

## Bibliography of analytical, nutritional and clinical methods

(3 weeks journals. Search completed at 13th April. 2005)

### 1. Books, reviews & symposia

Friedman M// USDA/ARS, Western Reg Res Ctr, 800 Buchanan St, Albany, Ca 94710, USA

*J Chromatogr A* 2004 **1054** (1-2) 143

Analysis of biologically active compounds in potatoes (*Solanum tuberosum*), tomatoes (*Lycopersicon esculentum*), and jimson weed (*Datura stramonium*) seeds

Hernandez-Borges J, Frias-Garcia S, Cifuentes A, Rodriguez-Delgado MA\*// \*Univ La Laguna, Dept Analyt Chem Nutr & Food Sci, ES-38071 Tenerife, Spain

*J Sep Sci* 2004 **27** (12) 947

Pesticide analysis by capillary electrophoresis (Review)

Ross AB, Aman P, Andersson R, Kamal-Eldin A// Nestle Res Ctr, CH-1000 Lausanne 26, Switzerland

*J Chromatogr A* 2004 **1054** (1-2) 157

Chromatographic analysis of alkylresorcinols and their metabolites

Schoefs B// Univ Bourgogne, UMR INRA-1088/CNRS-5148/UB, BP 47870, FR-21078 Dijon, France

*J Chromatogr A* 2004 **1054** (1-2) 217

Determination of pigments in vegetables

Tranchida PQ, Dugo P, Dugo G, Mondello L\*// \*Univ Messina, Fac Farm, Dipt Farmacochim, Viale Annunziata, IT-98168 Messina, Italy

*J Chromatogr A* 2004 **1054** (1-2) 3

Comprehensive two-dimensional chromatography in food analysis (Review)

### 2. General

Adahchour M, Beens J, Vreuls RJJ, Batenburg AM, Brinkman UAT// Vrije Univ Amsterdam, Dept Analyt Chem & Appl Spect, De Boelelaan 1083, NL-1081 HV Amsterdam, The Netherlands

*J Chromatogr A* 2004 **1054** (1-2) 47

Comprehensive two-dimensional gas chromatography of complex samples using a 'reversed-type' column combination: Application to food analysis

Jublot L, Linforth RST, Taylor AJ// Univ Nottingham, Div Food Sci, Samworth Flavour Lab, Sutton Bonington Campus, Loughborough LE12 5RD, England

*J Chromatogr A* 2004 **1056** (1-2) 27

Direct coupling of supercritical fluid extraction to a gas phase atmospheric pressure chemical ionisation source ion trap mass spectrometer for fast extraction and analysis of food components

Kaarls R// CIPM, Klaverwydenstr 13, NL-2381 VX Zoeterwoude, The Netherlands

*Accredit Qual Assur* 2004 **9** (9) 530

The CCQM and comparability and traceability in food analysis (Review)

Lipp M// Monsanto Co, 800 Nth Lindbergh Blvd, St Louis, Mo 63167, USA

*Accredit Qual Assur* 2004 **9** (9) 539

Reference materials - an industry perspective

Ruf JC// Int Off Vine & Wines, 18 rue d'Aguesseau, FR-75008 Paris, France

*Accredit Qual Assur* 2004 **9** (9) 561

Underpinning the credibility of measurement results: How to combine the skills of both the OIV and the international measurement infrastructure

Williams JSE// Campden & Chorleywood Food Res Assoc, Chipping Campden GL55 6LD, England

*Accredit Qual Assur* 2004 **9** (9) 557

Considerations of comparability and traceability for food analysts

Wise SA, Sharpless KE, Sander LC, May WE// Natl Inst Stand & Technol, Div Analyt Chem, 100 Bureau Dr Stop 8392, Gaithersburg, Md 20899, USA

*Accredit Qual Assur* 2004 **9** (9) 543

Standard Reference Materials to support US regulations for nutrients and contaminants in food and dietary supplements

Wood R// Inst Food Res, Food Stand Agcy, Norwich Res Pk, Norwich NR4 7UA, England

*Accredit Qual Assur* 2004 **9** (9) 551

Recent developments at the Codex Alimentarius Commission and the inter-agency meeting with respect to food analysis

### 3. Amino acids, proteins & enzymes

Gomez-Ruiz JA, Ramos M, Recio I\*// \*Inst Fermentacion Ind - CSIC, Juan Cierva 3, ES-28006 Madrid, Spain

*J Chromatogr A* 2004 **1054** (1-2) 269

Identification and formation of angiotensin-converting enzyme-inhibitory peptides in Manchego cheese by high-performance liquid chromatography-tandem mass spectrometry

Gomez-Ruiz JA, Miralles B, Aguera P, Amigo L\*// \*Inst Fermentacion Ind - CSIC, Juan Cierva 3, ES-28006 Madrid, Spain

*J Chromatogr A* 2004 **1054** (1-2) 279

Quantitative determination of  $\alpha_2$ - and  $\alpha_1$ - casein in goat's milk with different genotypes by capillary electrophoresis

Hwang IH, Park BY, Kim JH, Cho SH, Lee JM// Rural Dev Adm, Natl Livestock Res Inst, 564 Omockchun dong, Suwon 441 350, South Korea

*Meat Sci* 2005 **69** (1) 79

Assessment of postmortem proteolysis by gel-based proteome analysis and its relationship to meat quality traits in pig longissimus

Khampha W, Yakovleva J, Isarangkul D, Wiyakrutta S, Meevootisom V, Emneus J\*// \*Lund Univ, Dept Analyt Chem, POB 124, SE-22100 Lund, Sweden

*Anal Chim Acta* 2004 **518** (1-2) 127

Specific detection of L-glutamate in food using flow-injection analysis and enzymatic recycling of substrate

Kjaersgard IVH, Jessen F// Danish Inst Fisheries Res, Dept Seafood Res, Soltofts Plads, Bldg 221, DK-2800 Lyngby, Denmark

*J Agric Food Chem* 2004 **52** (23) 7101

Two-dimensional gel electrophoresis detection of protein oxidation in fresh and tainted rainbow trout muscle

Kwon SW// Univ Texas SW Med Ctr, Port Chem Technol Ctr, 5323 Harry Hines Blvd, Dallas, Tx 75390, USA

*J Agric Food Chem* 2004 **52** (24) 7258

Profiling of soluble proteins in wine by nano-high-performance liquid chromatography/tandem mass spectrometry

Piraino P, Parente E, McSweeney PLH// Univ Basilicata, Dipt Biol-DBAF, IT-85100 Potenza, Italy

*J Agric Food Chem* 2004 **52** (23) 6904

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.

Processing of chromatographic data for chemometric analysis of peptide profiles from cheese extracts: A novel approach

Schmelzer CEH, Schops R, Ulbrich-Hofmann R, Neubert RHH, Raith K\*// \*Univ Halle Wittenberg, Inst Pharmaceut & Biopharmaceut, Wolfgang Langenbeck Str 4, DE-06120 Halle/Saale, Germany

*J Chromatogr A* 2004 **1055** (1-2) 87

Mass spectrometric characterization of peptides derived by peptic cleavage of bovine  $\beta$ -casein

Sentandreu MA, Aubry L, Ouali A\*// \*INRA, SRV, Muscle Biochem Grp, FR-63122 St Genes Champanelle, France

*J Sci Food Agric* 2004 **84** (15) 2052

A rapid purification procedure for cathepsin L from bovine species and production of specific antibodies

Yu PQ, McKinnon JJ, Christensen CR, Christensen DA// Univ Saskatchewan, Coll Agr, 6034 Agr Bldg, 51 Campus Dr, Saskatoon, Saskatchewan, Canada S7N 5A8

*J Agric Food Chem* 2004 **52** (24) 7353

Using synchrotron-based FTIR microspectroscopy to reveal chemical features of feather protein secondary structure: Comparison with other feed protein sources

#### 4. Carbohydrates

Corradini C, Bianchi F, Matteuzzi D, Amoretti A, Rossi M, Zanoni S// Univ Parma, Dipt Chim Gen & Inorgan Chim Analit, Parco Area Sci 17/A, IT-43100 Parma, Italy

*J Chromatogr A* 2004 **1054** (1-2) 165

High-performance anion-exchange chromatography coupled with pulsed amperometric detection and capillary zone electrophoresis with indirect ultra violet detection as powerful tools to evaluate prebiotic properties of fructo-oligosaccharides and inulin

Trebbs D, McGrath JM\*// \*Michigan State Univ, Plant Breeding & Genet Grad Program, Dept Crop & Soil Sci, East Lansing, MI 48824, USA

*J Agric Food Chem* 2004 **52** (23) 6862

Fluorometric sucrose evaluation for sugar beet

#### 5. Lipids

Apprich S, Ulberth F\*// \*European Commiss, DG Joint Res Ctr, IRMM, Retieseweg 111, BE-2440 Geel, Belgium

*J Chromatogr A* 2004 **1055** (1-2) 169

Gas chromatographic properties of common cholesterol and phytosterol oxidation products

Aued-Pimentel S, Lago JHG, Chaves MH, Kumagai EE// Inst Adolfo Lutz, Div Bromatol & Quim, CP 1783, BR-01059-970 Sao Paulo, Brazil

*J Chromatogr A* 2004 **1054** (1-2) 235

Evaluation of a methylation procedure to determine cyclopropanoid fatty acids from *Sterculia striata* St. Hil. et Nauds seed oil

Bonoli M, Bendini A, Cerretani L\*, Lercker G, Toschi TG// \*Univ Bologna, Dipt Sci Alimenti, Piazza Goidanich 60, IT-47023 Cesena, Italy

*J Agric Food Chem* 2004 **52** (23) 7026

Qualitative and semiquantitative analysis of phenolic compounds in extra virgin olive oil as a function of the ripening degree of olive fruits by different analytical techniques

Carrasco-Pancorbo A, Cruces-Blanco C, Segura-Carretero A\*, Fernandez-Gutierrez A// \*Univ Granada, Fac Sci, Dept Analyt Chem, C/ Fuentenueva s/n, ES-18071 Granada, Spain

*J Agric Food Chem* 2004 **52** (22) 6687

Sensitive determination of phenolic acids in extra-virgin olive oil by capillary zone electrophoresis

Del Giovine L, Fabietti F// Ist Super Sanita, Food Lab, Viale Regina Elena 299, IT-00161 Rome, Italy

*Food Control* 2005 **16** (3) 267

Copper chlorophyll in olive oils: Identification and determination by LIF capillary electrophoresis

Dodds ED, McCoy MR, Geldenhuys A, Rea LD, Kennish JM\*// \*Univ Alaska, Dept Chem, 3211 Providence Dr, Anchorage, AK 99508, USA

*J Am Oil Chem Soc* 2004 **81** (9) 835

Microscale recovery of total lipids from fish tissue by accelerated solvent extraction

Fagan P, Wijesundera C\*// \*CSIRO, Food Sci Australia, 671 Sneydes Rd, Werribee, Vic 3030, Australia

*J Chromatogr A* 2004 **1054** (1-2) 241

Liquid chromatographic analysis of milk phospholipids with on-line pre-concentration

Fagan P, Wijesundera C\*, Watkins P// \*Address as above

*J Chromatogr A* 2004 **1054** (1-2) 251

Determination of mono- and di-acylglycerols in milk lipids

Gonzalez-Martin I, Gonzalez-Perez C, Alvarez-Garcia N, Gonzalez-Cabrera JM// Univ Salamanca, Fac CC, Dept Quim Analit Nutr & Bromatol, C/ Plaza Merced s/n, ES-37008 Salamanca, Spain

*Meat Sci* 2005 **69** (2) 243

On-line determination of fatty acid composition in intramuscular fat of Iberian pork loin by NIRs with a remote reflectance fibre optic probe

Guimet F, Boque R, Ferre J// Univ Rovira & Virgili, Dept Analyt Chem & Organ Chem, Pl Imperial Tarraco 1, ES-43005 Tarragona, Spain

*J Agric Food Chem* 2004 **52** (22) 6673

Cluster analysis applied to the exploratory analysis of commercial Spanish olive oils by means of excitation-emission fluorescence spectroscopy

Kang KJ// Korea Food Drug Adm, Dept Food Safety Evaluat, Seoul 122 704, South Korea

*Food Sci Biotechnol* 2004 **13** (5) 662

Detection of adulteration in sesame oil by UV spectrophotometry

Mailer RJ// Wagga Wagga Agr Inst, Wagga Wagga, NSW 2650, Australia

*J Am Oil Chem Soc* 2004 **81** (9) 823

Rapid evaluation of olive oil quality by NIR reflectance spectroscopy

Momchilova S, Tsuji K, Itabashi Y\*, Nikolova-Damyanova B, Kuksis A// \*Hokkaido Univ, Grad Sch Fisheries Sci, Hakodate, Hokkaido 041 861, Japan

*J Sep Sci* 2004 **27** (12) 1033

Resolution of triacylglycerol positional isomers by reversed-phase high-performance liquid chromatography

Morlein D, Rosner F, Brand S, Jenderka KV, Wicke M\*// \*Georg August-Universität Göttingen, FOSVWE, DE-49377 Vechta, Germany

*Meat Sci* 2005 **69** (2) 187

Non-destructive estimation of the intramuscular fat content of the longissimus muscle of pigs by means of spectral analysis of ultrasound echo signals

Sanibal EAA, Mancini J\*// \*Univ Sao Paulo, Sao Paulo, Brazil

*J Am Oil Chem Soc* 2004 **81** (9) 847

Frying oil and fat quality measured by chemical, physical, and test kit analyses

Valeille K, Martin JC\*// \*Univ Paris Sud, Lab Endocrinol Nutr, Bat 447, FR-91405 Orsay, France

*Reprod Nutr Dev* 2004 **445** (5) 459

Complete stereospecific determination of conjugated linoleic acids in triacylglycerol of milk-fat

#### 6. Vitamins & co-factors

Bohrer D, Do Nascimento PC, Ramirez AG, Mendonca JKA, De Carvalho LM, Pombum SCG// Univ Fed Santa Maria, Dept Quim, BR-97105-900 Santa Maria, RS, Brazil

*Microchem J* 2004 **78** (1) 71

Determination of thiamine in blood serum and urine by high-performance liquid chromatography with direct injection and post-column derivatization

Delgado-Zamarreno MM, Bustamante-Rangel M, Sanchez-Perez A, Carabias-Martinez R// Univ Salamanca, Dept Quim Analit Nutr & Bromatol, ES-37008 Salamanca, Spain

*J Chromatogr A* 2004 **1056** (1-2) 249

Pressurized liquid extraction prior to liquid chromatography with electrochemical detection for the analysis of vitamin E isomers in seeds and nuts

Gomez-Coronado DJM, Ibanez E, Ruperez FJ, Barbas C\*// \*Univ San Pablo, Fac CC Expt & Salud, CEU, ES-28668 Madrid, Spain

*J Chromatogr A* 2004 **1054** (1-2) 227

Tocopherol measurement in edible products of vegetable origin

Karpinska J, Mularczyk B// Univ Bialystok, Inst Chem, Ul Hurtowa 1, PL-15399 Bialystok, Poland

*Spectrochim Acta A Mol Biol Spectrosc* 2004 **60** (10) 2189

The analysis of the zero-order and the second derivative spectra of retinol acetate, tocopherol acetate and coenzyme Q<sub>10</sub> and estimation of their analytical usefulness for their simultaneous determination in synthetic mixtures and pharmaceuticals

Li AC, Chen YL, Junga H, Shou WZ, Jiang X, Naidong W\*// \*Covance Labs Inc, 3301 Kinsman Blvd, Madison, WI 53704, USA

*Chromatographia* 2003 **58** (11-12) 723

Separation of nicotinic acid and six metabolites within 60 seconds using high-flow gradient chromatography on silica column with tandem mass spectrometric detection

Pollok D, Melchert HU\*// \*Robert Koch Inst, Seestr 10, DE-13353 Berlin, Germany

*J Chromatogr A* 2004 **1056** (1-2) 257

Determination of  $\alpha$ -tocopherolquinone in human serum samples by liquid chromatography with fluorescence detection and on-line post-column derivatization

## 7. Trace elements & minerals

Barbosa F, Palmer CD, Krug FJ, Parsons PJ\*// \*New York State Dept Hlth, Wadsworth Ctr Labs & Res, POB 509, Albany, NY 12201, USA

*J Anal Atom Spectrom* 2004 **19** (8) 1000

Determination of total mercury in whole blood by flow injection cold vapor atomic absorption spectrometry with room temperature digestion using tetramethylammonium hydroxide

Cerutti S, Orsi RF, Kaplan M, Gasquez JA, Olsina RA, Martinez LD\*// \*Natl Univ San Luis, Fac Chem Biochem & Pharm, Dept Analyt Chem, POB 375, AR-5700 San Luis, Argentina

*Instrum Sci Technol* 2004 **32** (4) 401

On-line preconcentration system for cobalt determination in bee honey using flow injection-flame AAS

Chen J, Huang CZ, Hu B, Jiang ZC\*// \*Wuhan Univ, Dept Chem, CN-430072 Wuhan, Peoples Rep China

*J Agric Food Chem* 2004 **52** (23) 6843

Speciation of aluminum in drink samples by 8-hydroxyquinoline loaded silylanization silica gel microcolumn separation with off-line ICP-MS detection

De Moraes Flores EM, Saidelles APF, De Moraes Flores EL, Mesko MF, Pedroso MP, Dressler VL, Bittencourt CF, Da Costa AB// Univ Fed Santa Maria, Dept Quim, BR-97105-900 Santa Maria, RS, Brazil

*Microchem J* 2004 **77** (2) 113

Determination of copper in medicinal plants used as dietary supplements by atomic absorption spectrometry with direct flame solid analysis

Grant TD, Wuilloud RG, Wuilloud JC, Caruso JA\*// \*Univ Cincinnati, Dept Chem, POB 0172, Cincinnati, Oh 45221, USA

*J Chromatogr A* 2004 **1054** (1-2) 313

Investigation of the elemental composition and chemical association of several elements in fulvic acids dietary supplements by size-exclusion chromatography UV inductively coupled plasma mass spectrometric

Kahakachchi C, Boakye HT, Uden PC\*, Tyson JF// \*Univ Massachusetts, Dept Chem, Lederle Grad Res Tower A 701, 710 Nth Pleasant St, Amherst, Ma 01003, USA

*J Chromatogr A* 2004 **1054** (1-2) 303

Chromatographic speciation of anionic and neutral selenium compounds in Se-accumulating *Brassica juncea* (Indian mustard) and in selenized yeast

Kakimoto S, Ikebe K, Hori S// Osaka Prefectural Inst Publ Hlth, 1-3-69 Nakamichi, Higashinari ku, Osaka 537 0025, Japan

*Shokuhin Eiseigaku Zasshi* 2004 **45** (5) 264

Improved test for the migration of antimony and germanium from polyethylene terephthalate (Japanese, English Abstract)

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

*Shokuhin Eiseigaku Zasshi* 2004 **45** (5) 270

A comparative study of cadmium, lead, mercury, arsenic, selenium, manganese, copper and zinc in brown rice and fish by inductively coupled plasma-mass spectrometry (ICP-MS) and atomic absorption spectrometry (Japanese, English Abstract)

Tondeur WC, Schauer CS, Christofides AL, Asante KP, Newton S, Serfass RE, Zlotkin SH\*// \*Hosp Sick Children, Div Gastroenterol & Nutr, Program Metab, Res Inst, 555 Univ Ave, Toronto, Ontario, Canada M5G 1X8

*Am J Clin Nutr* 2004 **80** (5) 1436

Determination of iron absorption from intrinsically labeled microencapsulated ferrous fumarate (sprinkles) in infants with different iron and hematologic status by using a dual-stable-isotope method

## 8. Drug, biocide & processing residues

Barcelo-Barrachina E, Moyano E, Galceran MT\*// \*Univ Barcelona, Dept Quim Analit, Diagonal 647, ES-08028 Barcelona, Spain

*J Chromatogr A* 2004 **1054** (1-2) 409

Determination of heterocyclic amines by liquid chromatography-quadrupole time-of-flight mass spectrometry

Bogialli S, Curini R, Di Corcia A\*, Lagana A, Nazzari M, Tonci M// \*Univ Roma La Sapienza, Dipt Chim, Piazzale Aldo Moro 5, IT-00185 Rome, Italy

*J Chromatogr A* 2004 **1054** (1-2) 351

Simple and rapid assay for analyzing residues of carbamate insecticides in bovine milk: Hot water extraction followed by liquid chromatography-mass spectrometry

Byun MW, Ahn HJ, Kim JH, Lee JW, Yook HS, Han SB// Korea Atom Energy Res Inst, Team Radiat Food Sci & Biotechnol, POB 105, Taejon 305 353, South Korea

*J Chromatogr A* 2004 **1054** (1-2) 403

Determination of volatile *N*-nitrosamines in irradiated fermented sausage by gas chromatography coupled to a thermal energy analyzer

Caboni P, Sarais G, Melis M, Cabras M, Cabras P\*// \*Univ Cagliari, Dipt Tossicol, Via Ospedale 72, IT-09124 Cagliari, Italy

*J Agric Food Chem* 2004 **52** (22) 6700

Determination of acequinocyl and hydroxyacequinocyl on fruits and vegetables by HPLC-DAD

Chen GY, Liu LS// USDA/ARS, MBRCC, Eastern Reg Res Ctr, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA

*J Agric Food Chem* 2004 **52** (24) 7199

Hyphenation of sorbent extraction and solid-matrix time-resolved luminescence using tetracycline in milk as a model analyte

Choi ID, Byun MW, Kwon JH, Kim DH\*// \*Korea Atom Energy Res Inst, Dept Radiat Food Sci & Biotechnol, Taejon 305 353, South Korea

*Food Sci Biotechnol* 2004 **13** (5) 646

An application of photo-stimulated luminescence (PSL) and electron spin resonance (ESR) analysis for the irradiated spicy vegetables

Cooper KM, Elliott CT, Kennedy DG\*// \*Dept Agr & Rural Dev, Vet Sci Div, Chem Surveillance Dept, Belfast, BT4 3SD, Northern Ireland

*Food Addit Contam* 2004 **21** (9) 841

Detection of 3-amino-2-oxazolidinone (AOZ), a tissue-bound metabolite of the nitrofurantol furazolidone, in prawn tissue by enzyme immunoassay

Delahaut P, Bresseur PY, Dubois M// CER, Lab Hormonol, rue Point du Jour 8, BE-6900 Marloie, Belgium

*J Chromatogr A* 2004 **1054** (1-2) 373

Multiresidue method for the detection of tranquillisers, xylazine, and a  $\beta$ -blocker in animal production by liquid chromatography-tandem mass spectrometry

Garcia RS, Silva ATS, Losada PP\*// \*Univ Santiago de Compostela, Fac Pharm, Dept Analyt Chem Nutr & Bromatol, ES-15782 Santiago de Compostela, Spain

*J Chromatogr A* 2004 **1056** (1-2) 99

Determination of diphenylbutadiene by liquid chromatography-UV-fluorescence in foodstuffs

Guy PA, Royer D, Mottier P, Gremaud E, Perisset A, Stadler RH// Nestec Ltd, Nestle Res Ctr, Dept Qual & Safety Assurance, POB 44, Vers-chez-les-Blanc, CH-1000 Lausanne, Switzerland

*J Chromatogr A* 2004 **1054** (1-2) 365

Quantitative determination of chloramphenicol in milk powders by isotope dilution liquid chromatography coupled to tandem mass spectrometry

Hatano K// Fukuoka City Inst Hyg & Environ, 2-1-134 Jigyohama, Chuo ku, Fukuoka 810 0065, Japan

*Shokuhin Eiseigaku Zasshi* 2004 **45** (5) 239

Simultaneous determination of quinolones in foods by LC/MS/MS (Japanese, English Abstract)

Heller DN, Nochetto CB// US/FDA, Ctr Vet Med, Laurel, Md 20708, USA

*J Agric Food Chem* 2004 **52** (23) 6848

Development of multiclass methods for drug residues in eggs: Silica SPE cleanup and LC-MS/MS analysis of ionophore and macrolide residues

Hyotylainen T, Luthje K, Rautiainen-Rama M, Riekkola ML// Univ Helsinki, Dept Chem, Analyt Chem Lab, POB 55, FI-00014 Helsinki, Finland

*J Chromatogr A* 2004 **1056** (1-2) 267

Determination of pesticides in red wines with on-line coupled microporous membrane liquid-liquid extraction-gas chromatography

Irwin JA, Tolhurst R, Jackson P, Gale KR// CSIRO, Div Plant Ind, GPO Box 1600, Canberra, ACT 2601, Australia

*Food Agric Immunol* 2003 **15** (2) 93

Development of an enzyme-linked immunoabsorbent assay for the detection and quantification of the insecticide tebufenozide in wine

Korkmaz M, Polat M\*// \*Hacettepe Univ, Dept Engn Phys, TR-06532 Ankara, Turkey

*Int J Food Sci Technol* 2004 **39** (9) 975

An electron spin resonance study of radicals induced by radiation in oat (*Avena sativa* L.)

Malavia J, Santos E, Galceran MT\*// \*Univ Barcelona, Dept Quim Analit, Marti & Franques 1-11, ES-08028 Barcelona, Spain

*J Chromatogr A* 2004 **1056** (1-2) 171

Gas chromatography-ion trap tandem mass spectrometry versus GC-high-resolution mass spectrometry for the determination of non-ortho-polychlorinated biphenyls in fish

Mastovska K, Hajslova J, Lehota SJ\*// \*USDA/ARS, Eastern Reg Res Ctr, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA

*J Chromatogr A* 2004 **1054** (1-2) 335

Ruggedness and other performance characteristics of low-pressure gas chromatography-mass spectrometry for the fast analysis of multiple pesticide residues in food crops

Rani BEA, Roshni KR, Pasha A, Karanth NGK// Cent Food Technol Res Inst, Food Protectants & Infestation Control Dept, IN-570013 Mysore, India

*Food Agric Immunol* 2003 **15** (2) 105

Immunoanalysis of endosulphan residues in spices

Riediker S, Rytz A, Stadler RH\*// \*Nestec Ltd, Nestle Prod Technol Ctr Orbe, CH-1350 Orbe, Switzerland

*J Chromatogr A* 2004 **1054** (1-2) 359

Cold-temperature stability of five  $\beta$ -lactam antibiotics in bovine milk and milk extracts prepared for liquid chromatography-electrospray ionization tandem mass spectrometry analysis

Saari L, Peltonen K\*// \*Nat'l Vet & Food Res Inst, Dept Chem, PI 45, FI-00581 Helsinki, Finland

*Food Addit Contam* 2004 **21** (9) 825

Novel source of semicarbazide: Levels of semicarbazide in cooked crayfish samples determined by LC/MS/MS

Samsonova JV, Uskova NA, Andreyuk AN, Franek M, Elliott CT// Moscow MV Lomonosov State Univ, Fac Chem, Dept Chem Enzymol, RU-119992 Moscow, Russia

*Chemosphere* 2004 **57** (8) 975

Biacore biosensor immunoassay for 4-nonylphenols: Assay optimization and applicability for shellfish analysis

Sanchez-Brunete C, Albero B, Tadeo JL\*// \*INIA, Dept Medio Ambiente, Ctra Coruna km 7.5, ES-28040 Madrid, Spain

*J Food Prot* 2004 **67** (11) 2565

High-performance liquid chromatography multiresidue method for the determination of *N*-methyl carbamates in fruit and vegetable juices

Shitandi A, Gathoni K// Swedish Univ Agr Sci, Dept Food Sci, Antibiotic Res Lab, POB 7051, SE-75007 Uppsala, Sweden

*Food Control* 2005 **16** (3) 227

Evaluation of the *Bacillus calidolactis* plate for post screening assay of  $\beta$ -lactam antimicrobial residues in Kenyan dairies

Strachan G, Molloy P, Lamont J, Claissie R, Todd L, Vincent J, Holt D, Dinsmore A, Porter A\*// \*Univ Aberdeen, Inst Med Sci, Dept Mol & Cell Biol, Aberdeen AB25 2ZD, Scotland

*Food Agric Immunol* 2003 **15** (2) 115

Anti-mesotrione single chain antibody fragments derived using either phage display or *via* hybridoma technology: Selection, characterization and stabilization

Strasser A, Uslebar E, Schneider E, Dietrich R, Burk C, Martlbauer E// Univ Munich, Fac Vet, Inst Hyg & Technol Food Anim Origin, Schonleutner Str 8, DE-85764 Oberschleissheim, Germany

*Food Agric Immunol* 2003 **15** (2) 135

Improved enzyme immunoassay for group-specific determination of penicillins in milk

Tomizawa S, Takano I, Kobayashi TM, Tamura Y, Tateishi Y, Sakai N, Kitayama K, Nagayama T, Kamata K, Saito K// Tokyo Metropolitan Inst Publ Hlth, 3-24-1 Hyakunin cho, Shinjuku ku, Tokyo 169 0073, Japan

*Shokuhin Eiseigaku Zasshi* 2004 **45** (5) 259

Identification of unknown peaks in foods during residual pesticide analysis (Japanese, English Abstract)

Zappala A, Fallico B\*, Arena E, Verzera A// \*Univ Catania, Fac Agraria, DOFATA, Via S Sofia 98, IT-95128 Catania, Italy

*Food Control* 2005 **16** (3) 273

Methods for the determination of HMF in honey: A comparison

Zhao FN, Zhang XZ, Gan YR\*// \*Tianjin Univ, Sch Chem Engrg & Technol, Dept Biochem Engrg, CN-300072 Tianjin, Peoples Rep China

*J Chromatogr A* 2004 **1055** (1-2) 109

Determination of tetracyclines in ovine milk by high-performance liquid chromatography with a coulometric electrode array system

Zuin VG, Lopes AL, Yariwake JH, Augusto F\*// \*Univ Estadual Campinas, Inst Quim, Caixa Postal 6154, BR-13084-971 Campinas, SP, Brazil

*J Chromatogr A* 2004 **1056** (1-2) 21

Application of a novel sol-gel polydimethylsiloxane-poly(vinyl alcohol) solid-phase microextraction fiber for gas chromatographic determination of pesticide residues in herbal infusions

## 9. Toxins/Allergens

Anaya I, Ventura M, Agut M, Comellas L// Univ Ramon Llull, Inst Quim Sarria, Dept Quim Analit, Via Augusta 390, ES-08017 Barcelona, Spain

*Afinidad* 2004 **61** (510) 124

Rapid screening method for deoxynivalenol T<sub>2</sub> toxin and diacetoxyscirpenol in maize-based foods by thin layer chromatography

Backlehl M, Ekici P, Leupold G, Coelhan M, Parlar H\*// \*Tech Univ Munchen Weihenstephan, Dept Chem Tech Anal & Chem Food Technol, Weihenstephaner Steig 23, DE-85350 Freising Weihenstephan, Germany

*J Sep Sci* 2004 **27** (12) 1042

Enrichment of the glycoalkaloids  $\alpha$ -solanine and  $\alpha$ -chaconine from potato juice by adsorptive bubble separation using a pH gradient

Canas IR, Hamilton B, Amandi MF, Furey A, James KJ\*// \*Cork Inst Technol, Dept Chem, Mass Spectrometry Ctr, Proteom & Biotoxin Res, PROTEOBIO, Cork, Rep Ireland

*J Chromatogr A* 2004 **1056** (1-2) 253

Nano liquid chromatography with hybrid quadrupole time-of-flight mass spectrometry for the determination of yessotoxin in marine phytoplankton

Dall'Asta C, Sforza S, Galaverna G, Dossena A, Marchelli R\*// \*Univ Parma, Dept Organ & Ind Chem, Parco Area Sci 17/A, IT-43100 Parma, Italy

*J Chromatogr A* 2004 **1054** (1-2) 389

Simultaneous detection of type A and type B trichothecenes in cereals by liquid chromatography-electrospray ionization mass spectrometry using NaCl as cationization agent

Garcia-Villanova RJ, Cordon C, Paramas ANG, Aparicio P, Rosales MEG// Univ Salamanca, Fac Farm, Dept Quim Analit Nutr & Bromatol, Campus Miguel Unamuno, ES-37007 Salamanca, Spain

*J Agric Food Chem* 2004 **52** (24) 7235

Simultaneous immunoaffinity column cleanup and HPLC analysis of aflatoxins and ochratoxin A in Spanish bee pollen

Lu Y, Oshima T, Ushio H\*// \*Tokyo Univ Marine Sci & Technol, Dept Food Sci, 5-7 Konan 4, Tokyo 108 8477, Japan

*J Food Sci* 2004 **69** (8) C652

Rapid detection of fish major allergen parvalbumin by surface plasmon resonance biosensor

Melchert HU, Pabel E// Robert Koch Inst, Bereich Tempelhof, RKI 22, Gen Pape Str 62-66, DE-12101 Berlin, Germany

*J Chromatogr A* 2004 **1056** (1-2) 195

Reliable identification and quantification of trichothecenes and other mycotoxins by electron impact and chemical ionization-gas chromatography-mass spectrometry, using an ion-trap system in the multiple mass spectrometry mode - Candidate reference method for complex matrices

Natale M, Bisson C, Monti G, Peltran A, Garoffo LP, Valentini S, Fabris C, Bertino E, Coscia A, Conti A\*// \*CNR-Inst Sci Food Prod, Sect Torino, Bioind Pk, Via Ribes 5, IT-10010 Colletterto Giacose, TO, Italy

*Mol Nutr Food Res* 2004 **48** (5) 363

Cow's milk allergens identification by two-dimensional immunoblotting and mass spectrometry

Pallaroni L, Von Holst C\*// \*European Commiss, DG Joint Res Ctr, Inst Reference Mat & Measurements, BE-2440 Geel, Belgium

*J Chromatogr A* 2004 **1055** (1-2) 247

Development of an extraction method for the determination of zearalenone in corn using less organic solvents

Puente PF, Saez MJF, Hamilton B, Lehane M, Ramstad H, Furey A, James KJ\*// \*Cork Inst Technol, Dept Chem, Mass Spect Ctr Proteom & Biotoxin Res, PROTEOBIO, Bishopstown, Cork, Rep Ireland

*J Chromatogr A* 2004 **1056** (1-2) 77

Rapid determination of polyether marine toxins using liquid chromatography-multiple tandem mass spectrometry

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

*Electrophoresis* 2004 **25** (20) 3427

Direct automatic determination of biogenic amines in wine by flow injection-capillary electrophoresis-mass spectrometry

Savard ME, Sinha RC, Lau R, Seguin C, Buffam S// AAFC, Eastern Cereal & Oilseeds Res Ctr, Ottawa, Ontario, Canada K1A 0C6

*Food Agric Immunol* 2003 **15** (2) 127

Monoclonal antibodies for fumonisins B<sub>1</sub>, B<sub>2</sub> and B<sub>3</sub>

Suga K, Mochizuki N\*, Yamashita H// \*Asahi Brewery Co Ltd, 1-1-21 Midori, Moriya shi, Ibaraki 302 0106, Japan

*Shokuhin Eiseigaku Zasshi* 2004 **45** (5) 255

Analysis of fumonisin B<sub>1</sub> and B<sub>2</sub> in beer and raw materials of beer by liquid chromatography/tandem mass spectrometry (Japanese, English Abstract)

Tabata S, Iida K, Suzuki J, Kimura K, Ibe A, Saito K// Tokyo Metropolitan Inst Publ Hlth, 3-24-1 Hyakunin cho, Shinjuku ku, Tokyo 169 0073, Japan  
*Shokuhin Eiseigaku Zasshi* 2004 **45** (5) 245  
A quantification and confirmation method of patulin in apple juice by GC/MS (Japanese, English Abstract)

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Demiralay EC, Ozkan G\*// \*Suleyman Demirel Univ, Fac Sci & Literature, Dept Chem, TR-32260 Isparta, Turkey  
*Chromatographia* 2004 **60** (9-10) 579

Optimization strategy for isocratic separation of  $\alpha$ -aspartame and its breakdown products by reversed phase liquid chromatography

Garcia-Falcon MS, Simal-Gandara J\*// \*Univ Vigo, Fac Food Sci & Technol, Analyt & Food Chem Dept, Nutr & Bromatol Grp, Ourense Campus, ES-32004 Ourense, Spain  
*Food Control* 2005 **16** (3) 293

Determination of food dyes in soft drinks containing natural pigments by liquid chromatography with minimal clean-up

Gosetti F, Gianotti V, Angioi S, Polati S, Marengo E, Gennaro MC\*// \*Univ Piemonte Orientale Amedeo Avogadro, Dipt Sci Ambientali & Vita, Spalto Marrengo 33, IT-15100 Alessandria, Italy  
*J Chromatogr A* 2004 **1054** (1-2) 379

Oxidative degradation of food dye E133 Brilliant Blue FCF. Liquid chromatography-electrospray mass spectrometry identification of the degradation pathway

Weisz A, Andrzejewski D, Rasooly RR// US/FDA, Ctr Food Safety & Appl Nutr, Off Cosmet & Colors, Chantilly, Va, USA  
*J Chromatogr A* 2004 **1057** (1-2) 185

Determination of 2,4,6-tribromoaniline in the color additives D&C Red Nos. 21 and 22 (Eosin Y) using solid-phase microextraction and gas chromatography-mass spectrometry

## 11. Flavours & aromas

Aishima T// Chemometr & Sensometr Lab, 1-197 Sengen cho, Omiya ku, Omiya, Saitama 330 0842, Japan  
*J Chromatogr A* 2004 **1054** (1-2) 39

Correlating sensory attributes to gas chromatography-mass spectrometry profiles and e-nose responses using partial least squares regression analysis

Angerosa F, Servili M\*, Selvaggini R, Taticchi A, Esposto S, Montedoro G// \*Univ Perugia, Dipt Sci Alimenti, Sez Tecnol & Biotecnol Alimenti, Via S Costanzo, IT-06126 Perugia, Italy  
*J Chromatogr A* 2004 **1054** (1-2) 17

Volatile compounds in virgin olive oil: Occurrence and their relationship with the quality

Balasubramanian S, Panigrahi S\*, Logue CM, Marchello M, Doetkott C, Gu H, Sherwood J, Nolan L// \*1221 Albrecht Blvd, POB 5026, Fargo, ND 58105, USA  
*Trans ASAE* 2004 **47** (5) 1625

Spoilage identification of beef using an electronic nose system

Caja MM, Blanch GP, Herraiz M, Del Castillo MLR\*// \*Inst Fermentacion Ind - CSIC, Juan Cierva 3, ES-28006 Madrid, Spain  
*J Chromatogr A* 2004 **1054** (1-2) 81

On-line reversed-phase liquid chromatography-gas chromatography coupled to mass spectrometry for enantiomeric analysis of chiral compounds in fruit beverages

Diaz-Maroto MC, Sanchez-Palomo E, Perez-Coello MS// Univ Castilla La Mancha, Fac Ciencias Quim, Area Tecnol Alimentos, Avda Camilo Jose Cela 10, ES-13071 Ciudad Real, Spain  
*J Agric Food Chem* 2004 **52** (23) 6857

Fast screening method for volatile compounds of oak wood used for aging wines by headspace SPME-GC-MS (SIM)

Gomez-Ariza JL, Garcia-Barrera T, Lorenzo F// Univ Huelva, Fac Ciencias Expt, Dept Quim & Ciencias Mat, Campus El Carmen, ES-21007 Huelva, Spain  
*J Chromatogr A* 2004 **1056** (1-2) 243

Dynamic headspace couples to prepreparation for the analysis of anisoles in wine by gas chromatography-ion-trap tandem mass spectrometry

Hallier A, Courcoux P, Serot T, Prost C// ENITIAA, Food Aroma Qual Res, rue Gerardiére, BP 82225, FR-44322 Nantes, France  
*J Chromatogr A* 2004 **1056** (1-2) 201

New gas chromatography-olfactometric investigative method, and its application to cooked *Silurus glanis* (European catfish) odor characterization

Hernandez P, Guerrero L, Ramirez J, Mekki W, Pla M, Arino B, Ibanez N, Blasco A// Univ Politecn Valencia, Dept Ciencia Anim, POB 22012, ES-46071 Valencia, Spain  
*Meat Sci* 2005 **69** (1) 123

A Bayesian approach to the effect of selection for growth rate on sensory meat quality of rabbit

Marti MP, Busto O, Guasch J\*// \*Univ Rovira & Virgili, Fac Enol, Dept Quim Analit & Quim Organ, Unitat Enol, CeRTA, ES-43005 Tarragona, Spain  
*J Chromatogr A* 2004 **1057** (1-2) 211

Application of a headspace mass spectrometry system to the differentiation and classification of wines according to their origin, variety and ageing

Martinez-Urunuela A, Gonzalez-Saiz JM, Pizarro C\*// \*Univ La Rioja, Dept Chem, C/ Madre de Dios 51, ES-26006 La Rioja, Spain  
*J Chromatogr A* 2004 **1056** (1-2) 49

Optimization of a headspace solid-phase microextraction method for the direct determination of chloroanisoles related to cork taint in red wine

Ryan D, Shellie R, Tranchida P, Casilli A, Mondello L, Marriott P\*// \*RMIT Univ, Sch Appl Sci, GPO Box 2476V, Melbourne, Vic 3001, Australia  
*J Chromatogr A* 2004 **1054** (1-2) 57

Analysis of roasted coffee bean volatiles by using comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry

Van Ruth SM// Natl Univ Ireland, Univ Coll Cork, Dept Food & Nutr Sci, Western Rd, Cork, Rep Ireland  
*J Chromatogr A* 2004 **1054** (1-2) 33

Evaluation of two gas chromatography-olfactometry methods: The detection frequency and perceived intensity method

Wampfler DJ, Howell GS\*// \*Michigan State Univ, A-40 Plant & Soil Sci Bldg, East Lansing, MI 48824, USA  
*Am J Enol Viticult* 2004 **55** (3) 276

Simplified method for detection and quantification of 2-methoxy-3-isobutylpyrazine in wine

Zhang JM, Brodbelt JS\*// \*Univ Texas, Dept Chem & Biochem, Univ Stn A5300, Austin, TX 78712, USA  
*Analyst* 2004 **129** (12) 1227

Screening flavonoid metabolites of naringin and narirutin in urine after human consumption of grapefruit juice by LC-MS and LC-MS/MS

## 13. Animal products

Aida AA, Man YBC\*, Wong CMVL, Raha AR, Son R// \*UPM, Fac Food Sci & Biotechnol, Dept Food Technol, MY-43400 Serdang, Malaysia  
*Meat Sci* 2005 **69** (1) 47

Analysis of raw meats and fats of pigs using polymerase chain reaction for halal authentication

Baroni MV, Chiabrando GA, Costa C, Fagundez GA, Wunderlin DA\*// \*Univ Nacl Cordoba-CONICET, Fac Ciencias Quim, Dept Bioquim Clin CIBICI, Ciudad Univ, AR-5000 Cordoba, Argentina  
*J Agric Food Chem* 2004 **52** (24) 7222

Development of a competitive ELISA for the evaluation of sunflower pollen in honey samples

Lima MJR, Fernandes SMV, Rangel AOSS\*// \*Univ Catolica Portuguesa, Escola Super Biotecnol, R Dr Antonio Bernardino, PT-4200-072 Oporto, Portugal  
*J Agric Food Chem* 2004 **52** (23) 6887

Enzymatic determination of urea in milk by sequential injection with spectrophotometric and conductometric detection

Nilsen H, Esaiassen M// Norwegian Inst Fisheries & Aquaculture Res, POB 6122, NO-9291 Tromsø, Norway  
*Lebensm-Wiss Technol-Food Sci* 2005 **38** (1) 95

Predicting sensory score of cod (*Gadus morhua*) from visible spectroscopy

Swatland HJ// Univ Guelph, Dept Anim & Poultry Sci, Guelph, Ontario, Canada N1G 2W1  
*Can J Anim Sci* 2004 **84** (3) 385

Fiber-optic spectrophotometry of streaking in pork loins injected with sodium chloride and tripolyphosphate

Uddin M, Okazaki E// Natl Res Inst Fisheries Sci, Div Food Technol & Biochem, 2-12-4 Fukuura, Yokohama, Kanagawa 236 864, Japan  
*J Food Sci* 2004 **69** (8) C665

Classification of fresh and frozen-thawed fish by near-infrared spectroscopy

Vestergaard C, Erbou SG, Thauland T, Adler-Nissen J, Berg P// Tech Univ Denmark, Food Biotechnol & Engrn Grp, Biocentrum, Soltofts Plads 221, DK-2800 Lyngby, Denmark  
*Meat Sci* 2005 **69** (1) 9

Salt distribution in dry-cured ham measured by computed tomography and image analysis

Viljoen M, Hoffman LC, Brand TS\*// \*Elsenburg Agr Res Ctr, Dept Anim Sci, Private Bag 11, ZA-7607 Elsenburg, Rep Sth Africa  
*Meat Sci* 2005 **69** (2) 255

Prediction of the chemical composition of freeze dried ostrich meat with near infrared reflectance spectroscopy

Wetterskog D, Undeland I\*// \*Chalmers Univ Technol, Dept Food Sci, POB 5401, SW-40229 Gothenburg, Sweden  
*J Agric Food Chem* 2004 **52** (24) 7214

Loss of redness (a\*) as a tool to follow hemoglobin-mediated lipid oxidation in washed cod mince

#### 14. Plant & microbial products

Alcalde-Eon C, Saavedra G, De Pascual-Teresa S, Rivas-Gonzalo JC\*// \*Univ Salamanca, Fac Farm, Unidad Nutr & Bromatol, Campus Miguel Unamuno, ES-37007 Salamanca, Spain

*J Chromatogr A* 2004 **1054** (1-2) 211

Liquid chromatography-mass spectrometry identification of anthocyanins of isla oca (*Oxalis tuberosa*, Mol.) tubers

Bonoli M, Marconi E, Caboni MF\*// \*Univ Bologna, Dipt Sci Alimenti, Piazza G Goianich 60, IT-47023 Cesena, FC, Italy

*J Chromatogr A* 2004 **1057** (1-2) 1

Free and bound phenolic compounds in barley (*Hordeum vulgare* L.) flours - Evaluation of the extraction capability of different solvent mixtures and pressurized liquid methods by micellar electrokinetic chromatography and spectrophotometry

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

*J Agric Food Chem* 2004 **52** (23) 6868

Liquid chromatography-electrospray tandem mass spectrometry of *cis*-resveratrol and transresveratrol: Development, validation, and application of the method to red wine, grape and winemaking byproducts

Chang Q, Wong YS\*// \*Chinese Univ Hong Kong, Dept Biol, Lab Food Prot Prod, Shatin, Hong Kong, Peoples Rep China

*J Agric Food Chem* 2004 **52** (22) 6694

Identification of flavonoids in hakmeitau beans (*Vigna sinensis*) by high-performance liquid chromatography-electrospray mass spectrometry (LC-ESI/MS)

Chen JP, Tai CY, Chen BH\*// \*Fu Jen Catholic Univ, Dept Nutr & Food Sci, Taipei 242, Taiwan

*J Chromatogr A* 2004 **1054** (1-2) 261

Improved liquid chromatographic method for determination of carotenoids in Taiwanese mango (*Mangifera indica* L.)

Da Costa RS, Santos SRB, Almeida LF, Nascimento ECL, Pontes MJC, Lima RAC, Simoes SS, Araujo MCU\*// \*Univ Fed Paraiba, CCEN, Dept Quim, POB 5093, BR-58051-970 Joao Pessoa, Paraiba, Brazil

*Microchem J* 2004 **78** (1) 27

A novel strategy to verification of adulteration in alcoholic beverages based on Schlieren effect measurements and chemometric techniques

De Villiers A, Vanhoenacker G, Majek P, Sandra P\*// \*University Stellenbosch, Dept Chem, Censsus, Private Bag 11, ZA-7602 Matieland, Rep Sth Africa

*J Chromatogr A* 2004 **1054** (1-2) 195

Determination of anthocyanins in wine by direct injection liquid chromatography-diode array detection-mass spectrometry and classification of wines using discriminant-analysis

Di Paola-Naranjo RD, Sanchez-Sanchez J, Gonzalez-Paramas AM, Rivas-Gonzalo JC\*// \*Univ Salamanca, Fac Farm, Unidad Nutr & Bromatol, Campus Miguel Unamuno, ES-37007 Salamanca, Spain

*J Chromatogr A* 2004 **1054** (1-2) 205

Liquid chromatographic-mass spectrometric analysis of anthocyanin composition of dark blue bee pollen from *Echium plantagineum*

Fernandes EN, De Campos Moura MN, Lima JLFC, Reis BF\*// \*Univ Sao Paulo, Ctr Energia Nucl Agr, Avda Centenario 303, POB 96, BR-13400-970 Piracicaba, SP, Brazil

*Microchem J* 2004 **77** (2) 107

Automatic flow procedure for the determination of glycerol in wine using enzymatic reaction and spectrophotometry

Frerot E, Decorzant E// Firmenich Co, Corp R&D Div, POB 239, CH-1211 Geneva 8, Switzerland

*J Agric Food Chem* 2004 **52** (23) 6879

Quantification of total furocoumarins in citrus oils by HPLC coupled with

UV, fluorescence, and mass detection

Garcia AA, Grande BC, Gandara JS\*// \*Univ Vigo, Fac Food Sci & Technol, Analyt & Food Chem Dept, Nutr & Bromatol Grp, Ourense Campus, ES-32004 Ourense, Spain

*J Chromatogr A* 2004 **1054** (1-2) 175

Development of a rapid method based on solid-phase extraction and liquid chromatography with ultraviolet absorbance detection for the determination of polyphenols in alcohol-free beers

Hong Y, Mitchell AE\*// \*Univ Calif Davis, Dept Food Sci & Tehnol, 1 Shields Ave, Davis, Ca 95616, USA

*J Agric Food Chem* 2004 **52** (22) 6794

Metabolic profiling of flavonol metabolites in human urine by liquid chromatography and tandem mass spectrometry

Kuti T, Hegyi A, Kemeny S\*// \*Muegyetem Rakpart 3, HU-1111 Budapest, Hungary

*Chemometr Intell Lab Syst* 2004 **72** (2) 253

Analysis of sensory data of different food products by ANOVA

Lapornik B, Wondra AG, Prosek M// Natl Inst Chem, Food Chem Lab, Hajdrihova 19, SI-1000 Ljubljana, Slovenia

*J Planar Chromatogr Mod TLC* 2004 **17** (3) 207

Comparison of TLC and spectrophotometric methods for evaluation of the antioxidant activity of grape and berry anthocyanins

Naczk M, Shahidi F\*// \*Mem Univ Newfoundland, Dept Biochem, St Johns, Newfoundland, Canada A1B 3X9

*J Chromatogr A* 2004 **1054** (1-2) 95

Extraction and analysis of phenolics in food

Peano C, Samson MC, Palmieri L, Gulli M, Marmiroli N\*// \*Univ Parma, Dept Environm Sci, Parco Area Sci 11/A, IT-43100 Parma, Italy

*J Agric Food Chem* 2004 **52** (23) 6962

Qualitative and quantitative evaluation of the genomic DNA extracted from GMO and non-GMO foodstuffs with four different extraction methods

Ramirez P, Senorans FJ, Ibanez E\*, Reglero G// \*Inst Fermentacion Ind - CSIC, Dept Caracterizacion Alimentos, Juan Cierva 3, ES-26008 Madrid, Spain

*J Chromatogr A* 2004 **1057** (1-2) 241

Separation of rosemary antioxidant compounds by supercritical fluid chromatography on coated packed capillary columns

Reid LM, O'Donnell CP, Kelly JD, Downey G// Univ Dublin Trinity Coll, Dept Biosyst Engn, Dublin 2, Rep Ireland

*J Agric Food Chem* 2004 **52** (23) 6891

Preliminary studies for the differentiation of apple juice samples by chemometric analysis of solid-phase microextraction-gas chromatographic data

Seregely Z, Deak T, Bisztray GD// Budapest Univ Econ Sci & Publ Adm, Fac Food Sci, Dept Refrigeration & Livestock Prod Technol, HU-1118 Budapest, Hungary

*Chemometr Intell Lab Syst* 2004 **72** (2) 195

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Szrednicki G, Craske J, Nimmuntavin C, Mantais LG, Wattananon S// Univ New Sth Wales, Sch Chem Sci, Sydney, NSW 2052, Australia

*J Sci Food Agric* 2004 **84** (15) 2041

Determination of ergosterol in paddy rice using solid phase extraction

Sung MW, Li PCH\*// \*Simon Fraser Univ, Dept Chem, Burnaby, Brit Columbia, Canada V5A 1S6

*Electrophoresis* 2004 **25** (20) 3434

Chemical analysis of raw, dry-roasted, and honey-roasted licorice by capillary electrophoresis

Vallejo F, Tomas-Barberan FA, Ferreres F\*// \*CEBAS - CSIC, Dept Food Sci & Technol, Res Grp Qual Safety & Bioact Plant Foods, POB 164, ES-30100 Murcia, Spain

*J Chromatogr A* 2004 **1054** (1-2) 181

Characterisation of flavonols in broccoli (*Brassica oleracea* L. var. *italica*) by liquid chromatography-UV diode-array detection-electrospray ionisation mass spectrometry

Vidal S, Meudec E, Cheynier V, Skouroumounis G, Hayasaka Y\*// \*Australian Wine Res Inst, POB 197, Glen Osmond, SA 5064, Australia

*J Agric Food Chem* 2004 **52** (23) 7144

Mass spectrometric evidence for the existence of oligomeric anthocyanins in grape skins

Yu P, Christensen DA, Christensen CR, Drew MD, Rossnagel BG, McKinnon JJ\*// \*Univ Saskatchewan, Dept Anim & Poultry Sci, 51 Campus Dr, Saskatoon, Saskatchewan, Canada S7N 5A8

*Can J Anim Sci* 2004 **84** (3) 523

Use of synchrotron FTIR microspectroscopy to identify chemical differences in barley endosperm tissue in relation to rumen degradation characteristics