

Food Chemistry 77 (2002) 267-278



www.elsevier.com/locate/foodchem

Bibliography of analytical, nutritional and clinical methods

(9 weeks journals. Search completed at 27th. Feb. 2002)

1. Books, reviews & symposia

Abidi SL// USDA/ARS, Natl Ctr Agr Utilizat Res, 1815 Nth Univ St, Peoria, Il 61604, USA

J Chromatogr A 2001 935 (1-2) 173

Chromatographic analysis of plant sterols in foods and vegetable oils (Review)

Aceto M, Abollino O, Bruzzoniti MC, Mentasti E, Sarzanin C, Malandrino M// Univ East Piedmont, Dept Sci & Adv Technol, Corso Borsalino 54, IT-15100 Alessandria, Italy

Food Addit Contam 2002 19 (2) 126

Determination of metals in wine with atomic spectroscopy (flame-AAS, GF-AAS and ICP-AES): A review

Ahmed FE// East Carolina Univ, Brody Sch Med, Dept Radiat Oncol, Leo W Jenkins Cane Ctr, Greenville, NC 27858, USA

Trends Anal Chem 2001 20 (11) 649

Analyses of pesticides and their metabolites in foods and drinks (Review)

Aust O, Sies H, Stahl W, Polidori MC*// *Univ Dusseldorf, Inst Physiol Chem 1, Moorenstr 5, DE-40225 Dusseldorf, Germany

J Chromatogr A 2001 936 (1-2) 83

Analysis of lipophilic antioxidants in human serum and tissues: Tocopherols and carotenoids (Review)

Behnisch PA, Hosoe K, Sakai S// Kaneka Corp, Life Sci Res Labs, Takasago, Hyogo, Japan

Environ Int 2001 27 (6) 495

Combinatorial bio/chemical analysis of dioxin and dioxin-like compounds in waste recycling, feed/food, humans/wildlife and the environment (Review)

Besler M// Internet Symposium Food Allergens, Mildestieg 17, DE-22307 Hamburg, Germany

Trends Anal Chem 2001 **20** (11) 662

Determination of allergens in foods (Review)

Cserhati T, Forgacs E// Hungarian Acad Sci, Inst Chem, Chem Res Ctr, POB 17, HU-1525 Budapest, Hungary

J Chromatogr A 2001 **936** (1-2) 119

Liquid chromatographic separation in terpenoid pigments in foods and food products (Review)

Dobson G// Scottish Crop Res Inst, Dundee DD2 5DA, Scotland

Eur J Lipid Sci Technol 2001 103 (12) 815

Spectroscopy and spectrometry of lipids: Part I - Lipid analysis by vibrational spectroscopy

Frazier RA// Univ Reading, Sch Food Biosci, POB 226, Reading RG6 6AP, England

Electrophoresis 2001 22 (19) 4197

Recent advances in capillary electrophoresis methods for food analysis

Gundersen TE, Blomhoff R// Univ Oslo, Fac Med, Inst Nutr Res, POB 1046, NO-0316 Oslo, Norway

J Chromatogr A 2001 935 (1-2) 13

Qualitative and quantitative liquid chromatographic determination of natural retinoids in biological samples (Review)

Luque-Garcia JL, Luque de Castro MD*// *Univ Cordoba, Div Analyt Chem, Annex C-3, Campus Rabanales, ES-14071 Cordoba, Spain

J Chromatogr A 2001 935 (1-2) 3

Extraction of fat-soluble vitamins (Review)

Mizuno M// Kobe Univ, Grad Sch Sci & Technol, Nada ku, 1-1 Rokkodai cho, Kobe, Hyogo 657 8501, Japan

J Jpn Soc Food Sci Technol 2001 **48** (11) 793

Establishment in quantification of functional polysaccharides from edible mushrooms using enzyme-linked immunosorbent assay (Review) (Japanese, English Abstract)

Moreda W, Perez-Camino MC, Cert A// CSIC, Inst Grasa, Avda Padre Garcia Tejero 4, ES-41012 Seville, Spain

J Chromatogr A 2001 **936** (1-2) 159

Gas and liquid chromatography of hydrocarbons in edible vegetable oils (Review)

Naumov, Jovanovski G// Sv Kiril i Metodij Univ, Fac Sci, Inst Chem, POB 162, Skopje 1001, Macedonia

Curr Org Chem 2001 5 (10) 1059

An update to the combined vibrational-diffraction experimental and theoretical studies of small biologically important cyclic imides: Reference to saccharin (Review)

Oliveira EJ, Watson DG*// *Univ Strathclyde, Inst Biomed Sci, Dept Pharmaceut Sci, 27 Taylor St, Glasgow G4 0NR, Scotland

J Chromatogr B 2001 764 (1-2) 3

Chromatographic techniques for the determination of putative dietary anticancer compounds in biological fluids (Review)

Pyrzynska K// Univ Warsaw, Dept Chem, Pasteura 1, PL-02083 Warsaw, Poland

Talanta 2001 55 (4) 657

Analysis of selenium species by capillary electrophoresis (Review)

Savchuk SA, Vlasov VN, Appolonova SA, Arbuzov VN, Vedenin AN, Mezinov AB, Grigoryan BR// Russian Acad Sci, VI Vernadskii Inst Geochem & Analyt Chem, ul Kosygina 19, RU-117975 Moscow, Russia

J Anal Chem-Engl Tr 2001 56 (3) 214

Application of chromatography and spectrometry to be the authentication of alcoholic beverages (Review)

Turner C, King JW, Mathiasson L// Lund Univ, Dept Analyt Chem, POB 124, SE-22100 Lund, Sweden

J Chromatogr A 2001 936 (1-2) 215

Supercritical fluid extraction and chromatography for fat-soluble vitamin analysis (Review)

Volin P// Caloniuksenk 10 C 47, FI-00010 Helsinki, Finland

J Chromatogr A 2001 935 (1-2) 125

Analysis of steroidal lipids by gas and liquid chromatography (Review)

2. General

Bilke S, Mosandl A*// *JW Goethe-Univ, Inst Lebensmittelchem, Biozentrum, Marie-Curic-Str 9, DE-60439 Frankfurt/Main, Germany

Rapid Commun Mass Spectrom 2002 16 (5) 468

Measurements by gas chromatography/pyrolysis/mass spectrometry: Fundamental conditions in $^2\mathrm{H}^{1}\mathrm{H}$ isotope ratio analysis

Irudayaraj J, Sivakesava S, Kamath S, Yang H// Penn State University, Department Agric & Biol Engn, 227 Agric Engn Bldg, University Park, Pa 16802, USA

J Food Sci 2001 66 (9) 1416

Monitoring chemical changes in some foods using Fourier transform photo-acoustic spectroscopy

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; 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.

PII: S0308-8146(02)00197-8

3. Amino acids, proteins & enzymes

Bamforth CW, Kapp GR, Smythe JE// Univ California, Dept Food Sci & Technol, Davis, Ca 95616, USA

Food Chem 2001 75 (3) 377

The measurement of hydrophobic polypeptides in beer using the fluorochrome 1-anilino-8-naphthalenesulfonate

Bean SR, Lookhart GL*// USDA/ARS, Kansas State Univ, Dept Grain Sci & Ind, Grain Mktg & Prod Res Ctr, Manhattan, Ks 66502, USA

Electrophoresis 2001 22 (19) 4207

High-performance capillary electrophoresis of meat, dairy, and cereal proteins

Chen SS, Chen NH// Chung Hwa Coll Med Technol, Dept Food Nutr, Jen Te 717, Taiwan

J Chin Chem Soc 2001 48 (4) 757

The HPLC analysis of the concentration and enantiomeric purity of selected amino acids in two highly fermented foods

Cordeiro F, Bordin G, Rodriguez AR, Hart JP// Commiss European Communities, Joint Res Ctr, Inst Reference Mat & Measurements, Retiese Weg, BE-2440 Geel, Belgium

Analyst 2001 126 (12) 2178

Uncertainty estimation on the quantification of major milk proteins by liquid chromatography

Daniel C, Triboi E*// *INRA, Unite Agron, Site Crouel, 234 Ave Brezet, FR-63039 Clermont Ferrand 02, France

Aust J Plant Physiol 2001 28 (12) 1197

Effects of temperature and nitrogen nutrition on the accumulation of gliadins analysed by RP-HPLC

Devos C, Sandra K, Sandra P*// *State Univ Ghent, Dept Organ Chem, Kruigslaan 281 S4, BE-9000 Ghent, Belgium

J Pharmaceut Biomed Anal 2002 27 (3-4) 507

Capillary gas chromatography inductively coupled plasma mass spectrometry (CGC-ICPMS) for the enantiomeric analysis of D,L-selenomethionine in food supplements and urine

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

Anal Chim Acta 2001 449 (1-2) 243

Reversed-phase high-performance liquid chromatography on-line with the second and fourth derivative ultraviolet spectroscopy as a tool for identification of milk proteins

Espeja E, Garcia MC, Marina ML*// *Univ Alcala de Henares, Fac Quim, Dept Quim Anal, ES-28871 Alcala de Henares, Spain

J Sep Sci 2001 24 (10) 856

Fast detection of added soybean proteins in cow's, goat's and ewe's milk by perfusion reversed-phase, high-performance liquid chromatography

Fabiani A, Versari A*, Parpinello GP, Castellari M, Galassi S// *Univ Bologna, Corso Laurea Sci & Tecnol Alimentari, via Ravennate 1020, IT-47023 Cesena, FC, Italy

J Chromatogr Sci 2002 40 (1) 14

High-performance liquid chromatographic analysis of free amino acids in fruit juices using derivatization with 9-fluorenylmethyl-chloroformate

Garcia-Villar N, Saurina J*, Hernandez-Cassou S// *Univ Barcelona, Dept Analyt Chem, Diagonal 647, ES-08028 Barcelona, Spain

Fresenius J Anal Chem 2001 371 (7) 1001

Potentiometric sensor array for the determination of lysine in feed samples using multivariate calibration methods

Gorinstein S, Delgado-Licon E, Pawelzik E, Permady HH, Wiesz M, Trakhtenberg S// *Hebrew Univ, Hadassah Med Sch, Sch Pharm, Dept Med Chem & Nat Prod, POB 12065, IL-91120 Jerusalem, Israel

J Agric Food Chem 2001 49 (11) 5595

Characterization of soluble amaranth and soybean proteins based on fluorescence, hydrophobicity, electrophoresis, amino acid analysis, circular dichroism, and differential scanning calorimetry measurements

Guidi A, Laricchia-Robbio L, Gianfaldoni D, Revoltella R, Del Bono G// Univ Pisa, Dept Anim Pathol Prophylaxis & Food Hyg, via delle Piaggie 2, IT-56100 Pisa, Italy

Biosens Bioelectron 2001 16 (9-12) 971

Comparison of a conventional immunoassay (ELISA) with a surface plasmon resonance-based biosensor for IGF-1 detection in cows' milk

Haasnoot W, Olieman K, Cazemier G, Verheijen R// RIKILT-State Inst Qual Control Agr Prod, POB 230, NL-6700 AE Wageningen, The Netherlands *J Agric Food Chem* 2001 **49** (11) 5201

Direct biosensor immunoassays for the detection of nonmilk proteins in milk powder

Herbert P, Santos L, Alves A*// *Univ Porto, Fac Engn, Dept Engn Quim, PT-4200-465 Oporto, Portugal

J Food Sci 2001 66 (9) 1319

Simultaneous quantification of primary, secondary amino acids, and biogenic amines in musts and wines using OPA/3-MPA/FMOC-CI fluorescent derivatives

Hoenicke K, Simat TJ*, Steinhart H, Kohler HJ, Schwab A// *Univ Hamburg, Inst Biochem & Food Chem, Grindelallee 117, DE-20146 Hamburg, Germany J Agric Food Chem 2001 49 (11) 5494

Determination of free and conjugated indole-3-acetic acid, tryptophan, and tryptophan metabolites in grape must and wine

Mierzejewska D, Panasiuk R, Jedrychowski L// Polish Acad Sci, Div Food Sci, Inst Anim Reprod & Food Sci, 10 Tuwima St, PL-10748 Olsztyn, Poland *Milchwissenschaft* 2002 **57** (1) 9

Capillary electrophoresis determination of denaturation degree of cow milk α -lactalbumin during heat treatment of whey

Oliveira MIP, Pimentel MC, Montenegro MCBSM, Araujo AN, Pimentel MF, daSilva VL*// *UFPE, Dept Chem Engn, Lab Environm & Qual Engn, BR-50740-521 Recife, PE, Brazil

Anal Chim Acta 2001 448 (1-2) 207

L-Glutamate determination in food samples by flow-injection analysis

Ozyurt S, Kirdar B, Ulgen KO*// *Bogazici Univ, Dept Chem Engn, TR-80815 Istanbul, Turkey

J Chromatogr A 2002 944 (1-2) 203

Recovery of antithrombin III from milk by expanded bed chromatography

Rumbo M, Chirdo FG, Fossati CA, Anon MC// Natl Univ La Plata, Fac Ciencias Exactas, 47 & 115, AR-1900 La Plata, Argentina

J Agric Food Chem 2001 **49** (12) 5719

Analysis of the effects of heat treatment of gliadin immunochemical quantification using a panel of anti-prolamin antibodies

Trucksess MW// US/FDA, Ctr Food Safety & Appl Nutr, Washington, DC 20204, USA

J AOAC Int 2001 84 (6) 1891

Determination of Cry9C protein in corn-based foods by enzyme-linked immunosorbent assay: Interlaboratory study

Ueno T, Stevenson SG, Preston KR*, Nightingale MJ, Marchylo BM// *Canadian Grain Commiss, Grain Res Lab, 1404-303 Main St, Winnipeg, Manitoba, Canada R3C 3G8

Cereal Chem 2002 79 (1) 155

Simplified dilute acetic acid based extraction procedure for fractionation and analysis of wheat flour protein by size exclusion HPLC and flow field-flow fractionation

Viant MR, Rosenblum ES, Tjeerdema RS// Univ Calif Davis, Dept Environm Toxicol, 1 Shields Ave, Davis, Ca 95616, USA

J Chromatogr B 2001 765 (1) 107

Optimized method for the determination of phosphoarginine in abalone tissue by high-performance liquid chromatography

4. Carbohydrates

Haberkorn M, Hinsmann P, Lendl B*// *Vienna Univ Technol, Inst Analyt Chem, Getreidemarkt 9-151, AU-1060 Vienna, Austria

Analyst 2002 127 (1) 109

A mid-IR flow-through sensor for direct monitoring of enzyme catalysed reactions: Case study - Measurement of carbohydrates in beer

Hansen KM, Thuesen AB, Soderberg JR*// *CP Kelco ApS, DK-4623 Lille Skensved. Denmark

J AOAC Int 2001 84 (6) 1851

Enzyme assay for identification of pectin and pectin derivatives, based on recombinant pectate lyase

Kyriakidis NB, Psoma E// Agr Univ Athens, Dept Food Sci & Technol, Iera Odos 75, GR-11855 Athens, Greece

J AOAC Int 2001 84 (6) 1947

Hydrocolloid interferences in the determination of pectin by the carbazole method

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

Analyst 2001 126 (12) 2149

Enzymatic reactions for the determination of sugars in food samples using the differential pH technique

Miller IJ// Carina Chem Labs Ltd, POB 30366, Lower Hutt, New Zealand Bot Mar 2001 44 (6) 583

The structure of the carrageenan extracted from the tetrasporophytic form of *Stenogramme interrupta* as determined by ¹³C NMR spectroscopy

Moio L, Gambuti A, Di Marzio L, Piombino P// Univ Naples Federico II, Fac Agr. Dipt Sci Alimenti, IT-80055 Portici, Italy

Am J Enol Viticult 2001 52 (3) 271

Differential pH meter determination of residual sugars in wine

Oliveira AF, Fatibello O, Nobrega JA// Univ Mogi das Cruzes, CCET, Avda Dr Candido X Almeida Souza, BR-08780-911 Mogi das Cruzes, SP, Brazil *Talanta* 2001 **55** (4) 677

Focused-microwave-assisted reaction in flow injection spectrophotometry: A new liquid-vapor separation chamber for determination of reducing sugars in wine

Spackman VMT, Cobb AH*// *Harper Adams Univ Coll, Sch Agric, Crop & Environm Res Ctr, Newport TF10 8NB, England

J Sci Food Agric 2002 82 (1) 80

An enzyme-based method for the rapid determination of sucrose, glucose and fructose in sugar beet roots and the effects of impact damage and postharvest storage in clamps

Terrab A, Vega-Perez JM, Diez MJ, Heredia FJ*// *Univ Sevilla, Fac Farm, Area Nutr & Bromatol, C-P Garcia Gonzalez s/n, ES-41012 Seville, Spain J Sci Food Agric 2002 82 (2) 179

Characterisation of northwest Moroccan honeys by gas chromatographic-mass spectrometric analysis of their sugar components

Tsuta M, Sugiyama J, Sagara Y// Natl Food Res Inst, 2-1-2 Kannondai, Tsukuba, Ibaraki 305 8642, Japan

J Agric Food Chem 2002 50 (1) 48

Near-infrared imaging spectroscopy based on sugar absorption band for melons

Young CS// Alltech Associates Inc, Deerfield, Il 60015, USA

Cereal Food World 2002 47 (1) 14

Evaporative light scattering detection methodology for carbohydrate analysis by HPLC

5. Lipids

Baeten V, Dardenne P, Aparicio R*// *CSIC, Inst Grasa, Avda Padre Garcia Tejero 4, ES-41012 Seville, Spain

J Agric Food Chem 2001 49 (11) 5098

Interpretation of Fourier transform Raman spectra of the unsaponifiable matter in a selection of edible oils

Brahim S, Narinesingh D, Guiseppi-Elie A// Univ West Indies, Fac Agr & Nat Sci, Dept Chem, St Augustine Campus, St Augustine, Trinidad & Tobago Anal Chim Acta 2001 **448** (1-2) 27

Amperometric determination of cholesterol in serum using a biosensor of cholesterol oxidase contained within a polypyrrole-hydrogel membrane

Buning-Pfaue H, Kehraus S// Univ Bonn, Inst Lebensmittelwissensch & Lebensmittelchem, Endenicher Allee 11-13, DE-53115 Bonn, Germany Eur J Lipid Sci Technol 2001 **103** (12) 793

Application of near infrared spectroscopy (NIRS) in the analysis of frying fats

Byrdwell WC, Neff WE// Florida Atlantic Univ, Dept Chem & Biochem, 777 Glades Rd, Boca Raton, Fl 33431, USA

Rapid Commun Mass Spectrom 2002 16 (4) 300

Dual parallel electrospray ionization and atmospheric pressure chemical ionization mass spectrometry (MS), MS/MS and MS/MS/MS for the analysis of triacylglycerols and triacylglycerol oxidation products

Careri M, Elviri L, Mangia A// Univ Parma, Dipt Chim Gen & Inorgan Chim Anal Chim Fis, Parco Area Sci 171A, IT-43100 Parma, Italy

J Chromatogr A 2001 935 (1-2) 249

Liquid chromatography-UV determination and liquid chromatography-atmospheric pressure chemical ionization mass spectrometric characterization of sitosterol and stigmasterol in soybean oil

Castelli F, Caruso S, Uccella N// Univ Catania, Dipt Sci Chim, Viale A Doria 6, IT-95125 Catania, Italy

J Agric Food Chem 2001 **49** (11) 5130

Biomimetic transport of simple olive biophenol and analogues through model biological membranes by differential scanning calorimetry

Crowe TD, White PJ*// *Iowa State Univ, Dept Food Sci & Human Nutr, 2312 Food Sci Bldg, Ames, Ia 50011, USA

J Am Oil Chem Soc 2001 78 (12) 1267

Adaption of the AOCS official method for measuring hydroperoxides from small-scale oil samples

Da Costa PA, Poppi RJ*// *Univ Estadual Campinas, Inst Quim, Caixa Postal 6154, BR-13083-790 Campinas, SP, Brazil

Anal Chim Acta 2001 446 (1-2) 39

Determination of triglycerides in human plasma using near-infrared spectroscopy and multivariate calibration methods

Dauwe C, Reinhold G, Okogeri O// Polymer Stand Serv Ltd, Mainz, Germany Am Lab 2001 33 (25) 22

Size exclusion chromatography in olive oil quality control

De Long JM, Prange RK, Hodges DM, Forney CF, Bishop MC, Quilliam M// Agr & Agri-Food Canada, Atlantic Food & Hort Res Ctr, 32 Mail St, Kentville, Nova Scotia, Canada B4N 1J5

J Agric Food Chem 2002 50 (2) 248

Using a modified ferrous oxidation-xylenol orange (FOX) assay for detection of lipid hydroperoxides in plant tissue

Del Castillo MLR, Herraiz M*, Molero MD, Herrera A// *CSIC, Inst Fermentacion Ind, Juan Cierva 3, ES-28006 Madrid, Spain

J Am Oil Chem Soc 2001 78 (12) 1261

Off-line coupling of high-performance liquid chromatography and ¹H nuclear magnetic resonance for the identification of filbertone in hazelnut oil

Diehl BWK// Spectral Serv GmbH, Vogelsanger Str 250, DE-50825 Cologne, Germany

Eur J Lipid Sci Technol 2001 103 (12) 830

High resolution NMR spectroscopy

Evers JM, Crawford RA// New Zealand Dairy Res Inst, Private Bag 11029, Palmerston North, New Zealand

Int Dairy J 2001 11 (11-12) 849

Direct determination of fat using ISO/CD 17189.2: An international collaborative study of spreadable fats and a meta-analysis

Gervasio APG, Borges EP, Zagatto EAG, Reis BF, Lapa RAS, Lima JLFC*//*Univ Sao Paulo, Ctr Energia Nucl Agr, Box 96, BR-13400-970 Piracicaba, SP, Brazil

J Agric Food Chem 2002 50 (1) 74

Potentiometric flow injection determination of glycerol in distilled spirits

Hadrich J, Jarvers J, Podestat U// Chem & Vet Untersuchungsamt Freiburg, Bissierstr 5, DE-79114 Freiburg, Germany

Dtsch Lebensm-Rundsch 2001 97 (11) 409

Detection of medroxyprogesterone acetate residues in fatty tissue using enzyme linked immunosorbent assay (ELISA) (German, English Abstract)

Hornero-Mendez D, Perez-Galvez A, Minguez-Mosquera MI*// *CSIC, Dept Biotecnol Alimentos, Inst Grasa, Avda Padre Garcia Tejero 4, ES-41012 Seville, Spain

J Am Oil Chem Soc 2001 78 (11) 1151

A rapid spectrophotometric method for the determination of peroxide value in food lipids with high carotenoid content

Iverson SJ, Lang SLC, Cooper MH// Dalhousie Univ, Dept Biol, Halifax, Nova Scotia, Canada B3H 4J1

Lipids 2001 36 (11) 1283

Comparison of the Bligh and Dyer and Folch methods for total lipid determination in a broad range of marine tissue

Kalo P, Kuuranne T// Univ Helsinki, Dept Appl Chem & Microbiol, POB 27, FI-00014 Helsinki, Finland

J Chromatogr A 2001 935 (1-2) 237

Analysis of free and esterified sterols in fats and oils by flash chromatography, gas chromatography and electrospray tandem mass spectrometry

Kurvinen JP, Mu H, Kallio H*, Xu X, Hoy CE// *Univ Turku, Dept Biochem & Food Chem, FI-20014 Turku, Finland

Lipids 2001 36 (12) 1377

Regioisomers of octanoic acid-containing structured triacylglycerols analyzed by tandem mass spectrometry using ammonia negative ion chemical ionization

Labrinea EP, Thomaidis NS, Georgiou CA*// *Agr Univ Athens, Chem Lab, 75 Iera Odos, GR-11855 Athens, Greece

Anal Chim Acta 2001 448 (1-2) 201

Direct olive oil anisidine value determination by flow injection

Lesage-Meessen L, Navarro D, Maunier S, Sigoillot JC, Lorquin J, Delattre M, Simon JL, Asther M, Labat M// Univ Provence Mediterranee, IFR Biotechnol Agro-Ind, Unite INRA Biotechnol Champignons Filamenteaux, ESIL CP 925, 163 Ave de Luminy, FR-13288 Marseille 09, France

Food Chem 2001 75 (4) 501

Simple phenolic content in olive oil residues as a function of extraction systems

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

Chromatographia 2001 **54** (11-12) 743

Comparison of two direct methods for the determination of fatty acids in human milk

Lu CY, Wu HL*, Chen SH, Kou HS, Wu SM// *Kaohsiung Med Univ, Grad Inst Pharmaceut Sci, Kaohsiung 807, Taiwan

J Agric Food Chem 2002 **50** (1) 71

Simple and sensitive analysis of long-chain free fatty acids in milk by fluorogenic derivatization and high-performance liquid chromatography

Marikkar JMN, Lai OM*, Ghazali HM, Man YBC// *Univ Putra Malaysia, Fac Food Sci & Biotechnol, Dept Biotechnol & Food Technol, MY-43400 Serdang, Selangor, DE, Malaysia

J Am Oil Chem Soc 2001 78 (11) 1113

Detection of lard and randomized lard as adulterants in refined-bleached-deodorized palm oil by differential scanning calorimetry

Mirghani MES, Man YBC*, Jinap S, Baharin BS, Bakar J// *Univ Putra Malaysia, Fac Food Sci & Biotechnol, Dept Food Technol, MY-434100 Serdang, Selangor, DE, Malaysia

J Am Oil Chem Soc 2001 78 (11) 1127

Multivariate calibration of Fourier transform infrared spectra for determining thiobarbituric acid-reactive substance content in palm oil

Mossoba MM, McDonald RE, Yurawecz MP, Kramer JKG// US/FDA, Ctr Food Safety & Appl Nutr, Off Sci Anal & Support, Mail Stop HFS 717, 200 C St SW, Washington, DC 20204, USA

Eur J Lipid Sci Technol 2001 103 (12) 826

Application of on-line capillary GC-FTIR spectroscopy to lipid analysis

Moyano MJ, Ayala F, Echavarri JF, Alba J, Negueruela AI, Heredia FJ*//*Univ Sevilla, Fac Farm, Area Nutr & Bromatol, C/ P Garcia-Gonzalez s/n, ES-41012 Seville, Spain

J Am Oil Chem Soc 2001 **78** (12) 1221

Simplified measurement of virgin olive oil color by application of the characteristic vector method

Nichols PD, Mooney BD, Elliott NG// CSIRO, Marine Res, GPO Box 1538, Hobart, Tas 7000, Australia

J Chromatogr A 2001 936 (1-2) 183

Unusually high levels on non-saponifiable lipids in the fishes escolar and rudderfish: Identification by gas and thin-layer chromatography

Pemberton RM, Hart JP*, Mottram TT// *Univ West England, Fac Appl Sci, Bristol BS16 1OY, England

Biosens Bioelectron 2001 16 (9-12) 715

An electrochemical immunosensor for milk progesterone using a continuous flow system

Plat J, Brzezinka H, Lutjohann D, Mensink RP, Von Bergmann K// Maastricht Univ, Dept Human Biol, POB 616, NL-6200 MD Maastricht, The Netherlands *J Lipid Res* 2001 **42** (12) 2030

Oxidized plant sterols in human serum and lipid infusions as measured by combined gas-liquid chromatography-mass spectrometry

Ram MK, Bertoncello P, Ding H, Paddeu S, Nicolini C*// *Univ Genoa, Dept Biophys M&O Sci & Technol, Corso Europa 30, IT-16132 Genoa, Italy *Biosens Bioelectron* 2001 **16** (9-12) 849

Cholesterol biosensors prepared by layer-by-layer technique

Reaney MJT, Liu YD, Taylor WG// Agr & Agri-Food Canada, 107 Sci Pl, Saskatoon, Saskatchewan, Canada S7N 0X2

J Am Oil Chem Soc 2001 78 (11) 1083

Gas chromatographic analysis of Diels-Alder adducts of geometrical and positional isomers of conjugated linoleic acid

Seppanen CM, Csallany AS*// *Univ Minnesota, Dept Food Sci & Nutr, 1334 Eckles Av, St Paul, Mn 55108, USA

J Am Oil Chem Soc 2001 78 (12) 1253

Simultaneous determination of lipophilic aldehydes by high-performance liquid chromatography in vegetable oil

Sion B, Grizard G*, Boucher D// *CHU Hotel Dieu, CECOS, Blvd Leon Malfreyt, FR-63003 Clermont Ferrand, France

J Chromatogr A 2001 935 (1-2) 259

Quantitative analysis of desmosterol, cholesterol and cholesterol sulfate in semen by high-performance liquid chromatography

Skoutas D, Haralabopoulos D, Avramiotis S, Sotiroudis TG*, Xenakis A//*Natl Hellenic Res Fdn, Inst Biol Res & Biotechnol, Ind Enzymol Unit, 48 Vassileos Constantinou Ave, GR-11635 Athens, Greece

J Am Oil Chem Soc 2001 78 (11) 1121

Virgin olive oil: Free radical production studied with spin-trapping electron paramagnetic resonance spectroscopy

Spigno G, Pagella C, De Faveri DM// Univ Cattolica Sacro Cuore, Ist Enol & Ingn Alimentare, via Emilia Parmense 84, IT-29100 Piacenza, Italy

Ital J Food Sci 2001 13 (3) 275 DSC characterisation of cocoa butter polymorphs

Tan CP, Man YBC*, Selamat J, Yusoff MSA// *Univ Putra, Fac Food Sci & Biotechnol, Dept Food Technol, MY-43400 Serdang, Selangor, DE, Malaysia J Am Oil Chem Soc 2001 78 (11) 1133

Application of Arrhenius kinetics to evaluate oxidative stability in vegetable oils by isothermal differential scanning calorimetry

Todt H, Burk W, Guthausen G, Guthausen A, Kamlowski A*, Schmalbein D//
*Bruker BioSpin GmbH, MicroSpin Div, DE-76287 Silberstreifen, Rheinstetten, Germany

Eur J Lipid Sci Technol 2001 103 (12) 835

Quality control with time-domain NMR

Zverev LV, Prudnikov SM, Vityuk BY, Dzhioev TE, Panyushkin VT// Pustovoit All Russia Res Inst Oil Bearing Crops, ul Filatova 17, RU-350038 Krasnodar, Russia

J Anal Chem-Engl Tr 2001 **56** (11) 1029

Determination of the main fatty acids in sunflower-seed oil by a nuclear magnetic relaxation technique

6. Vitamins & co-factors

Barua AB// Iowa State Univ, Dept Biochem Biophys & Mol Biol, Ames, Ia 50011, USA

J Chromatogr A 2001 936 (1-2) 71

Improved normal-phase and reversed-phase gradient high-performance liquid chromatography procedures for the analysis of retinoids and carotenoids in human serum, plant and animal tissues

Carlucci G, Mazzeo P, Del Governatore S, Di Giacomo G, Del Re G// Univ Aquila, Dept Chem Chem Engn & Mat, via Vetoio, IT-67010 Coppito, AQ, Italy

J Chromatogr A 2001 935 (1-2) 87

Liquid chromatographic method for the analysis of tocopherols in malt sprouts with supercritical fluid extraction

Delgado-Zamarreno MM, Bustamante-Rangel M, Sanchez-Perez A, Hernandez-Mendez J// Univ Salamanca, Dept Quim Anal Nutr & Bromatol, ES-37008 Salamanca, Spain

J Chromatogr A 2001 935 (1-2) 77

Analysis of vitamin E isomers in seeds and nuts with and without coupled hydrolysis by liquid chromatography and coulometric detection

Ernst H, Knoll M// Inst Chemo & Biosensor, Mendelstr 7, DE-48161 Munster, Germany

Anal Chim Acta 2001 449 (1-2) 129

Electrochemical characterisation of uric acid and ascorbic acid at a platinum electrode

Grace TA, Stenberg E// Univ Vermont, Dept Anim Sci, Burlington, Vt 05405, USA

Cereal Food World 2002 47 (1) 7

Using surface plasmon resonance to determine vitamin concentrations

Granado F, Olmedilla B, Gil-Martinez E, Blanco I// Clin Puerta Hierro, Unidad Vitaminas, Serv Nutr, ES-28035 Madrid, Spain

J Food Compos Anal 2001 14 (5) 479

A fast, reliable and low-cost saponification protocol for analysis of carotenoids in vegetables

Kelm MA, Flanagan VP, Pawlosky RJ*, Novotny JA, Clevidence BA, Britz SJ// *Beltsville Human Nutr Res Ctr, Food Composit Lab, Bldg 161, Room 102, 10300 Baltimore Ave, Beltsville, Md 20705, USA *Linids* 2001 **36** (11) 1277

Quantitative determination of 13 C-labeled and endogenous β -carotene, lutein, and vitamin A in human plasma

Kissmeyer AM, Sonne K// Leo Pharmaceut Prod, Dept Pharmacokinet & Metab, DK-2750 Ballerup, Denmark

J Chromatogr A 2001 935 (1-2) 93

Sensitive analysis of 1α ,25-dihydroxyvitamin D_3 in biological fluids by liquid chromatography-tandem mass spectrometry

Lee MT, Chen BH*// *Fu Jen Catholic Univ, Dept Nutr & Food Sci, Taipei 242, Taiwan

Chromatographia 2001 54 (9-10) 613

Separation of lycopene and its cis isomers by liquid chromatography

Morosanova EI, Reznikova EA, Velikorodnyi AA// Moscow MV Lomonosov State Univ, Dept Chem, Vorobevy gory, RU-119899 Moscow, Russia *J Anal Chem-Engl Tr* 2001 **56** (2) 173

Modified xerogel-based indicator powders for determining ascorbic acid and hydrazines by solid-phase spectrophotometry and visual tests

Nelson BC, Dalluge JJ, Margolis SA// NIST, Div Analyt Chem, Adv Chem Sci Lab, 100 Bureau Dr, Stop 8392, Gaithersburg, Md 20899, USA *J Chromatogr B* 2001 **765** (2) 141

Preliminary application of liquid chromatography-electrospray-ionization mass spectrometry to the detection of 5-methyltetrahydrofolic acid monoglutamate in human plasma

Nunez-Vergara LJ, Squella JA, Sturm JC, Baez H, Camargo C// Univ Chile, Fac Chem & Pharmaceut Sci, Lab Bioelectrochem, POB 233, Santiago, Chile J Pharmaceut Biomed Anal 2001 **26** (5-6) 929

Simultaneous determination of melatonin and pyridoxine in tablets by gas chromatography-mass spectrometry

O'Broin S, Kelleher B// St James' Hosp, Dept Haematol, Dublin 8, Rep Ireland

Clin Chem 2001 47 (12) 2181

Optimization of erythrocyte folate extraction (Letter)

Pawlosky RJ, Flanagan VP, Pfeiffer CM// Food Composit Lab, Bldg 161, Room 104, 10300 Baltimore Ave, Beltsville, Md 20705, USA *Anal Biochem* 2001 **298** (2) 299

Determination of 5-methyltetrahydrofolic acid in human serum by stable-isotope dilution high-performance liquid chromatography-mass spectrometry

Pyka A, Sliwoik J*// *Silesian Univ, Inst Chem, 9 Szkolna St, PL-40006 Katowice, Poland

J Chromatogr A 2001 935 (1-2) 71

Chromatographic separation of tocopherols

Raoof JB, Ojani R, Kiani A// Mazandaran Univ, Fac Basic Sci, Dept Chem, Electroanalyt Chem Res Lab, Babol Sar, Iran

J Electroanal Chem 2001 515 (1-2) 45

Carbon paste electrode spiked with ferrocene carboxylic acid and its application to the electrocatalytic determination of ascorbic acid

Ruperez FJ, Martin D, Herrera E, Barbas C*// *Univ S Pablo Ceu, Fac CC Expt & Tecn, Urbanizacion Monteprincipe, Ctra Boadilla del Monte 5.3, ES-28668 Madrid, Spain

J Chromatogr A 2001 935 (1-2) 45

Chromatographic analysis of α -tocopherol and related compounds in various matrices

Song ZH, Zhou X// NW Univ Xian, Dept Chem, CN-710069 Xian, Peoples Rep China

Spectrochim Acta A Mol Biomol Spectrosc 2001 57 (13) 2567

Chemiluminescence flow sensor for folic acid with immobilized reagents

Wei M, Li M, Li N*, Gu Z, Zhou X// *Peking Univ, Dept Chem, CN-100871 Beijing, Peoples Rep China

Electroanalysis 2002 14 (2) 135

Electrocatalytic oxidation of ascorbic acid at a reduced C_{60} -[dimethyl-(β -cyclodextrin)], and Nafion chemically modified electrode

Yebra MC, Cespon RM, Moreno-Cid A// Univ Santiago de Compostela, Fac Chem, Dept Analyt Chem Nutr & Bromatol, ES-15782 Santiago de Compostela, Spain

Anal Chim Acta 2001 448 (1-2) 157

Automatic determination of ascorbic acid by flame atomic absorption spectrometry

Zenkevich IG, Kosman VM, Makarov VG, Dadali YV// Close Corp, Adaptogen Inter Reg Ctr, St Petersburg, Russia

Russ J Appl Chem-Eng Tr 2001 74 (6) 1034

Quantitative refractometric-spectrophotometric analysis of oil solutions of vitamins A and E

7. Trace elements & minerals

Beattie JH, Reid MD, Harvey LJ, Dainty JR, Majsak Newman G, Fairweather Tait SJ// Rowett Res Inst, Greenburn Rd, Aberdeen AB21 9SB, Scotland *Analyst* 2001 **126** (12) 2225

Selective extraction of blood plasma exchangeable copper for isotope studies of dictary copper absorption

Blanusa M, Kucak A, Varnai VM, Saric MM// Inst Med Res & Occupat Hlth, POB 291, HR-10001 Zagreb, Croatia

J AOAC Int 2001 84 (6) 1964

Uptake of cadmium, copper, iron, manganese, and zinc in mushrooms (Boletaceae) from Croatian forest soil

Buoso MC, Ceccato D, Moschini G, Bernardini D, Testoni S, Torboli A, Valdes M// Ist Nazl Fis Nucl, Lab Nazionali Legnaro, via Romea 4, IT-35020 Legnaro, PD, Italy

Spectrochim Acta Pt B-Atom Spect 2001 56 (11 Spec Iss) 2181

Assessment of serum selenium levels in 2-month-old sucking calves using total reflection X-ray fluorescence technique

Burguera M, Burguera JL, Rondon C, Carrero P// Univ Los Andes, Fac Sci, IVAIOUIM, POB 542. Merida 5101A, Venezuela

Spectrochim Acta Pt B Atom Spect 2001 56 (10) 1845

Determination of boron in blood, urine and bone by electrothermal atomic absorption spectrometry using zirconium and citric acid as modifiers

Carvalho ML, Marques AF// Univ Lisbon, Ctr Fis Atom, Avda Prof Gama Pinto 2, PT-1649-003 Lisbon, Portugal

X-Ray Spectrom 2001 30 (6) 397

X-ray fluorescence spectrometry: Applications in trace elements studies in human tissues from patients with cirrhosis

Chiou CS, Jiang SJ*, Danadurai KSK// *Natl Sun Yat Sen Univ, Dept Chem, Kaohsiung 80424, Taiwan

Spectrochim Acta Pt B Atom Spect 2001 **56** (7) 1133

Determination of mercury compounds in fish by microwave-assisted extractions and liquid chromatography-vapor generation-inductively coupled plasma mass spectrometry

Darwish IA, Blake DA*// *Tulane Univ, Hlth Sci Ctr, Dept Ophthalmol, 1430 Tulane Ave, New Orleans, La 70112, USA

Anal Chem 2002 74 (1) 52

Development and validation of a one-step immunoassay for determination of cadmium in human serum

De Pena YP, Vielma O, Burguera JL, Burguera M, Rondon C, Carrero P// Univ Los Andes, Fac Ciencias, IVALQUIM-Venezuelan Andean Inst Chem Res, Merida 5101A, Venezuela Talanta 2001 55 (4) 743

On-line determination of antimony(III) and antimony(V) in liver tissue and whole blood by flow injection-hydride generation-atomic absorption spectrometry

Dos Santos EJ, De Oliveira E// Inst Tecnol Parana, CP 357, BR-81310-020 Curitiba, Parana, Brazil

Braz Arch Biol Technol 2001 44 (3) 233

Evaluation of arsenic and selenium in Brazilian soluble coffee by inductively coupled plasma atomic emission spectrometry with hydride generation

Dos Santos EJ, De Oliveira E// Address as above.

J Food Compos Anal 2001 14 (5) 523

Determination of mineral nutrients and toxic elements in Brazilian soluble coffee by ICP-AES

Fernandes KG, De Moraes M, Neto JAG*, Nobrega JA, Oliveira PV// *Univ Estadual Paulista, Dept Quim Analit, POB 355, BR-14801-970 Araraquara, SP, Brazil

Analyst 2002 127 (1) 157

Evaluation and application of bismuth as an internal standard for the determination of lead in wines by simultaneous electrothermal atomic absorption spectrometry

Flores EMD, Da Costa AB, Barin JS, Dressler VL, Paniz JNG, Martins AF// Univ Fed Santa Maria, Dept Quim, BR-97105-900 Santa Maria, RS, Brazil Spectrochim Acta Pt B Atom Spect 2001 **56** (10) 1875

Direct flame solid sampling for atomic absorption spectrometry: Determination of copper in boyine liver

Fogle A, Daly B, Evans M, Justiniano ELB, Kovacs CJ, Shinpaugh JL, Toburen LH*// *East Carolina Univ, Dept Phys, Greenville, NC 27858, USA *Biol Tr Elem Res* 2001 **83** (2) 181

Determination of plasma trace elements in tumor-bearing animals by proton-induced X-ray emission spectroscopy

Forte G, D'Ilio S, Caroli S*// *Ist Super Sanita, Viale Regina 299, IT-00161 Rome, Italy

J AOAC Int 2001 84 (6) 1972

Honey as a candidate reference material for trace elements

Fredrikson M, Carlsson NG*, Almgren A, Sandberg AS// *Chalmers Univ Technol, Dept Food Sci, POB 5401, SE-40229 Gothenburg, Sweden *J Agric Food Chem* 2002 **50** (1) 59

Simultaneous and sensitive analysis of Cu, Ni, Zn, Co, Mn, and Fe in food and biological samples by ion chromatography

Garcia-Rico L, Ruiz RER, Jimenez JV// Ctr Invest Alimentac & Desarrollo, Dept Food Sci, AC POB 1735, MX-83000 Hermosillo, Sonora, Mexico *J AOAC Int* 2001 **84** (6) 1909

Determination of total metals in cultivated oysters (Crassostrea gigas) from the northwest coast of Mexico by microwave digestion and atomic absorption spectrometry

Gawalko EJ, Garrett RG, Nowicki TW// Canadian Grain Commiss, Grain Res Lab, 1404-303 Main St, Winnipeg, Manitoba, Canada R3C 3G8 J. AOAC Int 2001 84 (6) 1953

Trace elements in western Canadian hard red spring wheat (*Triticum aestivum* L.): Levels and quality assurance

Gonzalez MM, Gallego M, Valcarcel M*, Gomez-Cardenas G// *Univ Cordoba, Div Analyt Chem, Campus Rabanales, ES-14071 Cordoba, Spain J AOAC Int 2001 84 (6) 1914

Slurry atomization of wheat-milled fractions for electrothermal atomic absorption spectrometric determination of nickel and chromiun

Grinberg P, De Campos RC*// *Pontificia Univ Catolica, Dept Chem, Rua Moarques de Sao Vicente 225, BR-22453-900 Rio de Janeiro, Brazil Spectrochim Acta Pt B Atom Spect 2001 **56** (10) 1831

Iridium as permanent modifier in the determination of lead in whole blood and urine by electrothermal atomic absorption spectrometry

Jorhem L// Natl Food Adm Toxicol Lab Res & Dev, Box 622, SE-75126 Uppsala, Sweden

J AOAC Int 2001 **84** (6) 1951

Trace element analysis and occurrence in foodstuffs

Jorhem L, Sundstrom B, Engman JN// Natl Food Adm Toxicol Lab Res & Dev, Box 622, SE-75126 Uppsala, Sweden

J AOAC Int 2001 84 (6) 1984

Cadmium and other metals in Swedish wheat and rye flours: Longitudinal study, 1983-1997

Julshamn K, Dahl L, Eckhoff K// Directorate Nutr, Inst Nutr, POB 185, Sentrum, NO-5804 Bergen, Norway

J AOAC Int 2001 84 (6) 1976

Determination of iodine in seafood by inductively coupled plasma/mass spectrometry

Kawai J, Takagawa K, Fujisawa S, Ektessabi A, Hayakawa S// Kyoto Univ, Grad Sch Engn, Sakyo ku, Kyoto 606 8501, Japan

J Trace Microprobe Tech 2001 19 (4) 541

Microbeam XANES and X-ray fluorescence analysis of cadmium in kidney

Kosse JS, Yeung AC, Gil AI, Miller DD*// *Cornell Univ, Dept Food Sci, Stocking Hall, Ithaca, NY 14853, USA

Food Chem 2001 75 (3) 371

A rapid method for iron determination in fortified foods

Kresimon J, Gruter UM, Hirner AV*// *Univ Essen Gesamthsch, Inst Environm Analyt Chem, DE-45117 Essen, Germany

Fresenius J Anal Chem 2001 371 (5) 586

HG/LT-GC/ICP-MS coupling for identification of metal(loid) species in human urine after fish consumption

Lara RF, Wuilloud RG, Salonia JA, Olsina RA, Martinez LD*// *Univ San Luis, Fac Chem Biochem & Pharm, Dept Analyt Chem, POB 375, AR-5700 San Luis, Argentina

Fresenius J Anal Chem 2001 371 (7) 989

Determination of low cadmium concentrations in wine by on-line preconcentration in a knotted reactor coupled to an inductively coupled plasma optical emission spectrometer with ultrasonic nebulization

Larsen EH, Hansen M, Fan T, Vahl M// Danish Vet & Food Adm, Inst Food Res & Nutr, 19 Morkhok Bygade, DK-2860 Soborg, Denmark

J Anal Atom Spectrom 2001 16 (12) 1403

Speciation of selenoamino acids, selenonium ions and inorganic selenium by ion exchange HPLC with mass spectrometric detection and its application to yeast and algae

Maher W, Forster S, Krikowa F, Snitch, Chapple G, Craig// Univ Canberra, Ecochem Lab, Bruce, ACT 2601, Australia

Atom Spectrosc 2001 22 (5) 361

Measurement of trace elements and phosphorus in marine animal and plant tissues by low-volume microwave digestion and ICP-MS

Marco LM, Jimenez E, Hernandez EA, Rojas A, Greaves ED// Univ Cent Occidental Lisandro Alvarado, Unidad Anal Instrumental, Cabudare, Venezuela Spectrochim Acta Pt B-Atom Spect 2001 **56** (11 Spec Iss) 2195

Determination of Zn/Cu ratio and oligoelements in serum samples by total reflection X-ray fluorescence spectrometry for cancer diagnosis

Moreno P, Quijano MA, Gutierrez AM*, Perez-Conde MC, Camara C// *Univ Complutense, Fac Quim CC, Dept Quim Analit, Ciudad Univ s/n, ES-28040 Madrid, Spain

J Anal Atom Spectrom 2001 16 (9) 1044

Fractionation studies of selenium compounds from oysters, and their determination by high-performance liquid chromatography coupled to inductively coupled plasma mass spectrometry

Pena RM, Garcia S, Iglesias R, Barro S, Herrero C*// *Univ Santiago de Compostela, Fac Ciencias, Dept Quim Analit Nutr & Bromatol, Augas Ferreas s/n, ES-27002 Lugo, Spain

Analyst 2001 126 (12) 2186

Authentication of Galician (NW Spain) quality brand potatoes using metal analysis: Classical pattern recognition techniques *versus* a new vector quantization-based classification procedure

Perring L, Andrey D// Nestle Res Ctr, Minerals Lab, Dept Qual & Safety Assurance, POB 44, Vers-Chez-les-Blanc, CH-1000 Lausanne 26, Switzerland *Atom Spectrosc* 2001 **22** (5) 371

Optimization and validation of total mercury determination in food products by cold vapor AAS: Comparison of digestion methods and with ICP-MS analysis

Quinteros A, Farre R*, Lagarda MJ// *Univ Valencia, Fac Farmacia Nutricion & Bromatol, Avda Vicente Andres Estelles s/n, ES-46100 Burjassot, Valencia, Spain

Food Chem 2001 75 (3) 365

Optimization of iron speciation (soluble, ferrous and ferric) in beans, chickpeas and lentils

Rahil-Khazen R, Bolann BJ, Ulvik RJ*// *Haukeland Univ Hosp, Inst Clin Biochem, NO-5021 Bergen, Norway

Biometals 2001 15 (1) 87

Correlations of trace element levels within and between different normal autopsy tissues analyzed by inductively coupled plasma atomic emission spectrometry (ICP-AES)

Rudolfova J, Curda L, Koplik R// Prague Inst Chem Technol, Dept Dairy & Fac Technol, Techn 5, CZ-16628 Prague 6, Czech Republic

Chem Listy 2001 95 (10) 642

Optimization of photometric method for iodine determination in foods (Czech, English Abstract)

Silva FV, Lopes GS, Nobrega JA, Souza GB, Nogueira ARA*// *Embrapa Pecuaria Sudeste, POB 339, BR-13560-970 Sao Carlos, SP, Brazil

Spectrochim Acta Pt B Atom Spect 2001 56 (10) 1909

Study of the protein-bound fraction of calcium, iron, magnesium and zinc in bovine milk

Sladkov V, Bolyos A, David F*// *Inst Nucl Phys, CNRS/IN2P3, FR-91406

Orsay, France

Electroanalysis 2002 14 (2) 128

Modified square-wave cathodic stripping voltammetry for determination of Se (IV) at trace and ultratrace levels

Themelis DG, Tzanavaras PD, Trellopoulos AV, Sofoniou MC// Aristotelian Univ Thessaloniki, Dept Chem, Analyt Chem Lab, GR-54006 Thessaloniki, Greece

J Agric Food Chem 2001 49 (11) 5152

Direct and selective flow-injection method for the simultaneous spectrophotometric determination of calcium and magnesium in red and white wines using online dilution based on "zone sampling"

Vinas, Pardo-Martinez M, Lopez-Garcia I, Hernandez-Cordoba M*// *Univ Murcia, Fac Chem, Dept Analyt Chem, ES-30071 Murcia, Spain

J Anal Atom Spectrom 2001 16 (10) 1202

Slurry atomisation for the determination of arsenic, cadmium and lead in food colourants using electrothermal atomic absorption spectrometry

Waheed S, Zaidi JH*, Ahmad S, Saleem M// *Pakistan Inst Nucl Sci & Technol, PO Nilore, Islamabad, Pakistan

Int J Environ Anal Chem 2001 81 (3) 221

Neutron activation analysis of trace elements in mixed human diet of Kashmir region for nutritional adequacy and safety evaluation

8. Drug, biocide & processing residues

Antignac JP, Le Bezic B, Manteau F, Andre F// Ecole Nat Vet Nantes, Lab Etude Residus & Contaminants Aliments - LABERCA, BP 50707, FR-44307 Nantes 3, France

J Mass Spectrom 2002 37 (1) 69

Differentiation of betamethasone and dexamethasone using liquid chromatography/positive electrospray tandem mass spectrometry and multivariate statistical analysis

Bester K, Bordin G, Rodriguez A, Schimmel H, Pauwels J, Van Vyncht G// Inst Environm Res, Otto Hahn Str 6, DE-44221 Dortmund, Germany Fresenius J Anal Chem 2001 371 (4) 550

How to overcome matrix effects in the determination of pesticides in fruit by HPLC-ESI-MS-MS

Bitsch N, Korner W, Postupka S, Brunn H// Staatliches Med Lebensmittel & Vet Untersuchungsamt Mittelhessen, Marburger Str 54, DE-35396 Giessen, Germany

J Anim Physiol Anim Nutr 2001 85 (11-12) 369

Application of the E-screen assay to test for oestrogenically active substances in swine feed

Blahova E, Bovanova L, Brandsteterova E*// *Slovak Tech Univ, Dept Analyt Chem, Radlinskeho 9, SK-81237 Bratislava, Slovakia

J Liq Chromatogr Relat Technol 2001 24 (19) 3027

Direct HPLC analysis of trimethoprim in milk

Calaf RE, Pena J, Paytubi S, Carrascal M, Posada M, Gelpi E*// *IIBB-CSIC, IDIBAPS, Dept Med Bioanal, Struct & Biol Mass Spectrometry Unit, Rosellon 161, ES-08036 Barcelona, Spain

J Agric Food Chem 2001 **49** (11) 5085

Automated strong cation exchange extraction of fatty acid esters of 3-(*N*-phenylamino)-1,2-propanediol from oil samples for routine quantification by HPLC-APC/MS/MS

Cao CF, Wang Z, Urruty L, Pommier JJ, Montury M*// *Univ Bordeaux 1, Equipe Perigourdine Chim Appl, Lab Physico & Toxico Chim Syst Nat, UMR 5472, FR-24001 Perigueux. France

J Agric Food Chem 2001 49 (11) 5092

Focused microwave assistance for extracting some pesticide residues from strawberries into water before their determination by SPME/HPLC/DAD

Capitan-Vallvey LF, Titos A, Checa R, Navas N// Univ Granada, Fac Sci, Dept Analyt Chem, Avda Fuentenueva s/n, ES-18071 Granada, Spain *J Chromatogr A* 2002 **943** (2) 227

High-performance liquid chromatography determination of Zn-bacitracin in animal feed by post-column derivatization and fluorescence detection

Castro R, Moyano E, Galceran MT*// *Univ Barcelona, Dept Quim Analit, Marti Franques 1-11, ES-08028 Barcelona, Spain

J AOAC Int 2001 84 (6) 1903

Determination of chlormequat in fruit samples by liquid chromatography-electrospray-mass spectrometry/mass spectrometry

Diem S, Gutsche B, Herderich M*// *Australian Wine Res Inst, Waite Rd, Glen Osmond, SA 5064, Australia

J Agric Food Chem 2001 49 (12) 5993

Degradation of tetrahydro- β -carbolines in the presence of nitrite: HPLC-MS analysis of the reaction products

Edder P, Coppex L, Cominoli A, Corvi C// Serv Protect Consommat, CP 166, CH-1211 Geneva 4, Switzerland

Food Addit Contam 2002 19 (3) 232

Analysis of erythromycin and oleandomycin residues in food by high-performance liquid chromatography with fluorometric detection

Eljarrat E, Saulo J, Monjonell A, Caixach J, Rivera J// CSIC, IIQAB, Dept Ecotechnol, Mass Spectrometry Lab, Jordi Girona 18-26, ES-08034 Barcelona, Spain

Fresenius J Anal Chem 2001 371 (7) 983

Evaluation of an automated clean-up system for the isotope-dilution high-resolution mass spectrometric analysis of PCB, PCDD, and PCDF in food

Fuh MRS, Chan SA// Soochow Univ, Dept Chem, POB 86-72, Taipei, Taiwan Talanta 2001 55 (6) 1127

Quantitative determination of sulfonamide in meat by liquid chromatographyelectrospray-mass spectrometry

Furusawa N, Kishida K// Osaka City Univ, Fac Human Sci, Osaka 588 8585, Japan

Fresenius J Anal Chem 2001 371 (7) 1031

High-performance liquid chromatographic procedure for routine residue monitoring of seven sulfonamides in milk

Gunther K, Durbeck HW, Kleist E, Thiele B, Prast H, Schwuger M// KFA Julich GmbH, Forschungszentrum, Inst Angewandte Phys Chem, Postfach 1913, DE-52425 Julich, Germany

Fresenius J Anal Chem 2001 371 (6) 782

Endocrine-disrupting nonylphenols: Ultra-trace analysis and time-dependent trend in mussels from the German bight

Hernandez-Arteseros JA, Beltran JL, Compano R, Prat MD*// *Univ Barcelona, Dept Quim Analit, Diagonal 647, ES-08028 Barcelona, Spain

J Chromatogr A 2002 **942** (1-2) 275

Fast-scanning fluorescence spectroscopy as a detection system in liquid chromatography for confirmatory analysis of flumequine and oxolinic acid

Holstege DM, Puschner B, Whitehead G, Galey FD// Univ Calif Davis, Calif Anim Hlth & Food Safety Lab Syst, Toxicol Lab, Davis, Ca 95616, USA *J Agric Food Chem* 2002 **50** (2) 406

Screening and mass spectral confirmation of $\beta\text{-lactam}$ antibiotic residues in milk using LC-MS/MS

Horie M, Yoshida T, Kikuchi Y, Nakazawa H// Saitama Prefectural Inst Publ Hlth, 639-1 Kamiokubo, Saitama 338 0824, Japan

J Food Hyg Soc Jpn 2001 42 (6) 374

Determination of streptomycin and dihydrostreptomycin in meat by liquid chromatography/mass spectrometry (Japanese, English Abstract)

Janoszka B, Blaszczyk U, Warzecha L*, Strozyk M, Damasiewicz-Bodzek A, Bodzek D// *Med Univ Silesia, Dept Chem, Jordana 19, PL-41808 Zabrze, Poland

J Chromatogr A 2001 938 (1-2) 155

Clean-up procedures for the analysis of heterocyclic aromatic amines (aminoazaarenes) from heat-treated meat samples

Kim-Kang H, Crouch LS, Bova A, Robinson RA, Wu J// XenoBiotic Labs Inc, 107 Morgan Lane, Plainsboro, NJ 08536, USA

J Agric Food Chem 2001 49 (11) 5294

Determination of emamectin residues in the tissues of Atlantic salmon (Salmo salar L.) using HPLC with fluorescence detection

Kishida K, Furusawa N*// *Osaka City Univ, Grad Sch Human Life Sci, Sumiyoshi ku, Osaka 558 8585, Japan

J Chromatogr A 2001 937 (1-2) 49

Matrix solid-phase dispersion extraction and high-performance liquid chromatographic determination of residual sulfonamides in chicken

Kobayashi H// Japan Plant Protect Assoc, Res Inst, 535 Kessoku cho, Ushiku, Ibaraki 300 1212, Japan

J Food Hyg Soc Jpn 2001 42 (6) J331

The approach to pesticide performance in analytical procedure (Japanese, English Abstract)

Korta E, Bakkali A, Berrueta LA, Gallo B, Vicente F// Univ Pais Vasco, Fac Ciencias, Dept Quin Analit, POB 644, ES-48080 Bilbao, Spain

J Food Prot 2002 65 (1) 161

Study of an accelerated solvent extraction procedure for the determination of acaricide residues in honey by high-performance liquid chromatography-diode array detector

Llompart M, Pazos M, Landin P, Cela R// Univ Santiago de Compostela, Fac Quim, Dept Quim Analit Nutr & Bromatol, ES-15706 Santiago de Compostela, Spain

Anal Chem 2001 73 (24) 5858

Determination of polychlorinated biphenyls in milk samples by saponification: Solid-phase microextraction

Lopez-Leiton TJL, Pineiro MEA, Yusty MAL*, Davina JLC// *Fac Farm, Area Nutr & Bromatol, ES-15706 Santiago de Compostela, Spain J AOAC Int 2001 84 (6) 1799

Levels of seven PCBs used as markers of dioxin in commercial pork meat in Spain

Lopez-Lopez T, Gil-Garcia MD, Martinez-Vidal JL*, Martinez-Galera M// *Univ Almeria, Dept Hydrol & Analyt Chem, La Canada de San Urbano, ES-04071 Almeria, Spain

Anal Chim Acta 2001 447 (1-2) 101

Determination of pyrethroids in vegetables by HPLC using continuous on-line post-elution photoirradiation with fluorescence detection

Luque-Perez E, Rios A, Valcarcel M*// *Univ Cordoba, Fac Sci, Dept Analyt Chem, ES-14004 Cordoba, Spain

Fresenius J Anal Chem 2001 371 (6) 891

Automated flow-injection spectrophotometric determination of nitrosamines in solid food samples

Matabudul DK, Conway B, Lumley I, Sumar S*// *Univ Westminster, Sch Integrated Hlth, Ctr Food Nutr & Publ Hlth, 115 New Cavendish St, London W1M 8JS, England

Food Chem 2001 75 (3) 345

The simultaneous determination of the ionophore antibiotics in animal tissues and eggs by tandem electrospray LC-MS-MS

Matabudul DK, Crosby NT, Lumley I, Sumara S// Address as above. Food Chem 2001 **75** (4) 465

The optimisation of a rapid method for the determination of lasalocid in poultry feed using supercritical fluid extraction and high performance liquid chromatography

Nakamura Y, Ishimitsu S, Tsumura Y, Yoshii K, Kaihara A, Tonogai Y// Natl Inst Hlth Sci, Osaka Branch, Chuo ku, 1-1-43 Hoenzaka, Osaka 540 0006, Janan

J Food Hyg Soc Jpn 2001 42 (6) 398

Clean-up procedure with ion-exchange mini column in the analysis of flusulfamide in agricultural products by HPLC (Japanese, English Abstract)

Nemoto S, Omura M, Takatsuki S, Sasaki K, Toyoda M// Natl Inst Hlth Sci, Setagaya ku, 1-18-1 Kamiyoga, Tokyo 158 8501, Japan

J Food Hyg Soc Jpn 2001 42 (6) 359

Determination of 2,4,6-tri-tert-butylphenol and related compounds in foods (Japanese, English Abstract)

Otero RR, Ruiz CY, Grande BC, Gandara JS*// *Univ Vigo, Fac Sci & Technol, Analyt & Food Chem Dept, Nutr & Bromatol Grp, Ourense Campus, ES-32004 Orense, Spain

J Chromatogr A 2002 942 (1-2) 41

Solid-phase microextraction-gas chromatographic-mass spectrometric method for the determination of the fungicides cyprodinil and fludioxonil in white wines

Papilloud S, Baudraz D// SICPA Printing Inks, Corp Analyt & Sensory Res Unit, CH-1000 Lausanne 16, Switzerland

Food Addit Contam 2002 19 (2) 168

Analysis of food packaging UV inks for chemicals with potential to migrate into food simulants

Pouliquen H, Morvan ML// Ecole Natl Vet Nantes, Unite Mixte Rech INRA-ENVN Chimiotherapie Aquacole & Environm, FR-44307 Nantes 03, France Food Addit Contam 2002 19 (3) 223

Determination of residues of oxolinic acid and flumequine in freeze-dried salmon muscle and skin by HPLC with fluorescence detection

Pous X, Ruiz MJ, Pico Y*, Font G// *Univ Valencia, Fac Farm, Lab Bromatol & Toxicol, Avda Vicent Andres Estelles s/n, ES-46100 Valencia, Spain Fresenius J Anal Chem 2001 **371** (2) 182

Determination of imidacloprid, metalaxyl, myclobutanil, propham, and thiabendazole in fruits and vegetables by liquid chromatography-atmospheric pressure chemical ionization-mass spectrometry

Prabhu S, Lee MJ, Hu WY, Winnik B, Yang I, Buckley B, Hong JY*// *Univ Med & Dent New Jersey, Sch Publ Hlth, Environm & Occupat Hlth Sci Inst, Piscataway, NJ 08854, USA

Anal Biochem 2001 298 (2) 306

Determination of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) and its metabolite 2-hydroxyamino-PhIP by liquid chromatography/electrospray ionization-ion trap mass spectrometry

Puente NW, Josephy PD*// *Univ Guelph, Dept Chem & Biochem, Guelph Waterloo Ctr Grad Work Chem, Guelph, Ontario, Canada N1G 2W1

J. Anal Toxicol 2001 25 (8) 711

Analysis of the lidocaine metabolite 2, 6-dimethylaniline in bovine and human

Rodriguez R, Boyer I, Font G, Pico Y*// *Univ Valencia, Fac Farm, Lab Bromatol & Toxicol, Avda Vicent Andres Estelles s/n, ES-46100 Valencia, Spain

Analyst 2001 126 (12) 2134

Capillary zone electrophoresis for the determination of thiabendazole, prochloraz and procymidone in grapes

Rufian-Henares JA, Garcia-Villanova B, Guerra-Hernandez E*// *Univ Granada, Fac Farm, Dept Nutr & Bromatol, Campus Univ Cartuja, ES-18012 Granada, Spain

J Liq Chromatogr Relat Technol 2001 24 (19) 3049

Determination of furfural compounds in enteral formula

Sanchez-Rodas D, Geiszinger A, Gomez-Ariza JL, Francesconi KA// Univ Huelva, Escuela Politecn Super, Dept Quim & Ciencia Mat, ES-21819 Palos de la Frontera, Huelva, Spain

Analyst 2002 127 (1) 60

Determination of an arsenosugar in oyster extracts by liquid chromatographyelectrospray mass spectrometry and liquid chromatography-ultraviolet photooxidation-hydride generation atomic fluorescence spectrometry

Sokolova LI, Chernyaev AP// Far Eastern State Univ, ul Oktyabrskaya 27, RU-690600 Vladivostok, Russia

J Anal Chem-Engl Tr 2001 56 (11) 1032

Determination of benzylpenicillin, levomycetin (chloramphenicol), and tetracycline in food products by high-performance liquid chromatography

Tyler CR, Van Aerle R, Nilsen MV, Blackwell R, Maddix S, Nilsen BM, Berg K, Hutchinson TH, Goksoyr A// Univ Exeter, Sch Biol Sci, Hatherly Labs, Prince of Wales Rd, Exeter EX4 4PS, England

Environ Toxicol Chem 2002 21 (1) 47

Monoclonal antibody enzyme-linked immunosorbent assay to quantify vitellogenin for studies on environmental estrogens in the rainbow trout (Oncorhynchus mykiss)

Ueno E, Oshima H, Saito I, Matsumoto H// Aichi Prefectural Inst Publ Hlth, Kita ku, 7-6 Nagare, Nagoya, Aichi 462 8576, Japan

J Food Hyg Soc Jpn 2001 42 (6) 385

Multiresidue analysis of organophosphorus pesticides in vegetables and fruits using dual-column GC-FPD, -NPD (Japanese, English Abstract)

Venkatesan MI, Northrup T, Phillips CR// UCLA, Inst Geophys & Planetary Phys, Los Angeles, Ca 90095, USA

J Chromatogr A 2002 942 (1-2) 223

Determination of linear alkylbenzenes in fish tissue by gel permeation chromatography and gas chromatography-mass spectrometry

Von Holst C, Muller A// Commiss European Communities, Joint Res Ctr, Inst Hlth & Consumer Protect, Food Prod Unit, IT-21020 Ispra, VA, Italy Fresenius J Anal Chem 2001 371 (7) 994

Intercomparison study for the determination of selected polychlorinated biphenyls (PCBs) in feed matrices

Zhang M, Moore GA, Lever M, Gardiner SJ, Kirkpatrick CMJ, Begg EJ// Christchurch Hosp, Dept Clin Pharmacol, Private Bag 4710, Christchurch, New Zealand

J Chromatogr B 2002 **766** (1) 175

Rapid and simple high-performance liquid chromatographic assay for the determination of metformin in human plasma and breast milk

Zrostikova J, Hajslova J*, Godula M, Mastovska K// *Inst Chem Technol, Technicka 3, CZ-16628 Prague 6, Czech Republic

J Chromatogr A 2001 937 (1-2) 73

Performance of programmed temperature vaporizer, pulsed splitless and oncolumn injection techniques in analysis of pesticide residues in plant matrices

9. Toxins

Brillantes S, Samosorn W// Dept Fisheries, Fish Inspect & Qual Control Div, TH-10900 Bangkok, Thailand

Fisheries Sci 2001 **67** (6) 1163

Determination of histamine in fish sauce from Thailand using a solid phase extraction and high-performance liquid chromatography

Chiavaro E, Dall'Asta C, Galaverna G, Biancardi A, Gambarelli E, Dossena A, Marchelli R*// *Univ Parma, Dipt Chim Organ & Ind, Parco Area Sci 17A, IT-43100 Parma, Italy

J Chromatogr A 2001 937 (1-2) 31

New reversed-phase liquid chromatographic method to detect aflatoxins in food and feed with cyclodextrins as fluorescence enhancers added to the eluent

Doll F, Weber H, Weber W, Brunig J, Kolb H// Tech Fachhsch Berlin, FB Lebensmitteltechnol, Kurfurstenstr 141, DE-10785 Berlin, Germany Fleischwirtschaft 2001 81 (12) 97

Suitability of RIDASCREEN®: Enzyme immunoassay for detection of verotoxin in foods (German, English Abstract)

Escobar A, Regueiro S// Natl Ctr Anim & Plant Prot - CENSA, Apdo 10 San Jose Lajas, Havana, Cuba

J Food Prot 2002 65 (1) 219

Determination of aflatoxin B_1 in food and feedstuffs in Cuba (1990 through 1996) using an immunoenzymatic reagent kit (Aflacen)

Eskola M, Kokkonen M, Rizzo A// Natl Vet & Food Res Inst - EELA, Dept Chem. POB 45, Hameentie 57, FI-00581 Helsinki, Finland

J Agric Food Chem 2002 **50** (1) 41

Application of manual and automated systems for purification of ochratoxin A

and zearalenone in cereals with immunoaffinity columns

Furey A, Lehane M, Gillman M, Fernandez-Puente P, James KJ*// *Cork Inst Technol, Dept Chem, Ecotoxicol Res Unit, Cork, Rep Ireland

J Chromatogr A 2001 938 (1-2) 167

Determination of domoic acid in shellfish by liquid chromatography with electrospray ionization and multiple tandem mass spectrometry

Furey A, Brana-Magdalena A, Lehane M, Moroney C, James KJ*, Satake M, Yasumoto T// *Cork Inst Technol, Chem Dept, Ecotoxicol Res Unit, Cork, Rep Ireland

Rapid Commun Mass Spectrom 2002 16 (3) 238

Determination of azaspiracids in shellfish using liquid chromatography/tandem electrospray mass spectrometry

Garden SR, Strachan NJC*// *Univ Aberdeen, Dept Plant & Soil Sci, Cruickshank Bldg, Aberdeen AB24 3UU, Scotland

Anal Chim Acta 2001 444 (2) 187

Novel colorimetric immunoassay for the detection of aflatoxin B₁

Gonzalez JC, Fontal OI, Vieytes MR, Vieytes JM, Botana LM*// *Fac Vet, Dept Farmacol, ES-27002 Lugo, Spain

J Agric Food Chem 2002 50 (2) 400

Basis for a new procedure to eliminate diarrhetic shellfish toxins from a contaminated matrix

Ito S, Tsukada K*// *Hitachi, Biosyst Operat, 882 Ichige, Hitachinaka, Ibaraki 312 8504, Japan

J Chromatogr A 2002 943 (1) 39

Matrix effect and correction by standard addition in quantitative liquid chromatographic-mass spectrometric analysis of diarrhetic shellfish poisoning toxins

Kurono S, Hattori H, Suzuki O, Yamada T, Seno H*// *Aichi Med Univ, Sch Med, Dept Legal Med, Nagakute, Aichi 480 1195, Japan

Anal Lett 2001 34 (14) 2439

Sensitive analysis of tetrodotoxin in human plasma by solid-phase extractions and gas chromatography/mass spectrometry

Llorens A, Mateo R, Mateo JJ, Jimenez $M^*//^*$ Univ Valencia, Fac Biol, Dept Microbiol & Ecol, Dr Moliner 50, ES-46100 Valencia, Spain

Food Addit Contam 2002 19 (3) 272

Comparison of extraction and clean-up procedures for analysis of zearalenone in corn, rice and wheat grains by high-performance liquid chromatography with photodiode array and fluorescence detection

Pearson TC, Wicklow DT, Maghirang EB, Xie F, Dowell FE// USDA/ARS, GMPRC, 1515 Coll Ave, Manhattan, Ks 66502, USA

Trans ASAE 2001 44 (5) 1247

Detecting aflatoxin in single corn kernels by transmittance and reflectance spectroscopy

Pineda R, Knapp AD, Hoekstra JC, Johnson DC*// *Poneer Hi-Bred Int Inc, 6900 NW 62nd Ave, POB 256, Johnston, Ia 50131, USA

Anal Chim Acta 2001 449 (1-2) 111

Integrated square-wave electrochemical detection of biogenic amines in soybean seeds following their separations by liquid chromatography

Pittet A, Royer D// Nestec Ltd, Nestle Res Ctr, Vers-Chez-les-Blanc, POB 44, CH-1000 Lausanne, Switzerland

J Agric Food Chem 2002 **50** (2) 243

Rapid, low cost thin-layer chromatographic screening method for the detection of ochratoxin A in green coffee at a control level of $10~\mu g/kg$

Radova Z, Hajslova J*, Kralova J, Papouskova L, Skyorova S// *Inst Tech Chem, Technicka 3, CZ-16628 Prague, Czech Republic

Cereal Res Commun 2001 29 (3-4) 435

Analysis of zearalenone in wheat using high-performance liquid chromatography with fluorescence detection and/or enzyme-linked immunosorbent assay

Rastogi S, Das M*, Khanna SK// *Ind Toxicol Res Ctr, Food Toxicol Div, Post Box 80, Mahatma Ghandi Marg, IN-226001 Lucknow, India

J Chromatogr A 2001 933 (1-2) 91

Quantitative determination of alfatoxin B_1 -oxime by column liquid chromatography with ultraviolet detection

Scott PM// Sir Frederick G Banting Res Ctr, Food Res Div, Hlth Prod & Food Branch, Ottawa, Ontario, Canada K1A 0L2

J AOAC Int 2001 84 (6) 1809

Analysis of agricultural commodities and foods for Alternaria mycotoxins

Visconti A, Pascale M, Centonze G// CNR, Ist Tossine & Micotossine Parassiti Vegetali, Viale Einaudi 51, IT-70125 Bari, Italy

J AOAC Int 2001 84 (6) 1818

Determination of ochratoxin A in wine and beer by immunoaffinity column cleanup and liquid chromatographic analysis with fluorometric detection: Collaborative study

Visconti A, Solfrizzo M, De Girolamo A// Address as above.

J AOAC Int 2001 84 (6) 1828

Determination of fumonisins B₁ and B₂ in corn and corn flakes by liquid chro-

matography with immunoaffinity column cleanup: Collaborative study

Xing GM, Wang F, Cui KR, Li ZX*// *Lanzhou Univ, State Key Lab Arid Agroecol, CN-730000 Lanzhou, Peoples Rep China

Anal Chem 2001 34 (15) 2649

Assay of neurotoxin β -ODAP and non-protein amino acids in *Lathyrus sativus* by high-peformance liquid chromatography with dansylation

Yamashita H, Kimoto M, Hiemori M, Okita M, Suzuki K, Tsuji H// Okayama Prefectural Univ, Fac Hlth & Welf Sci, Dept Nutr Sci, Okayama 719 1197, Japan

Biosci Biotechnol Biochem 2001 65 (12) 2730

Sandwich enzyme-linked immunosorbent assay system for micro-detection of the wheat allergen Tri a Bd 17 K $\,$

10. Additives

Bernini R, Picconi F, Iacovacci V, Abballe F// Cesare Fioucci SpA, Lab Qual & Ambiente, via Cesare Fiorucci 11, IT-00040 Rome, Italy *Ind Aliment* 2001 **40** (405) 741

Meat and cured meat analysed by means of ion chromatography. Part II: Nitrite and nitrate (Italian, English Abstract)

Bodor R, Zuborova M, Olvecka E, Madajova V, Masar M, Kaniansky D*, Stanislawski B// *Comenius Univ, Fac Nat Sci, Dept Analyt Chem, Mlynska dolina Ch-2, SK-84215 Bratislava, Slovakia

J Sep Sci 2001 24 (9) 802

Isotachophoresis and isotachophoresis-zone electrophoresis of food additives on a chip with column-coupling separation channels

Breithaupt DE, Wirt U, Bamedi A// Univ Hohenheim, Inst Lebensmittel Chem, Garbenstr 28, DE-70599 Stuttgart, Germany

J Agric Food Chem 2002 50 (1) 66

Differentiation between lutein monoester regioisomers and detection of lutein diesters from marigold flowers (*Tagetes erecta* L.) and several fruits by liquid chromatography-mass spectrometry

Chen QC, Wang J// China Import & Export Commod Inspect Technol Inst, CN-100025 Beijing, Peoples Rep China

J Chromatogr A 2001 937 (1-2) 57

Simultaneous determination of artificial sweeteners, preservatives, caffeine, theobromine and theophylline in food and pharmaceutical preparations by ion chromatography

Faldt S, Karlberg B, Frenzel W*// *Tech Univ Berlin, Inst Tech Umweltschutz, Str D 17 Juni 135, DE-10623 Berlin, Germany

Fresenius J Anal Chem 2001 371 (4) 425

Hyphenation of gas-diffusion separation and ion chromatography. Part I: Determination of free sulfite in wines

Morales ML, Ferreira R, Gonzalez AG, Troncoso AM*// *Univ Sevilla, Fac Farm, Area Nutr & Bromatol, C/ P Garcia Gonzalez s/n, ES-41012 Seville, Spain

J Sep Sci 2001 **24** (10) 879

Simultaneous determinations of organic acids and sweeteners in soft drinks by ion-exclusion HPLC

Ni YN, Qi M, Kokot S// Nanchang Univ, Dept Chem, CN-330047 Jiangxi, Nanchang, Peoples Rep China

Anal Lett 2001 34 (14) 2585

Simultaneous spectrophotometric determination of ternary mixtures of tartrazine, Sunset Yellow, and Ponceau 4R by H-point standard addition method

Nikolelis DP, Pantoulias S// Univ Athens, Analyt Chem Lab, Dept Chem, GR-15771 Athens, Greece

Anal Chem 2001 73 (24) 5945

Selective continuous monitoring and analysis of mixtures of acesulfame-K, cyclamate, and saccharin in artificial sweetener tablets, diet soft drinks, yogurts, and wines using filter-supported bilayer lipid membranes

Scotter MJ, Castle L, Honeybone CA, Nelson C// MAFF, Cent Sci Lab, York YO41 1LZ, England

Food Addit Contam 2002 19 (3) 205

Method development and analysis of retail foods for annatto food colouring material

Tsuji S, Umino Y, Amakura Y, Tonogai Y// Natl Inst Hlth Sci, Osaka Branch, Chuo ku, 1-1-43 Hoenzaka, Osaka 540 0006, Japan

J Food Hyg Soc Jpn 2001 42 (6) 379

Preparation of HPLC test solutions for organic impurities in aluminum lakes of Food Red No. 40 (Allura Red AC) and Food Yellow No. 5 (Sunset Yellow FCF) (Japanese, English Abstract)

Zareh MM, Malinowska E, Kasiura K// Coll Girls Sharafia, POB 14812, SA-21434 Jeddah, Saudi Arabia

Anal Chim Acta 2001 447 (1-2) 55

Plasticized poly(vinyl chloride) membrane electrode for the determination of quinine in soft drinks

11. Flavours & aromas

Barr D, Heiss A, Kamlowski A, Maier D, Erstling J, Meling H// Bruker BioSpin, EPR Div, Manning Pk, Billerica, Ma 01821, USA

Spectroscopy 2001 16 (12) 16

Shelf life analysis of beer using an automated lag-time EPR system

Bellesia F, Pinetti A*, Tirillini B, Paolocci F, Rubini A, Arcioni S, Bianchi A// *Univ Modena, Dipt Chim Univ, via Campi 183, IT-41100 Modena, Italy J Essent Oil Res 2002 14 (1) 3

The headspace volatiles of the asian truffle Tuber indicum Cooke et Mass

Bezman Y, Rouseff RL, Naim M*// *Hebrew Univ Jerusalem, Fac Agr Food & Environm Qual Sci, Inst Biochem Food Sci & Nutr, POB 12, IL-76100 Rehovot, Israel

J Agric Food Chem 2001 49 (11) 5425

2-Methyl-3-furanthiol and methional are possible off-flavors in stored orange juice: Aroma-similarity, NIF/SNIF GC-O, and GC analysis

Burns CS, Heyerick A, De Keukeleire D*, Forbes MDE// *State Univ Ghent, Fac Pharmaceut Sci, Lab Pharmacognosy & Phytochem, Harelbekestr 72, BE-9000 Ghent, Belgium

Chem-Eur J 2001 7 (21) 4553

Mechanism for formation of the lightstruck flavor in beer revealed by time-resolved electron paramagnetic resonance

Freitas AMC, Parreira C, Vilas-Boas L// Univ Nova Lisboa, Fac Ciencias & Tecnol, Dept Quim, Ctr Quim Fina & Biotecnol, PT-2825-114 Monte-de-Caparica, Portugal

Chromatographia 2001 **54** (9-10) 647

Comparison of two SPME fibers for differentiation of coffee by analysis of volatile compounds

Freitas AMC, Parreira C, Vilas-Boas L// Address as above.

J Food Compos Anal 2001 14 (5) 513

The use of an electronic aroma-sensing device to assess coffee differentiation: Comparison with SPME gas chromatography-mass spectrometry aroma patterns

Gonzalez-Rodriguez J, Perez-Juan PP, Luque de Castro MD*// *Univ Cordoba, Fac Sci, Div Analyt Chem, ES-14004 Cordoba, Spain

J AOAC Int 2001 84 (6) 1846

Semiautomatic flow-injection method for determination of volatile acidity in wines

Holt RU// Sor-Trondelag Univ Coll, Fac Technol, Trondheim, Norway J Chromatogr A 2001 937 (1-2) 107

Mechanisms effecting analysis of volatile flavour components by solid-phase microextraction and gas chromatography

Ivarsson P, Kikkawa Y, Winquist F, Krantz-Rulcker C, Hojer NE, Hayashi K, Toko K, Lundstrom I// Linkoping Univ, S-SENCE-Swedish Sensor Ctr, SE-58183 Linkoping, Sweden

Anal Chim Acta 2001 449 (1-2) 59

Comparison of a voltammetric electronic tongue and a lipid membrane taste sensor

Jordan MJ, Shaw PE, Goodner KL*// *USDA/ARS, Citrus & Subtrop Prod Lab, Sth Atlantic Area, 600 Ave Sth NW, Winter Haven, Fl 33881, USA *J Agric Food Chem* 2001 **49** (12) 5929

Volatile components in aqueous essence and fresh fruit of *Cucumis melo* cv. athena (muskmelon) by GC-MS and GC-O

Maeztu L, Sanz C, Andueza S, De Pena MP, Bello J, Cid C*// *Univ Navarra, Fac Farm, Dept Bromatol Tecnol Alimentos & Toxicol, ES-31080 Pamplona, Spain

 $J \Lambda gric \ Food \ Chem \ 2001 \ {f 49} \ (11) \ 5437$

Characterization of espresso coffee aroma by static headspace GC-MS and sensory flavor profile

Marengo E, Aceto M*, Maurino V// *Univ East Piedmont, Dept Sci & Adv Technol, Corso Borsalino 54, IT-15100 Alessandria, Italy

J Chromatogr A 2002 **943** (1) 123

Classification of Nebbiolo-based wines from Piedmont (Italy) by means of solid-phase microextraction-gas chromatography-mass spectrometry of volatile compounds

Martin YG, Oliveros MCC, Pavon JLP, Pinto CG, Cordero BM*// *Univ Salamanca, Fac Ciencias Quim, Dept Quim Analit Nutr & Bromatol, Plaza Merced s/n, ES-37008 Salamanca, Spain

Anal Chim Acta 2001 449 (1-2) 69

Electronic nose based on metal oxide semiconductor sensors and pattern recognition techniques: Characterisation of vegetable oils

Martinez M, Willemsen JJ// Willamette Univ, Salem, Or 97301, USA

J Am Soc Brew Chemist 2002 60 (1) 21

Trimethylsilyl derivatization of iso- α -acids to facilitate gas chromatographic-mass spectrometric analysis

Melendez ME, Sanchez MS*, Iniguez M, Sarabia LA, Ortiz MC// *Univ

Burgos, Fac Sci, Dept Math & Computat, Pza Misael Banuelos s/n, ES-09001 Burgos, Spain

Anal Chim Acta 2001 446 (1-2) 157

Psychophysical parameters of colour and the chemometric characterisation of wines of the certified denomination of origin 'Rioja'

Osborn GS, Lacey RE, Singleton JA// Texas A&M Univ, Dept Biol & Agr Engn, 201 Scoates Hall, College Station, Tx 77843, USA

Trans ASAE 2001 44 (4) 929

A method to detect peanut off-flavors using an electronic nose

Osborn GS, Lacey RE, Singleton JA// Texas A&M Univ, Dept Biol & Agr Engn, 201 Scoates Hall, College Station, Tx 77843, USA

Trans ASAE 2001 44 (4) 939

Non-destructive detection of peanut off-flavors using an electronic nose

Pop EG, Barth D// Plantessoils Ltd, RO-2200 Brasov, Romania

Pure Appl Chem 2001 73 (8) 1287

Supercritical fluid extraction of Z-sabinene hydrate-rich essential oils from Romanian Mentha hybrids

Povh NP, Marques MOM, Meireles MAA*// *UNICAMP, DEA-FEA, LAS-EFI, CP 6121, BR-13083-970 Campinas, SP, Brazil

J Supercrit Fluid 2001 21 (3) 245

Supercritical CO₂ extraction of essential oil and oleoresin from chamomile (*Chamomilla recutita* [L] Rauschert)

Prell W, Steiner R, Feger W, Ziegler M// Univ Erlangen Nurnberg, Inst Chem Ingn, Egerlandstr 3, DE-91058 Erlangen, Germany

Dtsch Lebensm-Rundsch 2001 97 (11) 421

Production of apple flavor concentrates by high pressure extraction with carbon dioxide (German, English Abstract)

Rocha S, Ramalheira V, Barros A, Delgadillo I, Coimbra MA// Univ Aveiro, Dept Quim, PT-3810-193 Aveiro, Portugal

J Agric Food Chem 2001 49 (11) 5142

Headspace solid phase microextraction (SPME) analysis of flavor compounds in wines. Effect of the matrix volatile composition in the relative response factors in a wine model

Rodrigues JA, Barros AA, Almeida PJ, Rodrigues PG, Fogg AG// Univ Porto, Fac Ciencias, Dept Quim, Ctr Invest Quim, Rua Campo Alegre 687, PT-4169-007 Oporto, Portugal

Anal Chim Acta 2001 449 (1-2) 119

Flow injection square wave cathodic stripping voltammetric determination at a hanging mercury drop electrode of rapidly reduced compounds: Determination of diacetyl in wine as 2,3-dimethylquinoxaline

Ruiz-Capillas C, Gillyon CM, Horner WFA// CSIC, Inst Frio, Ciudad Univ s/n, ES-28040 Madrid, Spain

J Food Biochem 2001 25 (6) 541

Determination of different volatile base components as quality control indices in fish by official methods and flow injection analysis

Ruiz J, Ventanas J, Cava R// Univ Extremadura, Fac Vet, Avda Univ s/n, ES-10071 Caceres, Spain

J Agric Food Chem 2001 49 (11) 5115

New device for direct extraction of volatiles in solid samples using SPME

Santos GV, Veloso MCD, Pereira PAD, De Andrade JB// Univ Fed Bahia, Inst Chem, Campus Univ Ondina, BR-40170-290 Salvador, BA, Brazil *Am Lab* 2001 **33** (24) 28

Fish off-flavor analysis by headspace and off-line purge-and-trap followed by HRGC-MS

Sawamura M, Ito T, Une A, Ukeda H, Yamasaki Y// Kochi Univ, Fac Agr, Dept Bioresources Sci, B-200 Monobe, Nankoku, Kochi 783 8502, Japan *Biosci Biotechnol Biochem* 2001 **65** (12) 2622

Isotope ratio by HRGC-MS of $Citrus\ junos\ Tanaka\ (yuzu)$ essential oils: m/z 137/136 of terpene hydrocarbons

Scharrer A, Mosandl A*// *Univ Frankfurt, Inst Lebensmittelchem, Marie Curie Str 9, DE-60439 Frankfurt, Germany

Dtsch Lebensm-Rundsch 2001 97 (12) 449

Reinvestigation of vanillin contents and component ratios of vanilla extracts using high-performance liquid chromatography and gas chromatography

Schneider R, Razungles A, Augier C, Baumes R// Unite Mixte Rech Sci Enol, 2 Pl Viala, FR-34060 Montpellier 1, France

J Chromatogr A 2001 936 (1-2) 145

Monoterpenic and norisoprenoidic glycoconjugates of *Vitis vinifera* L. cv. Melon B. as precursors of odorants in Muscadet wines

Smith D, Wang T, Spanel P// Keele Univ, Sch Postgrad Med, Ctr Sci & Technol Med, Thornburrow Drive, Hartshill, Stoke-on-Trent ST4 7QB, England

Rapid Commun Mass Spectrom 2002 16 (1) 69

Kinetics and isotope patterns of ethanol and acetaldehyde emissions from yeast fermentations of glucose and glucose-6,6-d₂ using selected ion flow tube mass spectrometry: A case study

Soufleros EH, Pissa I, Petridis D, Lygerakis M, Mermelas K, Boukouvalas G, Tsimitakis E// Aristotle Univ, Fac Agron, Dept Food Sci & Technol, Univ PO Box 235, GR-54006 Thessaloniki, Greece

Food Chem 2001 75 (4) 487

Instrumental analysis of volatile and other compounds of Greek kiwi wine: Sensory evaluation and optimisation of its composition

Venskutonis RP, Vasiliauskaite R, Galdikas A Setkus A// Kaunas Technol Univ, Dept Food Technol, LT-3028 Kaunas, Lithuania

Food Control 2002 13 (1) 13

Use of GC-headspace and "electronic nose" for the detection of volatile compounds from glucose-glycine Maillard reaction

Warm K, Martens H, Nielsen J, Martens M// Tech Univ Denmark, Danish Inst Fisheries Res, Bldg 221, DK-2800 Lyngby, Denmark

J Food Qual 2001 24 (5) 389

Sensory quality criteria for five fish species predicted from near-infrared (NIR) reflectance measurement

12. Organic acids

Arif M, Setford SJ, Burton KS, Tothill IE// Cranfield Univ, Cranfield Biotechnol Ctr, Silsoe MK45 4DT, England

Analyst 2002 127 (1) 104

L-Malic acid biosensor for field-based evaluation of apple, potato and tomato horticultural produce

Chen ZG, Lu JR// Shaanxi Normal Univ, Sch Chem & Mat Sci, Dept Chem, CN-710062 Xian, Peoples Rep China

J Chromatogr Sci 2002 40 (1) 35

Simultaneous and direct determination of oxalic acid, tartaric acid, and malic acid, vitamin C, citric acid, and succinic acid in *Fructus mume* by reversed-phase high-performance liquid chromatography

Wei MC, Chang CT, Jen JF*// *Natl Chunghsing Univ, Dept Chem, Taichung 40217, Taiwan

Chromatographia 2001 **54** (9-10) 601

Determination of organic acids in fermentation products of milk with high performance liquid chromatography/on-lined micro-dialysis

13. Animal products

Abdulmawjood A, Bulte M// Univ Giessen, Inst Tierarztliche Nahrungsmittelkunde, Frankfurter Str 92. DE-35392 Giessen, Germany

J Food Sci 2001 66 (9) 1287

Snail species identification by RFLP-PCR and designing of species-specific oligonucleotide primers

Asensio L, Gonzalez 1*, Fernandez A, Rodriguez MA, Lobo E, Hernandez PE, Garcia T, Martin R// *Univ Complutense Madrid, Fac Vet, Dept Nutr & Bromatol Higiene & Tecnol Alimentos 3, ES-28040 Madrid, Spain Arch Lebensmittelhyg 2001 **52** (6) 131

Genetic differentiation between wreck fish (*Polyprion americanus*) and Nile perch (*Lates niloticus*) by PCR-RFLP analysis of an α -actin gene fragment

Bertram HC, Donstrup S, Karlsson AH, Andersen HJ*// *Danish Inst Agric Sci, Res Ctr Foulum, Dept Anim Prod Qual, POB 50, DK-8830 Tjele, Denmark

Meat Sci 2002 **60** (3) 279

Continuous distribution analysis of T_2 relaxation in meat: An approach in the determination of water-holding capacity

Bjorklund E, Pallaroni L, Von Holst C*, Unglaub W// *Commiss European Communities, Joint Res Ctr, Food Prod & Consumer Goods Unit, IT-21020 Ispra, VA, Italy

J AOAC Int 2001 84 (6) 1839

Method of determination of appropriate heat treatment of animal meal by immunoassay developed for detection of cooked beef: Interlaboratory study

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

Milchwissenschaft 2001 56 (12) 690

A rapid Fourier transform infrared quality control method for the determination of lactose, sucrose, fat and total solids in chocolate milk

Fancelli S, Settimelli M, Cianti L, Fani R// Lab Anal Dr Mario Settimelli, via Queriola 12, IT-50019 Sesto Floentino, Fl, Italy

Ind Aliment 2001 40 (405) 747

Identification of Atlantic salmon (Salmo salar) and rainbow trout (Onchorhynchus mykiss) in fish preparations by PCR technique (Italian, English Abstract)

Isaksson T, Swensen LP, Taylor RG, Fjaera SO, Skjervold PO// Agric Univ Norway, Dept Food Sci, POB 5036, NO-1432 AS, Norway

J Sci Food Agric 2002 82 (1) 53

Non-destructive texture analysis of farmed Atlantic salmon using visual/nearinfrared reflectance spectroscopy

Ishii T, Hiramatsu K, Ohba T, Tsutsumi A// Snow Brand Milk Prod Co Ltd, Tech Res Inst, Minamidai 1-1-2, Kawagoe, Saitama 350 1165, Japan J Dairy Sci 2001 $\bf 84$ (11) 2357 The liquid-state 31 P-nuclear magnetic resonance study on microfiltrated milk

Lyon BG, Windham WR, Lyon CE, Barton FE// USDA/ARS, Russell Res Ctr, Qual Assessment Res Unit, POB 5677, Athens, Ga 30604, USA

J Food Qual 2001 24 (5) 435

Sensory characteristics and near-infrared spectroscopy of broiler breast meat from various chill-storage regimes

Min JS, Kim IS, Yoon YT, Lee M*// *Seoul Natl Univ, Sch Agr Biotechnol, Dept Anim Sci & Technol, Suwon 441744, South Korea

Asian Australas J Anim Sci 2002 15 (2) 279

Real effect of pH on CIE L*, a* and b* of loins during 24 h chilling of beef

Molette C, Berzaghi P, Zotte AD, Remignon H*, Babile R// *Ecole Natl Super Agron Toulouse, BP 107, FR-31326 Castanet Tolosan, France Poult Sci 2001 80 (11) 1625

The use of near-infrared reflectance spectroscopy in the prediction of the chemical composition of goose fatty liver

Murray I, Aucott LS, Pike 1H// Scottish Agric Coll, Aberdeen AB21 9YA, Scotland

J Near Infrared Spectrosc 2001 9 (4) 297

Use of discriminant analysis on visible and near infrared reflectance spectra to detect adulteration of fishmeal with meat and bone meal

Ochiai Y, Ochiai L, Hashimoto K, Watabe S*// *Univ Tokyo, Grad Sch Agric & Life Sci, Lab Aquat Mol Biol & Biotechnol, Tokyo 113 8657, Japan J Food Sci 2001 66 (9) 1301

Quantitative estimation of dark muscle content in the mackerel meat paste and its products using antisera against myosin light chains

Pallaroni L, Bjorklund E, Von Holst C*, Unglaub W// *Commiss European Communities, Joint Res Ctr, Inst Hlth & Consumer Protect, IT-21020 Ispra, VA, Italy

J AOAC Int 2001 84 (6) 1884

Determination of rendering plant sterilization conditions using a commercially available ELISA test kit developed for detection of cooked beef

Quinteiro J, Vidal R, Izquierdo V, Sotelo CG, Chapela MJ, Perez-Martin RI, Rehbein H, Hold GL, Russell VJ, Pryde SE, Rosa C, Santos AT, Rey-Mendez M// Univ Santiago de Compostela, Fac Biol, Dept Bioquim & Biol Mol, ES-15706 Santiago de Compostela, Spain

J Agric Food Chem 2001 49 (11) 5108

Identification of hake species (Merluccius genus) using sequencing and PCR-RFLP analysis of mitochondrial DNA control region sequences

Rodbotten R, Mevik BH, Hildrum KI// MATFORSK - Norwegian Food Res Inst, Osloveien 1, NO-1430 AS, Norway

J Near Infrared Spectrosc 2001 9 (3) 199

Prediction and classification of tenderness in beef from non-invasive diode array detected NIR spectra

Shimamura T, Ukeda H, Sawamura M// Kochi Univ, Fac Agr, Dept Bioresources, Nanko ku, Monobe B-200, Kocki 783 8502, Japan

J Jpn Soc Food Sci Technol 2001 48 (11) 840

Quality evaluation of milk using XTT assay: Comparison with ferricyanide assay (Japanese, English Abstract)

Solberg C, Fredriksen G// Bodo Coll, Dept Fisheries & Nat Sci, NO-8049 Bodo, Norway

J Near Infrared Spectrosc 2001 9 (3) 221

Analysis of fat and dry matter in capelin by near infrared transmission spec-

Venel C, Mullen AM, Downey G, Troy DJ// INA-PG, 16 rue Claude Bernard, FR-75231 Paris 05, France

J Near Infrared Spectrosc 2001 9 (3) 185

Prediction of tenderness and other quality attributes of beef by near infrared reflectance spectroscopy between 750 and 1100 nm: Further studies

14. Plant & microbial products

Ahro M, Hakala M, Kauppinen J, Kallio H*// *Univ Turku, Dept Biochem & Food Chem, FI-20014 Turku, Finland

Fresenius J Anal Chem 2001 371 (4) 541

Process control of apple winemaking by low-resolution gas-phase Fouriertransform infrared spectroscopy

Alonso-Salces RM, Korta E, Barranco A, Berrueta LA, Gallo B*, Vicente F// *Euskal Herriko Unibertsitatea, Fac Sci, Dept Analyt Chem, POB 644, ES-48080 Bilbao, Spain

J Chromatogr A 2001 933 (1-2) 37

Pressurized liquid extraction for the determination of polyphenols in apple

Asenstorfer RE, Havasaka Y, Jones GP*// *Univ Adelaide, Dept Hort Viticulture & Oenol, Waite Campus, PMB 1, Glen Osmond, SA 5064, Australia J Agric Food Chem 2001 49 (12) 5957

Isolation and structures of oligomeric wine pigments by bisulfite-mediated ion-exchange chromatography

Barton FE, Himmelsbach DS, McClung AM, Champagne EL// USDA/ARS, Res Serv, Richard B Russell Agric Res Ctr, POB 5677, Athens, Ga 30604, USA

Cereal Chem 2002 79 (1) 143

Two-dimensional vibration spectroscopy of rice quality and cooking

Bispo MS, Veloso MCC, Pinheiro HLC, De Oliveira RFS, Reis JON, De Andrade JB*// *Univ Fed Bahia, Inst Quim, BR-40170-290 Salvador, BA,

J Chromatogr Sci 2002 40 (1) 45

Simultaneous determination of caffeine, theobromine, and theophylline by high-performance liquid chromatography

Braddock RJ, Bryan CR// Univ Florida, Ctr Citrus Res & Educ, 700 Expt Station Rd, Lake Alfred, Fl 33850, USA

J Agric Food Chem 2001 49 (12) 5982

Extraction parameters and capillary electrophoresis analysis of limonin glucoside and phlorin in citrus byproducts

Buratti S, Pellegrini N, Brenna OV*, Mannino S// *Univ Milan, Dept Food Sci, 2 Via Celoria, IT-20133 Milan, Italy

J Agric Food Chem 2001 49 (11) 5136

Rapid electrochemical method for the evaluation of the antioxidant power of some lipophilic food extracts

Cao YH, Zhang X, Fang YZ*, Ye JN// *East China Normal Univ, Dept Chem, CN-200062 Shanghai, Peoples Rep China

Chem J Chinese Univ-Chinese 2001 22 (12) 2011

Determination of phenolic compounds in red wine by capillary zone electrophoresis with electrochemical detection

Cassel RB// TA Instruments, New Castle, De 19720, USA

Cereal Food World 2002 47 (1) 10

Recent advances in differential scanning calorimetry

Chavan UD, Shahidi F*, Naczk M// *Mem Univ Newfoundland, Dept Biochem, St John's, Newfoundland, Canada A1B 3X9

Food Chem 2001 75 (4) 509

Extraction of condensed tannins from beach pea (Lathyrus maritimus L.) as affected by different solvents

Chen YH, Chung YL, Lin CH*// *Natl Taiwan Normal Univ, Dept Chem, 88 Sec 4 Tingchow Rd, Taipei 116, Taiwan

J Chromatogr A 2002 943 (2) 287

Ultra-low-temperature non-aqueous capillary electrophoretic separation-77 K fluorescence spectroscopic detection for the on-line identification of photoconverted analytes of trans-resveratrol

Cooper HJ, Marshall AG*// *Florida State Univ, Dept Chem, Natl High Magnet Field Lab, Ctr Interdisciplinary Magnet Resonance, Tallahassee, Fl 32310, USA

J Agric Food Chem 2001 49 (12) 5710

Electrospray ionization Fourier transform mass spectrometric analysis of wine

Cubeddu C, D'Andrea C, Pifferi A, Taroni, Torricelli A, Valentini G, Ruiz-Altisent M, Valero C, Ortiz C, Dover C, Johnson D// INFM, Dipt Fis, Piazza Leonardo de Vinci 32, IT-20133 Milan, Italy

Appl Spectrosc 2001 55 (10) 1368

Time-resolved reflectance spectroscopy applied to the nondestructive monitoring of the internal optical properties in apples

Cummings EA, Linquette-Mailley S, Mailley P, Cosnier S*, Eggins BR, McAdams ET// *Univ Grenoble 1, UMR 5819 CNRS, CEA, DRFMC, S13M, EMSI, 17 rue Des Martyrs, FR-38054 Grenoble 9, France Talanta 2001 55 (5) 1015

A comparison of amperometric screen-printed, carbon electrodes and their application to the analysis of phenolic compounds present in beers

De Pinho PG, Ferreira ACS, Pinto MM, Benitez JG, Hogg TA// Univ Catolica Portuguesa, Escola Super Biotechnol, R Dr Antonio Barnardino de Almeida, PT-4200-072 Oporto, Portugal

J Agric Food Chem 2001 49 (11) 5484

Determination of carotenoid profiles in grapes, musts, and fortified wines from Douro varieties of Vitis vinifera

De Sio F, Servillo L*, Loiuduce R, Laratta B, Castaldo D// *Univ Naples 2, Dept Biochem & Biophys, Via Costantinopoli 16, IT-80138 Naples, Italy Acta Aliment 2001 30 (4) 395

A chromatographic procedure for the determination of carotenoids and chlorophylls in vegetable products

Gonnet JF// Univ Lyon I, Lab BMP, 43 Blvd 11 Novembre, FR-69622

Villeurbanne, France

Food Chem 2001 75 (4) 473

Colour effects of co-pigmentation of anthocyanin revisited: III. A further description using CIELAB differences and assessment of matched colours using the CMC model

Good H// Hunterlab, Mkt Serv, Reston, Va, USA

Cereal Food World 2002 47 (1) 5

Measurement of color in cereal products

Horie H, Nesumi A, Ujihara T, Kohata K// Natl Inst Vegetable & Tea Sci, 2769 Kanaya, Shizuoka 428 8501, Japan

J Chromatogr A 2002 942 (1-2) 271

Rapid determination of caffeine in tea leaves

Hubner P, Waiblinger HU, Pietsch K, Brodmann P// Kantonales Labor Zurich, Fehrenstr 15, CH-8030 Zurich, Switzerland

J AOAC Int 2001 84 (6) 1855

Validation of PCR methods for quantitation of genetically modified plants in food

Jensen PN, Sorensen G, Engelsen SB, Bertelsen G// Royal Vet & Agr Univ, Dept Dairy & Food Sci, Rolighedsvej 30, DK-1958 Frederiksberg C, Denmark J Agric Food Chem 2001 **49** (12) 5790

Evaluation of quality changes in walnut kernels (Juglans regia L.) by vis/NIR spectroscopy

Jewell WT, Ebeler SE*// *Univ Calif Davis, Dept Viticulture & Enol, 1 Shields Ave, Davis, Ca 95616, USA

Am J Enol Viticult 2001 52 (3) 219

Tyrosinase biosensor for the measurement of wine polyphenolics

Kallithraka S, Arvanitoyannis I*, El-Zajouli A, Kefalas P// *Univ Thessaly, Sch Technol Sci, Dept Agr Crop & Anim Prod, Fytoko St, GR-38446 Nea Ionia, Magnesia, Volos, Greece

Food Chem 2001 75 (3) 355

The application of an improved method for *trans*-resveratrol to determine the origin of Greek red wines

Kaloustian J, Portugal H, Pauli AM, Pastor J// Univ Mediterranee, Fac Pharm, Lab Chim Analyt, 27 Blvd Jean Moulin, FR-13385 Marseille 5, France *J Appl Polym Sci* 2002 **83** (4) 747

Chemical, chromatographic, and thermal analysis of rosemary (Rosmarinus officinalis)

Klump SP, Allred MC, MacDonald JL, Ballam JM// Ralston Analyt Labs, 1 Checkerboard Sq, St Louis, Mo 63164, USA

J AOAC Int 2001 84 (6) 1865

Determination of isoflavones in soy and selected foods containing soy by extraction, saponification, and liquid chromatography: Collaborative study

Kojima TI, Horigane AK, Yoshida M, Nagata T, Nagasawa A// Saitama Ind Technol Ctr, No Lab 2-133 Suehiro, Kumagaya, Saitama 360 0031, Japan *J Food Sci* 2001 **66** (9) 1361

Change in the status of water in Japanese noodles during and after boiling observed by NMR micro imaging

Kurzrock T, Speer K*// *Dresden Univ Technol, Inst Food Chem, Mommsenstr 13, DE-01069 Dresden, Germany

J Sep Sci 2001 **24** (10-11) 843

Identification of kahweol fatty acid esters in Arabica coffee by means of LC/MS

Lu R// Michigan State Univ, USDA/ARS, Dept Agr Engn, East Lansing, Mi 48824, USA

Trans ASAE 2001 44 (5) 1265

Predicting firmness and sugar content of sweet cherries using near-infrared diffuse reflectance spectroscopy

Morais H, Ramos AC, Cserhati T, Forgacs $E^*//$ *Hungarian Acad Sci, Chem Res Ctr, Inst Chem, POB 17, Budapest, Hungary

J Chromatogr A 2001 936 (1-2) 139

Effects of fluorescent light and vacuum packaging on the rate of decomposition of pigments in paprika (Capsicum annuum) powder determined by reversed-phase high-performance liquid chromatography

Nielsen JP, Bertrand E, Micklander E, Courcoux P, Munck L// Royal Vet & Agric Univ, Dept Dairy & Food Sci, Rolighedsvej 30, DK-1958 Frederiksberg C, Denmark

J Near Infrared Spectrosc 2001 9 (4) 275

Study of NIR spectra, particle size distributions and chemical parameters of wheat flours: A multi-way approach

Orea JM, Montero C, Jimenez JB, Urena AG*// *Univ Complutense Madrid, Unidad Laseres & Haces Mol, Inst Pluridisciplinar, Po Juan XXIII 1, ES-28040 Madrid, Spain

Anal Chem 2001 73 (24) 5921

Analysis of *trans*-resveratol by laser desorption coupled with resonant ionization spectrometry. Application to *trans*-resveratrol content in vine leaves and grape skin

Perret C, Tabacchi R, Pezet R*// *Stn Fed Rech Prod Veg Changins, Rte Duillier, CH-1260 Nyon, Switzerland

Eur J Mass Spectrom 2001 7 (4-5) 419

Analysis of oligomeric and polymeric tannins of grape berries by liquid chromatography/electrospray ionization multiple-stage tandem mass spectrometry

Psotka J// NDC Infrared Engn, Irwindale, Ca, USA

Cereal Food World 2001 46 (11) 568

Challenges of making accurate on-line near-infrared measurements

Reyes-Moreno C, Parralnzunza MA, Milan-Carrillo J, Zazueta-Niebla JA// Lichis 1986, Colonia Campina, MX-80060 Culiacan, Sinaloa, Mexico J Sci Food Agric 2002 **82** (1) 69

A response surface methodology approach to optimise pretreatments to prevent enzymatic browning in potato (Solanum tuberosum L) cubes

Rizzi A, Agosti F, Daffonchio D*, Sorlini C// *Univ Milan, Dipt Sci & Tecnol Alimentari & Microbiol, via Celoria 2, IT-20133 Milan, Italy *Ital J Food Sci* 2001 **13** (3) 265

Detection of genetically modified BT maize in cooked food products by PCR

Rosner G, Pollach G// Zuckerforsch Tulln Gesell mbH, Reitherstr 21-23, AU-3430 Tulln, Austria

Zuckerindustrie 2001 126 (11) 890

Automated method for the determination of hardness in thin juices (German, English Abstract)

Ryan D, Lawrence H, Prenzler PD, Antolovich M, Robards K*// *Charles Sturt Univ, Fac Sci & Agr, Sch Sci & Technol, Locked Bag 588, Wagga Wagga, NSW 2678, Australia

Anal Chim Acta 2001 445 (1) 67

Recovery of phenolic compounds from Olea europaea

Saranwong S, Sornsrivichai J, Kawano S// Chiang Mai Univ, Fac Sci, Dept Biol, TH-50002 Chiang Mai, Thailand

J Near Infrared Spectrosc 2001 9 (4) 287

Improvement of PLS calibration for Brix value and dry matter of mango using information from MLR calibration

Saucier C, Mirabel M, Daviaud F, Longieras A, Glories Y// Fac Enol, Lab Chim Appl, 351 Cours Liberation, FR-33405 Talence, France

J Agric Food Chem 2001 **49** (12) 5732

Rapid fractionation of grape seed proanthocyanidins

Savel J, Pazourek K// Budweiser Budvar NC, K Svetle, CZ-37021 Ceske Budejovice, Czech Republic

Monatsschr Brauwissen 2001 54 (11-12) 245

Furfural equivalent (FE) determination in brewing (German, English Abstract)

Schropp P, Stempfl W// Doemens WBA Technikum GmbH, Stefanusstr 8, DE-82166 Grafelfing Munchen, Germany

Monatsschr Brauwissen 2001 54 (11-12) 242

Evaluation of analytical quality parameters for beer: Part III (German, English Abstract)

Senorans FJ, Ruiz-Rodriguez A, Cavero S, Cifuentes A, Ibanez E, Reglero G*// *Univ Autonoma Madrid, Fac Ciencias, Area Tecnol Alimentos, ES-28049 Madrid, Spain

J Agric Food Chem 2001 49 (12) 6039

Isolation of antioxidant compounds from orange juice by using countercurrent supercritical fluid extraction (CC-SFE)

Sun RC, Sun XF, Zhang SH// Univ Coll Nth Wales, Biocomposites Ctr, Bangor LL57 2UW, Wales

J Agric Food Chem 2001 49 (11) 5122

Quantitative determination of hydroxycinnamic acids in wheat, rye, and barley straws, maize stems, oil palm frond fiber, and fast-growing poplar wood

Tuck KL, Hayball PJ*// *Univ Sth Australia, Sch Pharmaceut Mol & Biomed Sci, Pharmaceut Res Ctr, Adelaide, SA 5000, Australia

J Label Compound Radiopharm 2001 44 (14) 1005

The deuteriation of constituents in olive oil and red wine with Nafion, a polymer supported acid catalyst

Varo P, Rodriguez M// Univ Alicante, Dept Chem Engn, POB 99, ES-03008 Alicante, Spain

Monatsschr Brauwissen 2001 54 (11-12) 233

Determination of ethanol using the automatic enzymatic method (German, English Abstract)

Vitrac X, Castagnino C, Waffo-Teguo P, Delaunay JC, Vercauteren J, Monti JP, Deffieux G, Merillon JM*// *Univ Bordeaux 2, Fac Pharmaceut Sci, Grp Etud Subst Nat Interet Therapeut, Pl Victoire, FR-33076 Bordeaux, France J Agric Food Chem 2001 **49** (12) 5934

Polyphenols newly extracted in red wine from southwestern France by centrifugal partition chromatography

Whitaker TB, Freese L, Giesbrecht FG, Slate AB// Nth Carolina State Univ, USDA/ARS, Box 7625, Raleigh, NC 27695, USA

J AOAC Int 2001 84 (6) 1941

Sampling grain shipments to detect genetically modified seed