

Bibliography of analytical, nutritional and clinical methods

(4 weeks journals. Search completed at 5th Jan 2005)

1. Books, reviews & symposia

Kindschy LM, Alocilja EC// *Michigan State University, Department Agriculture & Biosyst Engineering, 204 Farrall Hall, East Lansing, Mi 48824, USA

Trans ASAE 2004 **47** (4) 1375

A review of molecularly imprinted polymers for biosensor development for food and agricultural applications

Perez-Olmos R, Soto JC, Zarate N, Araujo AN, Lima JLFC, Saraiva MLMFS// Univ Pais Vasco, Lab Quim Analit, Plaza Casilla 3, ES-48012 Bilbao, Spain

Food Chem 2005 **90** (3) 471

Application of sequential injection analysis (SIA) to food analysis (Overview)

3. Amino acids, proteins & enzymes

Dziuba J, Nalecz D, Minkiewicz P// Univ Warmia & Mazury Olsztyn, Pl Cieszynski 1, PL-10726 Olsztyn, Poland

Milchwissenschaft 2004 **59** (7-8) 366

Chromatographic identification and determination of commercial milk protein preparations in mixtures with soybean protein isolate

Nozal MJ, Bernal JL, Toribio ML, Diego JC, Ruiz A// University Valladolid, Faculty Science, Department Analytical Chemistry, ES-47005 Valladolid, Spain

J Chromatogr A 2004 **1047** (1) 137

Rapid and sensitive method for determining free amino acids in honey by gas chromatography with flame ionization or mass spectrometric detection

Qiao Y, Van Kempen TATG// *Provimi R&T Ctr, Lenneke Marelaan 2, BE-1932 St Stevens Woluwe, Belgium

J Anim Sci 2004 **82** (9) 2596

Comparison of Raman, mid, and near infrared spectroscopy for predicting the amino acid content in animal meals

Robertson GH, Cao TK// USDA/ARS, Western Reg Res Ctr, Pacific West Area, Bioprod Chem & Engn Res Unit, 800 Buchanan St, Albany, Ca 94710, USA

Cereal Chem 2004 **81** (5) 673

Proteins extracted by water or aqueous ethanol during refining of developed wheat dough to vital wheat gluten and crude starch as determined by capillary-zone electrophoresis (CZE)

Simo C, Martin-Alvarez PJ, Barbas C, Cifuentes A// *Inst Ind Fermentacion - CSIC, Juan Cierva 3, ES-28006 Madrid, Spain

Electrophoresis 2004 **25** (16) 2885

Application of stepwise discriminant analysis to classify commercial orange juices using chiral micellar electrokinetic chromatography-laser induced fluorescence data of amino acids

Singh H// Kansas State Univ, Dept Grain Sci & Ind, Manhattan, Ks 66506, USA

Food Chem 2005 **90** (1-2) 247

A study of changes in wheat protein during bread baking using SE-HPLC

Yamada N, Ozawa S, Kageyama N, Miyano H// Ajinomoto Co Inc, Institute Life Sciences, 1-1 Suzukicho, Kawasaki ku, Kawasaki, Kanagawa 210868, Japan

J Agric Food Chem 2004 **52** (17) 5329

Detection and quantification of protein residues in food grade amino acids and

nucleic acids using a dot-blot fluorescent staining method

Yan YM, Jiang Y, Sun MM, Yu JZ, Xiao YH, Zheng JG, Hu YK, Cai MH, Li YX, Hsam SLK, Zeller FJ// Capital Normal University, Department Biology, Key Laboratory Genet & Biotechnology, CN-100037 Beijing, Peoples Rep China

Cereal Chem 2004 **81** (5) 561

Rapid identification of HMW glutenin subunits from different hexaploid wheat species by acidic capillary electrophoresis

Zhao Y, Ma CY*, Yuen SN, Phillips DL// *Univ Hong Kong, Dept Bot, Pokfulam Rd, Hong Kong, Peoples Rep China

J Food Sci 2004 **69** (3) C206

Study of acetylated food proteins by Raman spectroscopy

4. Carbohydrates

Cocciardi RA, Ismail AA, Van de Voort FR, Sedman J// McGill Univ, Dept Food Sci & Agr Chem, Macdonald Campus, 21 111 Lakeshore Rd, Ste Anne de Bellevue, Quebec, Canada H9X 3V9

Milchwissenschaft 2004 **59** (7-8) 403

Monitoring of lactose hydrolysis in milk by single-bounce attenuated total reflectance Fourier transform infrared spectroscopy

Serban S, Dante AF, El Murr N// *Univ Nantes, Fac Sci & Tech, LAEIM/UMR CNRS 6006, FCMN/FR CNRS 2465, 2 rue Houssiniere, BP 92208, FR-44322 Nantes 03, France

J Agric Food Chem 2004 **52** (18) 5588

Rapid and sensitive automated method for glucose monitoring in wine processing

5. Lipids

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

J Chromatogr B 2004 **809** (2) 339

Comparison of conventional and fast gas chromatography in human plasma fatty acid determination

Eras J, Ferran J, Perpina B, Canela R// *Lleida Univ, Dept Chem, ES-25198 Lleida, Spain

J Chromatogr A 2004 **1047** (1) 157

Chlorotrimethylsilane, a reagent for the direct quantitative analysis of fats and oils present in vegetable and meat samples

Guillen MD, Ruiz A, Cabo N// UPV, Fac Farm, Paseo Univ 7, ES-01006 Vitoria, Spain

J Sci Food Agric 2004 **84** (12) 1528

Study of the oxidative degradation of farmed salmon lipids by means of Fourier transform infrared spectroscopy. Influence of salting

Marikkar JMN, Ghazali HM, Che Man YB, Peiris TSG, Lai OM// *Univ Putra Malaysia, Dept Biotechnol, MY-43400 UPM Serdang, Selangor, DE, Malaysia

Food Chem 2005 **90** (1-2) 23

Use of gas liquid chromatography in combination with pancreatic lipolysis and multivariate data analysis techniques for identification of lard contamination in some vegetable oils

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.

Neron S, El Amrani F, Potus J, Nicolas J*// *Conservatoire Natl Arts & Metiers, Lab Biochim Ind & Agro-Alimentaire, UMR 1211 SCALE ENSIA/CNAM/INRA, 292 rue St Martin, FR-75141 Paris 03, France
J Chromatogr A 2004 **1047** (1) 77

Separation and quantification by high-performance liquid chromatography with light scattering detection of the main wheat flour phospholipids during dough mixing in the presence of phospholipase

Wu ZG, Rodgers RP, Marshall AG*// *Florida State Univ, Natl High Magnetic Field Lab, Ion Cyclotron Resonance Program, Tallahassee, FL 32310, USA
J Agric Food Chem 2004 **52** (17) 5322

Characterization of vegetable oils: Detailed compositional fingerprints derived from electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry

6. Vitamins & co-factors

Akalin AS, Gonc S, Dinkci N// Univ Ege, Fac Agr, Dept Dairy Technol, TR-35100 Izmir, Turkey
Int J Food Sci Nutr 2004 **55** (4) 345

Liquid chromatographic determination of thiamin in dairy products

Bicanic D, Swarts J, Luterotti S, Pietraperzia G, Doka O, De Rooij H// Univ Wageningen & Res Ctr, Dept Agrotechnol & Food Sci, Div Biophys, Laser Lab Photothermal Sci, NL-6703 HA Wageningen, The Netherlands
Nat Chem 2004 **76** (17) 5203

Direct quantification of lycopene in products derived from thermally processed tomatoes: Optothermal window as a selective, sensitive, and accurate analytical method without the need for preparatory steps

Che Man YB, Ammawath W, Mirghani MES// Univ Putra Malaysia, Fac Food Sci & Biotechnol, Dept Food Technol, MY-43300 UPM Serdang, Selangor, Malaysia
Food Chem 2005 **90** (1-2) 323

Determining α -tocopherol in refined bleached and deodorized palm olein by Fourier transform infrared spectroscopy

De Quiros ARB, Lopez-Hernandez J*, Simal-Lozano J// *Univ Santiago de Compostela, Fac Pharm, Analyt Chem Nutr & Bromatol Dept, Nutr & Bromatol Grp, ES-15782 Santiago de Compostela, Spain
Int J Food Sci Nutr 2004 **55** (4) 259

Simultaneous determination of thiamin and riboflavin in the sea urchin, *Paracentrotus lividus*, by high-performance liquid chromatography

Gliszczynska-Swiglo A, Sikorska E// Poznan Univ Econ, Fac Commodity Sci, al Niepodleglosci 10, PL-60967 Poznan, Poland
J Chromatogr A 2004 **1048** (2) 195

Simple reversed-phase liquid chromatography method for determination to tocopherols in edible plant oils

Rumelin A, Humbert T, Fauth U// Univ Mainz Klinikum, Anesthesiol Klin, Langenbeckstr 1, DE-55101 Mainz, Germany
Arzneimittelforschung 2004 **54** (7) 376

Determination of α -tocopherol in plasma by high performance liquid chromatography with fluorescence detection and stability of α -tocopherol under different conditions

7. Trace elements & minerals

Kumar KS, Rao SP, Krishnaiah L, Rao KS, Naidu GRK, Chiranjeevi P*// *Sri Venkateswara Univ, Dept Chem, Environm Monitoring Sect, IN-517502 Tirupati, India
Environ Monit Assess 2004 **98** (1-3) 191

Detection of lead in vegetables with new chromogenic reagent by spectrophotometry

Lima MJR, Fernandes SMV, Rangel AOSS*// *Univ Catolica Portuguesa, Escola Super Biotecnol, R Dr Antonio Bernardino Almeida, PT-4200-072 Oporto, Portugal
Food Control 2004 **15** (8) 609

Sequential injection titration of chloride in milk with potentiometric detection

Misiego AS, Carra RMGM, Carracedo MPA, Sanchez-Simon MTG// Univ Extremadura, Dept Quim Analit & Electroquim, ES-06071 Badajoz, Spain
J Agric Food Chem 2004 **52** (17) 5316

Electroanalytical determination and fractionation of copper in wine

Munoz E, Palmero S// Univ Burgos, Fac Ciencias, Dept Quim, Area Quim Analit, Pl Misael Banelos s/n, ES-09001 Burgos, Spain
Food Control 2004 **15** (8) 635

Determination of heavy metals in milk by potentiometric stripping analysis using a home-made flow cell

Pacheco D, Knowles SO, Deighton MH, Stuttle K, Rounce JR, Barnett MPG,

McNabb WC// AgRes Ltd, Nutr & Metab Team, Grassland Res Ctr Nutr & Behav, Private Bag 11008, Palmerston North, New Zealand
J Anim Feed Sci 2004 **13** (Suppl 1) 285

Measurement of iron absorption in milk-fed calves using a dual stable isotope technique

8. Drug, biocide & processing residues

Basheer C, Lee HK*// *Natl Univ Singapore, Dept Chem, 3 Sci Dr 3, SG-117543 Singapore, Rep Singapore
J Chromatogr A 2004 **1047** (2) 189

Hollow fiber membrane-protected solid-phase microextraction of triazine herbicides in bovine milk and sewage sludge samples

Choma I, Pilorz K// Marie Curie Sklodowska Univ, Dept Chem Phys & Physicochem Methods Separat, Sklodowska Sq 3, PL-20031 Lublin, Poland
J Liq Chromatogr Relat Technol 2004 **27** (14) 2143

A novel application of matrix-solid phase dispersion for determination of doxycycline and flumequine residues in milk

Di Donna L, Grassi G, Mazzotti F, Perri E, Sindona G*// *Univ Calabria, Dipt Chim, Cubo 12/C, IT-87030 Arcavacata di Rende, CS, Italy
J Mass Spectrom 2004 **39** (12) 1437

High-throughput assay of rotenone in olive oil using atmospheric pressure chemical ionization tandem mass spectrometry

Ferrer E, Alegria A, Farre R*, Abellan P, Romero F// *Univ Valencia, Fac Pharm, Nutr & Food Chem, Avda Vincent Andres Estelles s/n, ES-46100 Burjassot, Valencia, Spain
Food Chem 2005 **89** (4) 639

High-performance liquid chromatographic determination of furfural compounds in infant formulas during full shelf-life

Frenich AG, Vidal JLM*, Lopez TL, Aguado SC, Salvador IM// *Univ Almeria, Dept Analyt Chem, ES-04071 Almeria, Spain
J Chromatogr A 2004 **1048** (2) 199

Monitoring multi-class pesticide residues in fresh fruits and vegetables by liquid chromatography with tandem mass spectrometry

Gomis DB, Ferreras AIA, Alvarez MDG, Garcia EA// Univ Oviedo, Fac Quim, Dept Quim Fis & Anal, Julian Claveria 8, ES-33006 Oviedo, Spain
J Food Sci 2004 **69** (5) C415

Determination of spiramycin and josamycin in milk by HPLC and fluorescence detection

Kawaguchi M, Takahashi S, Seshimo F, Sakui N, Okanouchi N, Ito R, Inoue K, Yoshimura Y, Izumi S, Makino T, Nakazawa H*// *Hoshi Univ, Fac Pharmaceut Sci, Dept Analyt Chem, 2-4-41 Ebara, Shinagawa ku, Tokyo 142 8501, Japan
J Chromatogr A 2004 **1046** (1-2) 83

Determination of 4-tert-octylphenol and 4-nonylphenol in laboratory animal feed sample by stir bar sorptive extraction followed by liquid desorption and column-switching liquid chromatography-mass spectrometry with solid-phase extraction

Khong SP, Gremaud E, Richoz J, Delatour T, Guy PA, Stadler RH, Mottier P*// *Nestec Ltd, Nestle Res Ctr, Vers-chez-les-Blanc, CH-1000 Lausanne 26, Switzerland
J Agric Food Chem 2004 **52** (17) 5309

Analysis of matrix-bound nitrofurans residues in worldwide-originated honeys by isotope dilution high-performance liquid chromatography-tandem mass spectrometry

Martinez E, Gros M, Lacorte S*, Barcelo D// *IIQAB - CSIC, Dept Environm Chem, Jordi Girona 18-26, ES-08034 Barcelona, Spain
J Chromatogr A 2004 **1047** (2) 181

Simplified procedures for the analysis of polycyclic aromatic hydrocarbons in water, sediments and mussels

Pagliuca G, Gazzotti T, Zironi E, Pavoncelli N, Rosmini R// Univ Bologna, Alma Mater Studiorum, Sez Igiene & Tecnol Alimentare, IT-40064 Ozzano dell'Emilia, Bologna, Italy
Vet Res Commun 2004 **28** (1 Suppl 1) 257

Proposal of an analytical method for determination of residues of organophosphorus pesticides in milk by GLC-NPD

Palibroda N, Brandsch J, Piringer O, Brandsch R// INCNTIM - Nat Inst R & D Isotop & Mol Tech, Str Donath 71-103, RO-400293 Cluj-Napoca, Romania
J Mass Spectrom 2004 **39** (12) 1484

Direct analysis of some diamines in food simulants used for migration tests by electrospray ionization tandem mass spectrometry

Patel K, Fussell RJ*, Macarthur R, Goodall DM, Keely BJ// *Cent Sci Lab, Sand Hutton, York YO14 1LZ, England
J Chromatogr A 2004 **1046** (1-2) 225

Method validation of resistive heating-gas chromatography with flame photometric detection for the rapid screening of organophosphorus pesticides in fruit and vegetables

Rissato SR, Galhiane MS, Knoll FRN, Apon BM// UNESP - Paulista State Univ, Fac Sci, Dept Chem, POB 473, BR-17033-360 Bauru, SP, Brazil
J Chromatogr A 2004 **1048** (2) 153

Supercritical fluid extraction for pesticide multiresidue analysis in honey: Determination by gas chromatography with electron-capture and mass spectrometry detection

Sanusi A, Guillet V, Montury M*// *Univ Bordeaux I, Lab Physico & Toxico-Chim Syst Nat, UMR 5472 CNRS, Equipe Perigourdine Chim Appl, BP 1043, FR-24001 Perigueux, France
J Chromatogr A 2004 **1046** (1-2) 35

Advanced method using microwaves and solid-phase microextraction coupled with gas chromatography-mass spectrometry for the determination of pyrethroid residues in strawberries

Viberg P, Nilsson S, Skog K// Lund Univ, Dept Food Technol Engn & Nutr, Div Appl Nutr & Food Chem, POB 124, SE-22100 Lund, Sweden
Anal Bioanal Chem 2004 **378** (7) 1279

In-capillary micro solid-phase extraction and capillary electrophoresis separation of heterocyclic aromatic amines with nanospray mass spectrometric detection

9. Toxins/Allergens

Blesa J, Berrada H, Soriano JM*, Molto JC, Manes J// *Univ Valencia, Fac Pharm, Lab Food Chem & Toxicol, Avda Vicent Andres Estelles s/n, ES-46100 Burjassot, Valencia, Spain
J Chromatogr A 2004 **1046** (1-2) 127

Rapid determination of ochratoxin A in cereals and cereal products by liquid chromatography

Mouratidou T, Kaniou-Grigoriadou I, Samara C, Koumtzis T// Minist Agricult, Natl Reference Lab Marine Biotoxins, Ctr Vet Inst Thessaloniki, Limnou 3A, GR-54627 Thessaloniki, Greece
J Liq Chromatogr Relat Technol 2004 **27** (14) 2153

Determination of okadaic acid and related toxins in Greek mussels by HPLC with fluorimetric detection

Shamsaie A, Kobarfard F*, Yazdanpanah H, Sabzevari O// *Shaheed Beheshti Univ, Sch Pharm, Med Sci & Hlth Serv, POB 14155-6153, Tehran, Iran
J Am Oil Chem Soc 2004 **81** (7) 719

Is FTIR-ATR a sensitive tool for determination of aflatoxins? (Letter)

Yu FY, Liu BH, Wu TS, Chi TF, Su MC// 110 Sec 1 Chien Kuo Nth Rd, Taichung, Taiwan
J Agric Food Chem 2004 **52** (17) 5334

Development of a sensitive enzyme-linked immunosorbent assay for the determination of domoic acid in shellfish

10. Additives

Di Donna L, Maiuolo L, Mazzotti F, De Luca D, Sindona G*// *Univ Calabria, Dipt Chim, Via P Bucci, Cubo 12/C, IT-87030 Arcavacata di Rende, CS, Italy
Anal Chem 2004 **76** (17) 5104

Assay of Sudan I contamination of foodstuff by atmospheric pressure chemical ionization tandem mass spectrometry and isotope dilution

Kucukcetin A, Sik B, Cicek A, Certel M// Akdeniz Univ, Fac Agr, Dept Food Engn, TR-07070 Antalya, Turkey
Milchwissenschaft 2004 **59** (7-8) 420

Determination of sodium benzoate and potassium sorbate in yoghurt and white pickled cheese by HPLC

11. Flavours & aromas

Alasalvar C, Odabasi AZ, Demir N, Balaban MO, Shahidi F, Cadwallader KR// Lincoln Univ, Fac Hlth & Life Sci, Ctr Food Res, Brayford Pool, Lincoln LN6 7TS, England
J Food Sci 2004 **69** (3) S99

Volatiles and flavor of five Turkish hazelnut varieties as evaluated by descriptive sensory analysis, electronic nose, and dynamic headspace analysis/gas chromatography-mass spectrometry

Benedetti S, Mannino S, Sabatini AG, Marcazzan GL// University Milan, Department Food Sci & Technol, Chem Unit, Via Celoria 2, IT-20133 Milan, Italy
Apidologie 2004 **35** (4) 397

Electronic nose and neural network use for the classification of honey

Bianchi F, Careri M, Musci M*// *Univ Parma, Dipt Chim Gen & Inorg Chim Analit Chim Fis, Parco Area Sci 17/A, IT-43100 Parma, Italy
Food Chem 2005 **89** (4) 527

Volatile norisoprenoids as markers of botanical origin of Sardinian strawberry-tree (*Arbutus unedo* L.) honey: Characterisation of aroma compounds by dynamic headspace extraction and gas chromatography-mass spectrometry

Chapman DM, Thorngate JH, Matthews MA, Guinard JX, Ebeler SE*// *Univ Calif Davis, Dept Food Sci & Technol, Davis, Ca 95616, USA
J Agric Food Chem 2004 **52** (17) 5431

Yield effects on 2-methoxy-3-isobutylpyrazine concentration in Cabernet Sauvignon using a solid phase microextraction gas chromatography/mass spectrometry method

Deibler KD, Llesca FM, Lavin EH, Acree TE*// *Cornell Univ, Dept Food Sci & Technol, New York State Agr Exp Station, 630 West Nth St, Geneva, NY 14456, USA
Flavour Fragr J 2004 **19** (6) 518

Calibration of gas chromatography inlet splitting for gas chromatography olfactometry dilution analysis

Ferrari G, Lablanquie O, Cantagrel R, Ledauphin H, Payot T, Fournier N, Guichard E// BNIC, Stn Viticole, 69 Bellefonds, FR-16100 Cognac, France
J Agric Food Chem 2004 **52** (18) 5670

Determination of key odorant compounds in freshly distilled cognac using GC-O, GC-MS, and sensory evaluation

Gan HL, Che Man YB*, Tan CP, NorAini I, Nazimah SAH// *Univ Putra Malaysia, Fac Food Sci & Biotechnol, Dept Food Technol, MY-43300 UPM Serdang, Selangor, DE, Malaysia
Food Chem 2005 **89** (4) 507

Characterisation of vegetable oils by surface acoustic wave sensing electronic nose

Gomez-Ariza JL, Garcia-Barrera T, Lorenzo F// Univ Huelva, Fac Ciencias Expt, Dept Quim & Cienc Mat, Campus El Carmen, ES-21007 Huelva, Spain
J Chromatogr A 2004 **1047** (2) 313

Determination of flavour and off-flavour compounds in orange juice by on-line coupling of a pervaporation unit to gas chromatography-mass spectrometry

Guillen MD, Ibargoitia ML, Sopelana P, Palencia G// Univ Pais Vasco, Fac Farm, Paseo Univ 7, ES-01006 Vitoria, Spain
Lait 2004 **84** (4) 385

Components detected by headspace-solid phase microextraction in artisanal fresh goat's cheese smoked using dry prickly pear (*Opuntia ficus indica*)

Insa S, Salvado V, Antico E*// *Univ Girona, Dept Chem, Campus Montilivi, ES-17071 Girona, Spain
J Chromatogr A 2004 **1047** (1) 15

Development of solid-phase extraction and solid-phase microextraction methods for the determination of chlorophenols in cork macerate and wine samples

Kanavouras A, Kiritsakis A, Hernandez RJ// Unilever-BestFoods Europe, Spreads & Cooking Prod Category, Nassaukade 3, NL-3071 JL Rotterdam, The Netherlands
Food Chem 2005 **90** (1-2) 69

Comparative study on volatile analysis of extra virgin olive oil by dynamic headspace and solid phase micro-extraction

Martinez-Urunuela A, Gonzalez-Saiz JM, Pizarro C*// *Univ La Rioja, Dept Chem, C/ Madre de Dios 51, ES-28006 Logrono, La Rioja, Spain
J Chromatogr A 2004 **1048** (2) 141

Optimisation of the derivatisation reaction and subsequent headspace solid-phase microextraction method for the direct determination of chlorophenols in red wine

Romeu-Nadal A, Castellote AI, Lopez-Sabater MC*// *Univ Barcelona, Fac Farm, Dept Nutr & Bromatol, CeRTA, Avda Joan 23 s/n, ES-08028 Barcelona, Spain
J Chromatogr A 2004 **1046** (1-2) 235

Headspace gas chromatographic method for determining volatile compounds in infant formulas

Samanidou VF, Evaggelopoulou EN, Papadoyannis LN*// *Aristotle Univ Thessaloniki, Dept Chem, Analyt Chem Lab, GR-54124 Thessaloniki, Greece
J Liq Chromatogr Relat Technol 2004 **27** (15) 2397

Simple and rapid HPLC method for the determination of quinine in soft drinks using fluorescence detection

Sanches-Silva A, De Quiros ARB, Lopez-Hernandez J*, Paseiro-Losada P// *Univ Santiago de Compostela, Fac Pharm, Dept Analyt Chem Nutr & Bromatol, ES-15782 Santiago de Compostela, Spain
J Chromatogr A 2004 **1046** (1-2) 75

Determination of hexanal as indicator of the lipidic oxidation state in potato crisps using gas chromatography and high-performance liquid chromatography

Vallejo-Cordoba B, Gonzalez-Cordova AF, Del Carmen Estrada-Montoya M// Ctr Invest Alimentacion & Desarrollo AC, Carretera Victoria km 0.6, MX-83000 Sonora, AC, Mexico
J Agric Food Chem 2004 **52** (18) 5567

Tequila volatile characterization and ethyl ester determination by solid phase microextraction gas chromatography/mass spectrometry analysis

13. Animal products

Chung HW, Hong JH, Kim MC, Marshall MR, Jeong Y, Han SB*// *Korea Food & Drug Adm, Dept Food Evaluat, Div Food Stand, 5 Nokbundong, Eunpyung gu, Seoul 122 704, South Korea

J Food Sci 2004 **69** (5) C399

Detection properties of irradiated ostrich meat by DNA comet assay and radiation-induced hydrocarbons

Dooley JJ, Paine KE, Garrett SD, Brown HM// Campden & Chorleywood Food Res Assoc, Dept Chem & Biochem, Station Rd, Chipping Campden GL55 6LD, England

Meat Sci 2004 **68** (3) 431

Detection of meat species using TaqMan real-time PCR assays

Erikson U, Veliyulin E, Singstad TE, Aursand M// SINTEF Fisheries & Aquaculture, NO-7465 Trondheim, Norway

J Food Sci 2004 **69** (3) E107

Salting and desalting of fresh and frozen-thawed cod (*Gadus morhua*) fillets: A comparative study using ²³Na NMR, ²³Na MRI, low-field ¹H NMR, and physicochemical analytical methods

Haasnoot W, Smits NGE, Kemmers-Voncken AEM, Bremer MGE// RIKILT, Inst Food Safety, POB 230, NL-6700 AE Wageningen, The Netherlands

J Dairy Res 2004 **71** (3) 322

Fast biosensor immunoassays for the detection of cows' milk in the milk of ewes and goats

Karoui R, Dufour E*, Pillonel L, Picque D, Cattenoz T, Bosset JO// *ENITA Clermont Ferrand, UR Typicite Produits Alimentaires, FR-63370 Lempdes, France

Lait 2004 **84** (4) 359

Fluorescence and infrared spectroscopies: A tool for the determination of the geographic origin of Emmental cheeses manufactured during summer

Le Dean A, Mariette F*, Marin M// *UR Technol Equipements Agro-Alimentaires, Cemagref, 17 Ave Cucille, CS 64427, FR-35044 Rennes, France

J Agric Food Chem 2004 **52** (17) 5449

¹H nuclear magnetic resonance relaxometry study of water state in milk protein mixtures

Sananikone K, Delwiche MJ*, BonDurant RH, Munro CJ// *Univ Calif Davis, Dept Biol & Agr Engn, Davis, Ca 95616, USA

Trans ASAE 2004 **47** (4) 1357

Quantitative lateral flow immunoassay for measuring progesterone in bovine milk

Shackelford SD, Wheeler TL, Koohmaria M// USDA/ARS, Roman L Hruska US Meat Anim Res Center, POB 166, Clay Center, Ne 68933, USA

Meat Sci 2004 **68** (3) 371

Development of optimal protocol for visible and near-infrared reflectance spectroscopic evaluation of meat quality

Shimada K, Sakuma Y, Wakamatsu J, Fukushima M, Sekikawa M, Kuchida K, Mikami M// Obihiro Univ Agr & Vet Med, Sch Agr, Meat Sci Lab, Obihiro, Hokkaido 080 855, Japan

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Species and muscle differences in L-carnitine levels in skeletal muscles based on a new simple assay

Tolasa S, Cakli S*, Ostermeyer U// *Ege Univ, Fac Fisheries, Sch & Fischverarbeitung, Abt Fischereiwissn, TR-35100 Izmir, Turkey

Arch Lebensmittelhyg 2004 **55** (3) 63

Determination of carotenoids in different commercial salmon samples (German, English Abstract)

Wang HC, Lee SH, Chang TJ, Wong ML*// *Nat'l Chung Hsing Univ, Coll Vet Med, Dept Vet Med, Taichung 402, Taiwan

J Vet Med Sci 2004 **66** (7) 855

Examination of meat components in commercial dog and cat feed by using polymerase chain reaction-restriction fragment length polymorphisms (PCR-RFLPs) technique

14. Plant & microbial products

Alonso-Salces RM, Ndjoko K, Queiroz EF, Ioset JR, Hostettmann K, Berrueta LA*, Gallo B, Vicente F// *University Pais Vasco - Euskal Herriko Unibertsitatea, Fac Ciencias, Dept Quim Analit, POB 644, ES-48080 Bilbao, Spain

J Chromatogr A 2004 **1046** (1-2) 89

On-line characterisation of apple polyphenols by liquid chromatography coupled with mass spectrometry and ultraviolet absorbance detection

Aturki Z, Brandi V, Sinibaldi M*// *CNR, Ist Metodol Chim, Area Ric Roma 1, POB 10, IT-00016 Monterotondo, Italy

J Agric Food Chem 2004 **52** (17) 5303

Separation of flavanone-7-O-glycoside diastereomers and analysis in citrus juices by multidimensional liquid chromatography coupled with mass spectrometry

Avula B, Ganzera M, Warnick JE, Feltenstein MW, Sufka KJ, Khan IA*// *Univ Mississippi Sch Pharm, Pharmaceut Sci Res Inst, Natl Ctr Nat Prod Res, University, Ms 38677, USA

J Chromatogr Sci 2004 **42** (7) 378

High-performance liquid chromatographic determination of xanthohumol in rat plasma, urine, and fecal samples

Brenna OV, Berardo N// Univ Milan, Dept Food Sci & Microbiol, Via Celoria 2, IT-20133 Milan, Italy

J Agric Food Chem 2004 **52** (18) 5577

Application of near-infrared reflectance spectroscopy (NIRS) to the evaluation of carotenoids content in maize

Cichelli A, Pertesana GP*// *Univ Gabriele Annunzio, Dipt Sci, Viale Pindaro 42, Pescara, Italy

J Chromatogr A 2004 **1046** (1-2) 141

High-performance liquid chromatographic analysis of chlorophylls, pheophytins and carotenoids in virgin olive oils: Chemometric approach to variety classification

De Boever JL, Vanacker JM, Fiems LO, De Brabander DL// Minist Flemish Community, Dept Anim Nutr & Husbandry, Res Ctr, Scheldeweg 68, BE-9090 Melle, Belgium

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