

Bibliography of analytical, nutritional and clinical methods

(3 weeks journals. Search completed at 7th Sept. 2005)

1. Books, reviews & symposia

Cserhati T, Forgacs E, Deyl Z, Miksik I// Hungarian Acad Sci, Inst Mat & Environm Chem, Chem Res Ctr, POB 17, HU-1525 Budapest, Hungary
Biomed Chromatogr 2005 **19** (3) 183

Chromatography in authenticity and traceability tests of vegetable oils and dairy products: A review

Luque de Castro MD, Gonzalez-Rodriguez J, Perez-Juan P// Univ Cordoba, Dept Analyt Chem, Marie Curie, Campus Rabanales, ES-14071 Cordoba, Spain

Food Rev Int 2005 **21** (2) 231

Analytical methods in wineries: Is it time to change?

Melendez-Martinez AJ, Vicario IM, Heredia FJ// *Univ Sevilla, Fac Farm, Area Nutr & Bromatol, Lab Food Sci & Nutr, C/ P Garcia Gonzalez 2, ES-41012 Seville, Spain

J Sci Food Agric 2005 **85** (6) 894

Instrumental measurement of orange juice colour: A review

Molnar-Perl I, Fuzfai Z// Lorand Eotvos Univ, Inst Inorgan & Analyt Chem, POB 32, HU-1518 Budapest, Hungary

J Chromatogr A 2005 **1073** (1-2) 201

Chromatographic, capillary electrophoretic and capillary electrochromatographic techniques in the analysis of flavonoids (Review)

Ohtsubo K, Nakamura S, Kumo S, Kawakami H, Miyamura T// Natl Food Res Inst, 2-1-2 Kannondai, Tsukuba, Ibaraki 305 8642, Japan

J Jpn Soc Food Sci Technol 2005 **52** (3) 102

Development of the primer sets for identification of rice cultivars by PCR on DNA polymorphisms (Review) (Japanese, English Abstract)

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

Electrophoresis 2005 **26** (7-8) 1306

Capillary electrophoresis-mass spectrometry in food analysis (Review)

Simo C, Rizzi A, Barbas C, Cifuentes A// *Address as above

Electrophoresis 2005 **26** (7-8) 1432

Chiral capillary electrophoresis-mass spectrometry of amino acids in foods

Terzi V, Morcia C, Gorrini A, Stanca AM, Shewry PR, Faccioli P// Ist Sperimentale Cerealicoltura, Va San Protaso 302, IT-29017 Fiorenzuola d'Arda, PC, Italy

J Cereal Sci 2005 **41** (3) 213

DNA-based methods for identification and quantification of small grain cereal mixtures and fingerprinting of varieties (Review)

2. General

Cheftel JC// Univ Sci & Techniques Languedoc, Unite Biochim - Technol Alimentaires, FR-34095 Montpellier 5, France

Food Chem 2005 **93** (3) 531

Food and nutrition labelling in the European Union

Urdaian M, Domenech-Sanchez A, Alberti S, Benedi VJ, Rossello JA// *Univ Valencia, Jardin Bot, C/ Quart 80, ES-46008 Valencia, Spain

J Agric Food Chem 2005 **53** (9) 3345

New method of DNA isolation from two food additives suitable for authentications in polymerase chain reaction assays

3. Amino acids, proteins & enzymes

Capezio L, Romanini D, Pico GA*, Nerli B// *Univ Nacl Rosario, Fac Biochem & Pharmaceut Sci, CONICET, Dept Phys Chem, AR-2002 Rosario, Argentina

J Chromatogr B 2005 **819** (1) 25

Partition of whey milk proteins in aqueous two-phase systems of polyethylene glycol-phosphate as a starting point to isolate proteins expressed in transgenic milk

Chen WL, Hwang MT, Liao CY, Ho JC, Hong KC, Mao SJT// *Natl Chiao Tung Univ, Dept Biol Sci & Technol, Res Inst Biochem Engn, Hsinchu, Taiwan

J Dairy Sci 2005 **88** (5) 1618

β -Lactoglobulin is a thermal marker in processed milk as studied by electrophoresis and circular dichroic spectra

De Noni I, Resmini P// State Univ Milan, Dept Food Sci & Technol, Via G Celoria 2, IT-20133 Milan, Italy

Food Chem 2005 **93** (1) 65

Identification of rennet-whey solids in "traditional butter" by means of HPLC/ESI-MS of non-glycosylated caseinomacropeptide A

Flaete NES, Hollung K, Ruud L, Sogn T, Faergestad EM, Skarpeid HJ, Magnus EM, Uhlen AK// *Agr Univ Norway, Dept Plant & Environm Sci, POB 5003, NO-1432 As, Norway

J Cereal Sci 2005 **41** (3) 357

Combined nitrogen and sulphur fertilisation and its effect on wheat quality and protein composition measured by SE-FPLC and proteomics

Hajduch M, Ganapathy A, Stein JW, Thelen JJ// *Univ Missouri Life Sci Ctr, Dept Biochem, Columbia, Mo 65211, USA

Plant Physiol 2005 **137** (4) 1397

A systematic proteomic study of seed filling in soybean. Establishment of high-resolution two-dimensional reference maps, expression profiles, and an interactive proteome database

Indyk HE, Filonzi EL// Fonterra, POB 7, Waitoa, New Zealand

Int Dairy J 2005 **15** (5) 429

Determination of lactoferrin in bovine milk, colostrum and infant formulas by optical biosensor analysis

Kwanyuen P, Burton JW// Nth Carolina State Univ, Dept Crop Sci, USDA/ARS, 3127 Ligon St, Raleigh, NC 27695, USA

J Am Oil Chem Soc 2005 **82** (2) 81

A simple and rapid procedure for phytate determination in soybeans and soy products

Marchei E, Pellegrini M, Pacifici R, Palmi I, Pichini S// Ist Super Sanita, Drug Res & Evaluat Dept, Viale Regina Elena 299, IT-00161 Rome, Italy

J Pharm Biomed Anal 2005 **37** (3) 499

Development and validation of a high-performance liquid chromatography-mass spectrometry assay for methylxanthines and taurine in dietary supplements

Molle D, Leonil J// INRA, UMR Sci & Tech Lait & Ouef, 65 rue St Brieuc, FR-35042 Rennes, France

Int Dairy J 2005 **15** (5) 419

Quantitative determination of bovine κ -casein macropeptide in dairy products by liquid chromatography/electrospray coupled to mass spectrometry (LC-ESI/MS) and liquid chromatography/electrospray coupled to tandem mass spectrometry (LC-ESI/MS/MS)

Sandusky P, Raftery D// *Purdue University, Dept Chem, 560 Oval Dr, West

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

Lafayette, In 47906, USA

Anal Chem 2005 **77** (8) 2455

Use of selective TOCSY NMR experiments for quantifying minor components in complex mixtures: Application to the metabonomics of amino acids in honey

Summer A, Tirelli A, Formaggioni P, Malacarne M, Mariani P// Univ Parma, Dipt Produz Anim Biotechnol Vet, IT-43100 Parma, Italy

Can J Anim Sci 2005 **85** (1) 93

Mare milk nitrogen fractions during lactation and determination by reversed-phase HPLC of the major whey proteins

Tessier B, Schweizer M, Fournier F, Framboisier X, Chevalot I, Vanderesse R, Harscoat C, Marc I*// *CNRS/INPL, UPR 6811, Lab Sci Genie Chim, 13 rue Bois Champelle, FR-54500 Vandoeuvre-les-Nancy, France

Food Res Int 2005 **38** (5) 577

Prediction of the amino acid composition of small peptides contained in a plant protein hydrolysate by LC-MS and CE-MS

Weir AD, Omielan J, Lee EA, Rajcan I*// *Univ Guelph, Dept Plant Agr, Crop Sci Bldg, Guelph, Ontario, Canada N1G 2W1

J Am Oil Chem Soc 2005 **82** (2) 87

Use of NMR for predicting protein concentration in soybean seeds based on oil measurements

4. Carbohydrates

Kelly JFD, Downey G*// *Teagasc, Natl Food Ctr, Dublin 15, Rep Ireland

J Agric Food Chem 2005 **53** (9) 3281

Detection of sugar adulterants in apple juice using Fourier transform infrared spectroscopy and chemometrics

5. Lipids

Drochioiu G// Alexandru Ioan Cuza Univ Iasi, Fac Chem, Biochem Lab, 11 Carol I, RO-700506 Iasi, Romania

J Food Lipids 2005 **12** (1) 12

Turbidimetric lipid assay in seed flours

Muik B, Lendl B, Molina-Diaz A, Ayora-Canada MJ*// *Univ Jaen, Dept Phys & Analyt Chem, Paraje Lagunillas s/n, ES-23071 Jaen, Spain

Chem Phys Lipids 2005 **134** (2) 173

Direct monitoring of lipid oxidation in edible oils by Fourier transform Raman spectroscopy

Siemens BJ, Daun JK// Canadian Grain Commiss, Grain Res Lab, 1404-303 Main St, Winnipeg, Manitoba, Canada R3N 1N7

J Am Oil Chem Soc 2005 **82** (3) 153

Determination of the fatty acid composition of canola, flax, and solin by near-infrared spectroscopy

Sohn JH, Taki YS, Ushio H, Ohshima T*// *Tokyo Univ Marine Sci & Technol, Dept Food Sci & Tech, Konan 4, Minato ku, Tokyo 108 8477, Japan

Lipids 2005 **40** (2) 203

Quantitative determination of total lipid hydroperoxides by a flow injection analysis system

Yang H, Irudayaraj J, Paradkar MM// Nth Carolina A&T State Univ, Dept Human Environm & Fam Sci, 161 Carver Hall, Greensboro, NC 27411, USA

Food Chem 2005 **93** (1) 25

Discriminant analysis of edible oils and fats by FTIR, FT-NIR and FT-Raman spectroscopy

6. Vitamins & co-factors

Bicanic D, Fogliano V, Luterotti S, Swarts J, Piani G, Graziani G// Wageningen Univ, Dept Agrotechnol & Food Sci, Div Biophys, Laser Lab Photothelmal Sci, Transitorium, Dreijenlaan 3, NL-6703 HA Wageningen, The Netherlands

J Sci Food Agric 2005 **85** (7) 1149

Quantification of lycopene in tomato products: Comparing the performances of a newly proposed direct photothermal method and high-performance liquid chromatography

Bicanic D, Swarts J, Luterotti S, Helander P, Fogliano V, Anese M// Address as above

J Agric Food Chem 2005 **53** (9) 3295

Optothermistor as a breakthrough in the quantification of lycopene content of thermally processed tomato-based foods: Verification versus absorption spectrophotometry and high-performance liquid chromatography

Emadi-Konjin P, Verjee Z, Levin AV, Adeli K*// *Hosp Sick Children, Dept Paediat, Lab Med, 555 Univ Ave, Toronto, Ontario, Canada M5G 1X8

Clin Biochem 2005 **38** (5) 450

Measurement of intracellular vitamin C levels in human lymphocytes by reverse phase high-performance liquid chromatography (HPLC)

Leonard SW, Gumprich E, Devereaux MW, Sokol RJ, Traber MG*// *Oregon State Univ, Linus Pauling Inst, Corvallis, Or 97331, USA

J Lipid Res 2005 **46** (5) 1068

Quantitation of rat liver vitamin E metabolites by LC-MS during high-dose vitamin E administration

Lopez A, Montano A*, Garrido A// *Inst Grasa - CSIC, Food Biotechnol Dept, Avda Padre Garcia Tejero 4, ES-41080 Seville, Spain

J Am Oil Chem Soc 2005 **82** (2) 129

Evaluation of vitamin E by HPLC in a variety of olive-based foodstuffs

Tsugawa N, Suhara Y, Kamao M, Okano T*// *Kobe Pharmaceut Univ, Dept Hyg Sci, 4-19-1 Motoyamakita machi, Higashinada ku, Kobe, Hyogo 658 8558, Japan

Anal Chem 2005 **77** (9) 3001

Determination of 25-hydroxy vitamin D in human plasma using high-performance liquid chromatography-tandem mass spectrometry

Vertzoni MV, Reppas C, Archontaki HA*// *Natl & Kapodistrian Univ Athens, Dept Chem, Analyt Chem Lab, GR-15771 Athens, Greece

J Chromatogr B 2005 **819** (1) 149

Optimized determination of lycopene in canine plasma using reversed-phase high-performance liquid chromatography

7. Trace elements & minerals

Hernandez OM, Fraga JMG, Jimenez AI, Jimenez F, Arias JJ*// *Univ La Laguna, Fac Quim, Dept Quim Analit Nutr & Bromatol, ES-38071 La Laguna, Tenerife, Spain

Food Chem 2005 **93** (3) 449

Characterization of honey from the Canary Islands: Determination of the mineral content by atomic absorption spectrophotometry

Kumar A, Nair AGC, Reddy AR, Garg AN*// *Indian Inst Technol, Dept Chem, IN-247667 Roorkee, India

J Pharm Biomed Anal 2005 **37** (4) 631

Analysis of essential elements in pragya-peya - A herbal drink and its constituents by neutron activation

Oliveira AP, Neto JAG*, Nobrega JA, Correia PRM, Oliveira PV// *Univ Estadual Paulista, Dept Quim Analit, PO Box 355, BR-14801-970 Araraquara, SP, Brazil

Food Chem 2005 **93** (2) 355

Determination of selenium in nutritionally relevant foods by graphite furnace atomic absorption spectrometry using arsenic as internal standard

Svarc-Gajic JV, Suturovic ZJ, Marjanovic NJ, Kravic SZ// Fac Technol, Dept Appl & Engn Chem, Blvd Cara Lazara 1, YU-24000 Novi Sad, Serbia & Montenegro

Mol Nutr Food Res 2005 **49** (4) 337

Determination of As(III) and As(V) in oilseeds by chronopotentiometric stripping analysis: Development of a method

Zvonimir S, Jaroslava SG*, Nikola M, Sneana K// *Fac Technol, Dept Appl & Engn Chem, Blvd Cara Lazara 1, YU-21000 Novi Sad, Serbia & Montenegro

Food Chem 2005 **92** (4) 771

Development of a chronopotentiometric stripping method for the determination of selenium in mixed diets

8. Drug, biocide & processing residues

Ferrer I, Thurman EM, Fernandez-Alba AR// Univ Almeria, Pesticide Residue Res Grp, ES-04120 Almeria, Spain

Anal Chem 2005 **77** (9) 2818

Quantitation and accurate mass analysis of pesticides in vegetables by LC/TOF-MS

Janouskova E, Krbuskova M, Rehurkova I, Klimova M, Prokes L, Ruprich J// Nat Inst Publ Hlth, Chemie, Ctr Hyg Food Chains, Palackeho 3a, CZ-61242 Brno, Czech Republic

Food Chem 2005 **93** (1) 161

Determination of chlordanes in foods by gas chromatography

Jeong SH, Cho JH*, Park JM, Denison MS// *Natl Vet Res & Quarantine Serv, Div Toxicol, Toxicol Lab, 480 Anyang 6 dong, Anyang 430 016, South Korea

J Anal Toxicol 2005 **29** (3) 156

Rapid bioassay for the determination of dioxins and dioxin-like PCDFs and PCBs in meat and animal feeds

Juan-Garcia A, Font G, Pico Y*// *Univ Valencia, Fac Farm, Lab Bromatol & Toxicol, Av Vincent Andres Estelles s/n, ES-46100 Burjassot, Spain

Electrophoresis 2005 **26** (7-8) 1550

Quantitative analysis of six pesticides in fruits by capillary electrophoresis-electrospray-mass spectrometry

Juan-Garcia A, Pico Y, Font G*// *Address as above

J Chromatogr A 2005 **1073** (1-2) 229

Capillary electrophoresis for analyzing pesticides in fruits and vegetables using solid-phase extraction and stir-bar sorptive extraction

Leepipatiboon N, Sae-Khow O, Jayanta S// Chulalongkorn Univ, Fac Sci, Dept Chem, Chromatogr & Separat Res Grp, 254 Phayathai Rd, TH-10330 Bangkok, Thailand

J Chromatogr A 2005 **1073** (1-2) 331

Simultaneous determination of bisphenol-A-diglycidyl ether, bisphenol-F-diglycidyl ether, and their derivatives in oil-in-water and aqueous-based canned foods by high-performance liquid chromatography with fluorescence detection

Melo LFC, Collins CH, Jardim ICSF*// *State Univ Campinas, Inst Chem, POB 6154, BR-13084-971 Campinas, SP, Brazil

J Chromatogr A 2005 **1073** (1-2) 75

High-performance liquid chromatographic determination of pesticides in tomatoes using laboratory-made NH₂ and C₁₈ solid-phase extraction materials

Sabluyrolles C, Montrejeaud-Vignoles M, Benanou D, Patria L, Treilhou M// UMR 1010 INRA/ENSACET, Lab Chim Agro-Ind, 118 Route Narbonne, FR-31077 Toulouse, France

J Chromatogr A 2005 **1072** (2) 233

Development and validation of methods for the trace determination of phthalates in sludge and vegetables

Santos B, Lista A, Simonet BM, Rios A, Valcarcel M*// *Univ Cordoba, Dept Analyt Chem, Campus Rabanales, Annex Bldg C-3, ES-14071 Cordoba, Spain

Electrophoresis 2005 **26** (7-8) 1567

Screening and analytical confirmation of sulfonamide residues in milk by capillary electrophoresis mass spectrometry

Shelver WL, Kim HJ, Li QX// USDA/ARS, Biosci Res Lab, 1605 Albrecht Blvd, Fargo, ND 58105, USA

J Agric Food Chem 2005 **53** (9) 3273

Development of a monoclonal antibody-based enzyme-linked immunosorbent assay for the β -adrenergic agonist zilpaterol

Yeh CF, Jiang SJ*// *Nat'l Sun Yat Sen Univ, Dept Chem, Kaohsiung 80424, Taiwan

Electrophoresis 2005 **26** (7-8) 1615

Speciation of arsenic compounds in fish and oyster tissues by capillary electrophoresis-inductively coupled plasma-mass spectrometry

9. Toxins/Allergens

Benedetti S, Iametti S, Bonomi F, Mannino S*// *Univ Milan, Dipt Sci & Tecnol Alimentari, Via Celoria 2, IT-20133 Milan, Italy

J Food Prot 2005 **68** (5) 1089

Head space sensor array for the detection of aflatoxin M₁ in raw ewe's milk

Berthiller F, Dall'Asta C, Schuhmacher R*, Lemmens M, Adam G, Kraska R// *Univ Nat Resources & Appl Life Sci, Christian Doppler Lab Mycotoxin Res, Konrad Lorenz Str 20, AT-3430 Tulln, Austria

J Agric Food Chem 2005 **53** (9) 3421

Masked mycotoxins: Determination of a deoxynivalenol glucoside in artificially and naturally contaminated wheat by liquid chromatography-tandem mass spectrometry

Delmulle BS, De Saeger SMDG, Sibanda L, Barna-Vetro I, Van Peteghem CH// State Univ Ghent, Fac Pharmaceut Sci, Lab Food Anal, Harelbekestr 72, BE-9000 Ghent, Belgium

J Agric Food Chem 2005 **53** (9) 3364

Development of an immunoassay-based lateral flow dipstick for the rapid detection of aflatoxin B₁ in pig feed

Hamscher G, Priess B, Nau H, Panariti E// Univ Vet Med Hannover Fdn, Dept Food Toxicol, Bischofscholer Damm 15, DE-30173 Hannover, Germany

Anal Chem 2005 **77** (8) 2421

Determination of colchicine residues in sheep serum and milk using high-performance liquid chromatography combined with electrospray ionization ion trap tandem mass spectrometry

Hayashi Y, Yoshizawa T*// *Kagawa Univ, Fac Agr, Dept Biochem & Food Sci, Miki, Kagawa 761 0795, Japan

Food Chem 2005 **93** (2) 215

Analysis of cyclopiazonic acid in corn and rice by a newly developed method

Kiening M, Niessner R, Drs E, Baumgartner S, Kraska R, Bremer M, Tomkies V, Reece P, Danks C, Immer U, Weller MG*// *Tech Univ Munich, Inst Hydrochem, Marchioninstr 17, DE-81377 Munich, Germany

J Agric Food Chem 2005 **53** (9) 3321

Sandwich immunoassays for the determination of peanut and hazelnut traces in foods

Magliulo M, Mirasoli M, Simoni P, Lelli R, Portanti O, Roda A*//

*University Bologna, Dept Pharmaceut Sci, Via Belmeloro 6, IT-40126 Bologna, Italy

J Agric Food Chem 2005 **53** (9) 3300

Development and validation of an ultrasensitive chemiluminescent enzyme immunoassay for aflatoxin M₁ in milk

Pagliuca G, Zironi E, Ceccolini A, Matera R, Serrazanetti GP, Piva A// Univ Bologna, Dept Vet Publ Hlth & Anim Pathol, Alma Mater Studiorum, Food Hyg & Technol Sect, IT-40064 Ozzano dell'Emilia, Italy

J Chromatogr B 2005 **819** (1) 97

Simple method for the simultaneous isolation and determination of fumonisin B₁ and its metabolite aminopentol-1 in swine liver by liquid chromatography-fluorescence detection

Urraca JL, Benito-Pena E, Perez-Conde C, Moreno-Bondi MC*, Pestka JJ// *Univ Complutense Madrid, Fac Chem, Dept Analyt Chem, Lab Opt Sensors, ES-28040 Madrid, Spain

J Agric Food Chem 2005 **53** (9) 3338

Analysis of zearalenone in cereal and swine feed samples using an automated flow-through immunosensor

10. Additives

Araujo CST, De Carvalho JL, Mota DR, De Araujo CL, Coelho NMM*// *Univ Uberlandia, Inst Chem, Av Joao Naves de Avila 2160, BR-38408-100 Uberlandia, MG, Brazil

Food Chem 2005 **92** (4) 765

Determination of sulphite and acetic acid in foods by gas permeation flow injection analysis

Bittencourt C, Felicissimo P, Pireaux JJ, Houssiau L// Univ Namur, Fac Univ Notre-Dame de la Paix, Lab Interdisciplinaire Spectrosc Electronique, 61 rue Bruxelles, BE-5000 Namur, Belgium

Spectrosc Eur 2005 **17** (2) 16

Study of annatto from *Bixa orellana* seeds: An application of time-of-flight secondary ion mass spectrometry

Guler Z// Mustafa Kemal Univ, Fac Agr, Dept Food Engn, TR-31034 Hatay, Turkey

J Food Qual 2005 **28** (1) 98

Determination of synthetic colorants in confectionery and instant drink powders consumed in Turkey using UV/VIS spectrophotometry

Kranl K, Schlesier K, Bitsch R, Hermann H, Rohe M, Bohm V*// *Friedrich Schiller University Jena, Inst Nutr, Dornburger Str 25-29, DE-07743 Jena, Germany

Food Chem 2005 **93** (1) 171

Comparing antioxidative food additives and secondary plant products - Use of different assays

Puoci F, Garreffa C, Iemma F, Muzzalupo R, Spizzirri UG, Picci N// Univ Calabria, Dipt Sci Pharmaceut, Edificio Polifunzionale, IT-87036 Arcavacata di Rende, Italy

Food Chem 2005 **93** (2) 349

Molecularly imprinted solid phase extraction for detection of Sudan I in food matrices

Saad B, Bari MF, Saleh MI, Ahmad K, Talib MKM// Univ Sains Malaysia, Sch Chem Sci, MY-11800 Penang, Malaysia

J Chromatogr A 2005 **1073** (1-2) 393

Simultaneous determination of preservatives (benzoic acid, sorbic acid, methylparaben and propylparaben) in foodstuffs using high-performance liquid chromatography

11. Flavours & aromas

Howard KL, Mike JH, Riesen R*// *Youngstown State Univ, Dept Biol, Lake Erie Enol Res, 1 Univ Plaza, Youngstown, Oh 44555, USA

Am J Enol Viticult 2005 **56** (1) 37

Validation of a solid-phase microextraction method for headspace analysis of wine aroma components

Ipek E, Zeytinoglu H*, Okay S, Tuyulu BA, Kurcuoglu M, Baser KHC// *Anadolu Univ, Fac Sci, Dept Biol, Mol Biol Sect, TR-26470 Eskisehir, Turkey

Food Chem 2005 **93** (3) 551

Genotoxicity and antigenotoxicity of *Origanum* oil and carvacrol evaluated by Ames *Salmonella*/microsomal test

Jordan MJ, Goodner KL*, Castillo M, Laencina J// *USDA, Citrus & Subtrop Prod Lab, 600 Ave Sth NW, Winter Haven, Fl 33881, USA

J Sci Food Agric 2005 **85** (6) 1065

Comparison of two headspace solid phase microextraction fibres for the detection of volatile chemical concentration changes due to industrial processing of orange juice

Lobo AP, Madrera RR, Alonso JJM*// *Serv Reg Invest & Desarrollo

Agroalimentario, Area Tecnol Alimentos, Apdo 13, ES-33300 Villaviciosa, Spain

J Food Sci 2005 **70** (3) S204

A study of cider distillates using sensory and chromatographic data and chemometric analysis

Marko SD, Dormedy ES*, Fugelsang KC, Dormedy DF, Gump B, Wample RL// *Calif State Univ Fresno, Dept Food Sci & Nutr, Fresno, Ca 93740, USA

Am J Enol Viticult 2005 **56** (1) 46

Analysis of oak volatiles by gas chromatography-mass spectrometry after ozone sanitization

Pena RM, Barciela J, Herrero C, Garcia-Martin S*// *Univ Santiago de Compostela, Fac Ciencias, Dept Quim Analit Nutr & Bromatol, ES-27002 Lugo, Spain

J Sci Food Agric 2005 **85** (7) 1227

Optimization of solid-phase microextraction method for GC-MS determination of terpenes in wine

Rauber CD, Guterres SS, Schapoval EES// Univ Fed Rio Grande do Sul, Fac Farm, Programa Posgrad Ciencias Farmaceut, BR-90160-000 Porto Alegre, RS, Brazil

J Pharm Biomed Anal 2005 **37** (3) 597

LC determination of citral in *Cymbopogon citratus* volatile oil

Schulz H, Baranska M, Quilitzsch R, Schutze W, Losing G// Bundesanstalt Zuchtungsforsch Kulturpflanzen, Inst Pflanzenanalyt, Neuer Weg 22-23, DE-06484 Quedlinburg, Germany

J Agric Food Chem 2005 **53** (9) 3358

Characterization of peppercorn, pepper oil, and pepper oleoresin by vibrational spectroscopy methods

Tat L, Comuzzo P, Stolfo I, Battistutta F// Univ Udine, Dipt Sci Aliment, Sezione Ind Agr, Via Marangoni 97, IT-33100 Udine, Italy

Food Chem 2005 **93** (2) 361

Optimization of wine headspace analysis by solid-phase microextraction capillary gas chromatography with mass spectrometric and flame ionization detection

Wang YY, Finn C, Qian MC*// *Oregon State Univ, Dept Food Sci & Technol, 100 Wiegand Hall, Corvallis, Or 97331, USA

J Agric Food Chem 2005 **53** (9) 3563

Impact of growing environment on Chickasaw blackberry (*Rubus* L) aroma evaluated by gas chromatography olfactometry dilution analysis

Yamazaki Y, Tokunaga T, Okuno T// Aomori Prefectural Agr Prod Proc Ctr, Hiraka, Aomori 036 0102, Japan

J Jpn Soc Food Sci Technol 2005 **52** (4) 160

Quantitative determination of eleven flavor precursors (S-akl(en)yl cysteine derivatives) in garlic with an HPLC method (Japanese, English Abstract)

13. Animal products

Acebal CC, Centurion ME, Lista AG*, Band BSF// *Univ Nac Sur, Dept Chem, FIA Lab, Av Alem 1253, AR-8000 Bahia Blanca, Argentina

Food Chem 2005 **93** (3) 493

A new and fast continuous method for the pre-treatment of dehydrated broth for total creatinine determination

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

Food Chem 2005 **93** (1) 177

Simultaneous determination of caffeine, theobromine, theophylline, paraxanthine and nicotine in human milk by liquid chromatography with diode array UV detection

Dooley JJ, Sage HD, Clarke MAL, Brown HM, Garrett SD*// *Campden & Chorleywood Food Res Assoc, Dept Chem & Biochem, Biochem Sect, Chipping Campden GL55 6LD, England

J Agric Food Chem 2005 **53** (9) 3348

Fish species identification using PCR-RFLP analysis and lab-on-a-chip capillary electrophoresis: Application to detect white fish species in food products and an interlaboratory study

Fantazzini P, Bortolotti V, Garavaglia C, Gombia M, Riccardi S, Schembri P, Virgili R, Bordini CS// Univ Bologna, Dept Phys, IT-40127 Bologna, Italy

Magn Reson Imaging 2005 **23** (2) 359

Magnetic resonance imaging and relaxation analysis to predict noninvasively and nondestructively salt-to-moisture ratios in dry-cured meat

Monti G, De Napoli L, Mainolfi P, Barone R, Guida M, Marino G, Amoresano A// Univ Naples Federico II, Dept Biochem, Naples, Italy

Anal Chem 2005 **77** (8) 2587

Monitoring food quality by microfluidic electrophoresis, gas chromatography, and mass spectrometry techniques; Effects of aquaculture on the sea bass (*Dicentrarchus labrax*)

14. Plant & microbial products

Aman R, Biehl J, Carle R, Conrad J, Beifuss U, Schieber A*// *Hohenheim Univ, Inst Food Technol, Sect Plant Foodstuff Technol, August-von-Hartmann-Str 3, DE-70599 Stuttgart, Germany

Food Chem 2005 **92** (4) 753

Application of HPLC coupled with DAD, APci-MS and NMR to the analysis of lutein and zeaxanthin stereoisomers in thermally processed vegetables

Amaral FM, Caro MSB// Fed Univ Santa Catarina, Anal Ctr/Chem Dept, PO Box 476, BR-88040-900 Florianopolis, SC, Brazil

Food Chem 2005 **93** (3) 507

Investigation of different pre-concentration methods for NMR analyses of Brazilian white wine

Bertrand B, Etienne H, Lashermes P, Guyot B, Davrieux F// CIRAD, TA80-PSI, Blvd Lironde, FR-34398 Montpellier, France

J Sci Food Agric 2005 **85** (6) 955

Can near-infrared reflectance of green coffee be used to detect introgression in *Coffea arabica* cultivars?

Greiner R, Konietzny U, Villavicencio ALCH// Fed Res Ctr Nutr, Ctr Mol Biol, Haid & Neu Str 9, DE-76131 Karlsruhe, Germany

Food Control 2005 **16** (8) 753

Qualitative and quantitative detection of genetically modified maize and soy in processed foods sold commercially in Brazil by PCR-based methods

Hayashi A, Nakayama T, Aoyagi Y, Kimoto K*// *Tokyo Kasei Univ, Dept Nutr Biochem, 1-18-1 Kaga, Itabashi ku, Tokyo 173 8602, Japan

J Jpn Soc Food Sci Technol 2005 **52** (4) 154

Purification of nicotianamine from hayatouri (*Sechium edule*) and estimation of quantitative determination method (Japanese, English Abstract)

Hernandez M, Rodriguez-Lazaro D, Zhang D, Esteve T, Pla M, Prat S*// *IBMB - CSIC, Dept Mol Genet, Ctr Invest Desarrollo, ES-08034 Barcelona, Spain

J Agric Food Chem 2005 **53** (9) 3333

Interlaboratory transfer of a PCR multiplex method for simultaneous detection of four genetically modified maize lines: Bt11, MON810, T25, and GA21

Khatib KA, Herald TJ*, Muino PL// *Kansas State Univ, Inst Food Sci, 216 Call Hall, Manhattan, Ks 66506, USA

Int J Food Sci Technol 2005 **40** (5) 545

The characterization of soybean varieties by fluorescence spectroscopy

Kohler N, Winterhalter P*// *Tech Univ Braunschweig, Inst Food Chem, Schleinitzstr 20, Braunschweig, Germany

J Chromatogr A 2005 **1072** (2) 217

Large-scale isolation of flavan-3-ol phloroglucinol adducts by high-speed counter-current chromatography

Nagah AM, Seal CJ*// *Univ Newcastle upon Tyne, Sch Agr Food & Rural Dev, Human Nutr Res Ctr, Newcastle upon Tyne NE1 7RU, England

J Sci Food Agric 2005 **85** (7) 1177

In vitro procedure to predict apparent antioxidant release from wholegrain foods measured using three different analytical methods

Prasain JK, Moore R, Hurst JS, Barnes S, Van Kuijk FJGM// Univ Alabama, Dept Pharmacol & Toxicol, 456 McCallum Res Bldg, 1918 Univ Blvd, Birmingham, Al 35294, USA

J Mass Spectrom 2005 **40** (7) 916

Electrospray tandem mass spectrometric analysis of zeaxanthin and its oxidation products

Rostagno MA, Palma M*, Barroso CG// *Univ Cadiz, Dept Quim Analit, Grp Invest Quim Analit Vino & Prod Agroalimentarios, Apdo 40, ES-11510 Puerto Real, Cadiz, Spain

Food Chem 2005 **93** (3) 557

Short-term stability of soy isoflavones extracts: Sample conservation aspects

Seo JS, Burri BJ*, Quan ZJ, Neidlinger TR// *Yeungnam Univ, Sch Human Ecol, 214-1 Daedong, Kyongsan 712 749, South Korea

J Chromatogr A 2005 **1073** (1-2) 371

Extraction and chromatography of carotenoids from pumpkin

Tsai TH// Natl Res Inst Chin Med, 155-1 Li Nong St, Taipei 112, Taiwan

J Chromatogr A 2005 **1073** (1-2) 317

Concurrent measurement of unbound genistein in the blood, brain and bile of anesthetized rats using microdialysis and its pharmacokinetic application

Uthayakumaran S, Batey IL, Wrigley CW*// *Value Added Wheat CRC & Food Sci Australia, Nth Ryde, NSW 1670, Australia

J Cereal Sci 2005 **41** (3) 371

On-the-spot identification of grain variety and wheat-quality type by lab-on-a-chip capillary electrophoresis

Wybraniec S// Krakow Tech Univ, Fac Chem Engr & Technol, Inst C-1, Sect Analyt Chem, Ul Warszawska 24, PL-31155 Krakow, Poland

J Agric Food Chem 2005 **53** (9) 3483

Formation of decarboxylated betacyanins in heated purified betacyanin fractions from red beet root (*Beta vulgaris* L) monitored by LC-MS/MS