirits and rum

Ferreira V, Jarauta I, Lopez R, Cacho J// Univ Zaragoza, Fac Sci, Dept Analyt Chem, ES-50009 Zaragoza, Spain

J Chromatogr A 2003 **1010** (1) 95

Quantitative determination of sotolon, maltol and free furaneol in wine by solid-phase extraction and gas chromatography-ion-trap mass spectrometry

Francioli S, Torrens J, Riu-Aumatell M, Lopes-Tamames E, Buxaderas S*// *Univ Barcelona, Fac Farm, CeRTA, Dept Nutr & Bromatol, Avda Joan s/n, ES-08028 Barcelona, Spain

Am J Enol Viticult 2003 **54** (3) 158

Volatile compounds by SPME-GC as age markers of sparkling wines

Wanakhachornkrai P, Lertsiri S*// *Mahidol Univ, Fac Sci, Dept Biotechnol, Rama VI Rd, Payathai, TH-10400 Bangkok, Thailand
Food Chem 2003 **83** (4) 619

Comparison of determination method for volatile compounds in Thai soy sauce

Wu YV, Payne-Wahl KL, Vaughn SF// USDA/ARS, Fermentat Biotechnol Res Unit, NCAUR, 1815 Nth Univ St, Peoria, IL 61604, USA

Cereal Chem 2003 **80** (5) 567

Analysis of headspace volatiles of corn gluten meal

12. Organic acids

Darias-Martin J, Socas-Hernandez A, Diaz-Romero C, Diaz-Diaz E// University La Laguna, Ctr Super Ciencias Agrarias Tecnol Alimentos, Dept Chem Engn & Food Technol, ES-38200 San Cristobal La Laguna, Tenerife, Spain

J Food Compos Anal 2003 **16** (5) 555

Comparative study of methods for determination of titrable acidity in wine

13. Animal products

Albanell E, Caja G, Such X, Rovai M, Salama AAK, Casals R// Univ Autonoma Barcelona, Fac Vet, ES-08193 Bellaterra, Spain

J AOAC Int 2003 **86** (4) 746

Determination of fat, protein, casein, total solids, and somatic cell count in goat's milk by near-infrared reflectance spectroscopy

Chen TY, Shiau CY, Noguchi T, Wei CI, Hwang DF*// *Nat Taiwan Ocean Univ, Dept Food Sci, Keelung 202, Taiwan

Food Chem 2003 **83** (3) 475

Identification of puffer fish species by native isoelectric focusing technique

Gao HW, Zhang DB*, Pan AH, Liang WQ, Liang CZ// *Shanghai Acad Agr Sci, Shanghai Key Lab Agr Genet & Breeding, Agrobiotech Res Ctr, Shanghai, Peoples Rep China

J AOAC Int 2003 **86** (4) 764

Multiplex polymerase chain reaction method for detection of bovine materials in foodstuffs

Rodriguez MA, Garcia T*, Gonzalez I, Asensio L, Mayoral B, Lopez-Calleja I, Hernandez PE, Martin R// *Univ Complutense, Fac Vet, Dept Nutr & Bromatol III, ES-28040 Madrid, Spain

Meat Sci 2003 **65** (4) 1257

Development of a polymerase chain reaction assay for species identification of goose and mule duck in foie gras products

14. Plant & microbial products

Andrade JM, Gomez-Carracedo MP, Fernandez E, Elbergali A, Kubista M, Prada D// Univ a Coruna, Dept Analyt Chem, Campus Zapateira s/n, ES-15071 La Coruna, Spain

Analyst 2003 **128** (9) 1193

Classification of commercial apple beverages using a minimum set of mid-IR wavenumbers selected by Procrustes rotation

Borbalan AMA, Zorro L, Guillen DA, Barroso CG// Univ Cadiz, Fac Ciencias, Dept Quim Analit, C/ Republica Saharai s/n, ES-11510 Puerto Real, Cadiz, Spain

J Chromatogr A 2003 **1012** (1) 31

Study of the polyphenol content of red and white grape varieties by liquid chromatography-mass spectrometry and its relationship to antioxidant power

Campanella L, Bonanni A, Tomassetti M*// *Univ Roma La Sapienza, Dept Chem, P Aldo Moro 5, IT-00185 Rome, Italy

J Pharmaceut Biomed Anal 2003 **32** (4-5) 725

Determination of the antioxidant capacity of samples of different types of tea, or of beverages based on tea or other herbal products, using a superoxide dismutase biosensor

Careri M, Corradini C*, Elviri L, Nicoletti I, Zagnoni I// *Univ Parma, Dipt Chim Gen & Inorgan Chim Analit Chim, Parco Area Sci 17/A, IT-43100 Parma, Italy

J Agric Food Chem 2003 **51** (18) 5226

Direct HPLC analysis of quercetin and *trans*-resveratrol in red wine, grape, and winemaking byproducts

Clark CJ, MacFall JS// HortRes, Bioengn, Private Bag 3123, Hamilton, New Zealand

Magn Reson Imaging 2003 **21** (6) 679-685

Quantitative magnetic resonance imaging of 'Fuyu' persimmon fruit during development and ripening

Garbelotti ML, Marsiglia DAP, Torres EAFS*// *Univ Sao Paulo, Sch Publ Hlth, Dept Nutr, Avda Dr Arnaldo 715-HNT, BR-01246-904 Sao Paulo, SP, Brazil

Food Chem 2003 **83** (3) 469

Determination and validation of dietary fiber in food by the enzymatic gravimetric method

Gel-Moreto N, Streich R, Galensa R*// *University Bonn, Institute Lebensmittelwissenschaft & Chem, Endenicher Allee 11-13, DE-53115 Bonn, Germany

Electrophoresis 2003 **24** (15) 2716

Chiral separation of diastereomeric flavanone-7-*O*-glycosides in citrus by capillary electrophoresis

Jamin E, Guerin R, Retif M, Lees M, Martin GJ// Eurofins, rue Pierre Adolphe Bobierre, BP 42301, FR-44323 Nantes, France

J Agric Food Chem 2003 **51** (18) 5202

Improved detection of added water in orange juice by simultaneous determination of the oxygen-18/oxygen-16 isotope ratios of water and ethanol derived from sugars

Ju ZY, Howard LR*// *Univ Arkansas, Dept Food Sci, 2650 Nth Young Ave, Fayetteville, Ar 72704, USA

J Agric Food Chem 2003 **51** (18) 5207

Effects of solvent and temperature on pressurized liquid extraction of anthocyanins and total phenolics from dried red grape skin

Kammerer D, Carle R, Schieber A*// *Hohenheim University, Inst Food Technol, Sect Plant Foodstuff Technol, Garbenstr 25, DE-70599 Stuttgart, Germany

Rapid Commun Mass Spectrom 2003 **17** (21) 2407

Detection of peonidin and pelargonidin glycosides in black carrots (*Daucus carota* ssp. *sativus* var. *atrorubens* Alef.) by high-performance liquid chromatography/electrospray ionization mass spectrometry

Liu ZS, Chang KC*// *Nth Dakota State Univ, Dept Cereal & Food Sci, Fargo, ND 58105, USA

J Agric Food Chem 2003 **51** (18) 5214

Development of a rapid titration method for predicting optimal coagulant concentration for filled tofu

Rostagno MA, Palma M*, Barroso CG// *Univ Cadiz, Fac Ciencias, Dept Quim Analit, Apdo 40, ES-11510 Cadiz, Spain

J Chromatogr A 2003 **1012** (2) 119

Ultrasound-assisted extraction of soy isoflavones

Suzuki Y, Shioi Y*// *Univ Shizuoka, Fac Sci, Dept Biol & Geosci, Shizuoka 422 8529, Japan

J Agric Food Chem 2003 **51** (18) 5307

Identification of chlorophylls and carotenoids in major teas by high-performance liquid chromatography with photodiode array detection

Tian Q, Li D, Barbacci D, Schwartz SJ, Patil BS*// *Ohio State Univ, Dept Food Sci & Technol, 2015 Fyffe Rd, Columbus, Oh 43210, USA

Rapid Commun Mass Spectrom 2003 **17** (22) 2517

Electron ionization mass spectrometry of citrus limonoids

Weiss DJ, Anderton CR// 1420 Austin Bluffs Pkwy, SB 1, Colorado Springs, Co 80918, USA

J Chromatogr A 2003 **1011** (1-2) 173

Determination of catechins in matcha green tea by micellar electrokinetic chromatography

Wittemer SM, Veit M*// *LAT GmbH, Am Haag 4, DE-82166 Grafelfingen, Germany

J Chromatogr B 2003 **793** (2) 367

Validated method for the determination of six metabolites derived from artichoke leaf extract in human plasma by high-performance liquid chromatography-coulometric-array detection