

## Bibliography of analytical, nutritional and clinical methods

(2 weeks journals. Search completed at 16th Nov. 2005)

### 1. Books, reviews & symposia

- Akiyama H, Matsuda R// Natl Inst Hlth Sci, 1-18-1 Kamiyoga, Setagaya ku, Tokyo 158 8501, Japan  
*J Food Hyg Soc Jpn* 2005 **46** (3) J203  
Consideration of detection method and identification for genetically modified foods (Japanese, English Abstract)
- Dostalek P, Branyik T// Vysoka Skola Chem Technol, Fak Potravinarske Biochem Technol, Ustav Kvasne Chem Bioinzenyrstvi, CZ-16628 Prague 6, Czech Republic  
*Czech J Food Sci* 2005 **23** (3) 85  
Prospects for rapid bioluminescent detection methods in the food industry - A review
- Hyun TH, Tamura T// \*Univ Alabama, Dept Nutr Sci, 455 Webb, 1675 Univ Blvd, Birmingham, Al 35294, USA  
*Exp Biol Med* 2005 **230** (7) 444  
Trienzyme extraction in combination with microbiologic assay in food folate analysis: An updated review

### 4. Carbohydrates

- Carneiro JMT, Dias ACB, Zagatto EAG, Santos JLM, Lima JLFC// Univ Sao Paulo, Ctr Energia Nucl Agr, BR-13400-970 Piracicaba, SP, Brazil  
*Anal Chim Acta* 2005 **531** (2) 279  
An improved sampling approach in multi-pumping flow systems applied to the spectrophotometric determination of glucose and fructose in syrups
- Chu QC, Fu L, Guan YQ, Ye JN// \*China Normal Univ, Dept Chem, CN-200062 Shanghai, Peoples Rep China  
*J Sep Sci* 2005 **28** (3) 234  
Fast determination of sugars in Coke and Diet Coke by miniaturized capillary electrophoresis with amperometric detection
- Cordella C, Militao JSLT, Clement MC, Drajnudel P, Cabrol-Bass D// \*Univ Nice, Dept Chem, Lab Aromes Synth Interact, 28 Ave Valrose, FR-06108 Nice 2, France  
*Anal Chim Acta* 2005 **531** (2) 239  
Detection and quantification of honey adulteration *via* direct incorporation of sugar syrups or bee-feeding: Preliminary study using high-performance anion exchange chromatography with pulsed amperometric detection (HPAEC-PAD) and chemometrics
- Liu Q, Lu X, Yada R// Agr & Agri-Food Canada, Food Res Program, 93 Stone Rd West, Guelph, Ontario, Canada N1G 5C9  
*J Therm Anal Calorim* 2005 **79** (1) 13  
The effect of various potato cultivars at different times during growth on starch content determined by DSC

### 5. Lipids

- Delmonte P, Kataoka A, Corl BA, Bauman DE, Yurawecz MP// \*Food & Drug Admin, Center Food Safety & Applied Nutrition, College Park, Md 20740, USA  
*Lipids* 2005 **40** (5) 509  
Relative retention order of all isomers of *cis/trans* conjugated linoleic acid

- FAME from the 6,8- to 13,15-positions using silver ion HPLC with two elution systems
- Guillen MD, Ruiz A// Univ Pais Vasco, Fac Farm, Paseo Univ 7, ES-01006 Vitoria, Spain  
*J Am Oil Chem Soc* 2005 **82** (5) 349  
Study of proton nuclear magnetic resonance of the thermal oxidation of oils rich in oleic acyl groups
- Hui SP, Murai T, Yoshimura T, Chiba H, Nagasaka H, Kurosawa T// Hlth Sci Univ Hokkaido, Fac Pharmaceut Sci, Ishikari, Hokkaido 061 029, Japan  
*Lipids* 2005 **40** (5) 515  
Improved HPLC assay for lipid peroxides in human plasma using the internal standard of hydroperoxide
- Kays SE, Archibald DD, Sohn M// USDA/ARS, Qual Assessment Res Unit, Russell Res Ctr, 950 Coll Stn Rd, Athens, Ga 30605, USA  
*J Sci Food Agric* 2005 **85** (9) 1596  
Prediction of fat in intact cereal food products using near-infrared reflectance spectroscopy
- Laakso P// Raisio Benecol Ltd, POB 101, FI-21201 Raisio, Finland  
*Eur J Lipid Sci Technol* 2005 **107** (6) 402  
Analysis of sterols from various food matrices
- Lau HLN, Puah CW, Choo YM\*, Ma AN, Chuah CH// \*Malaysian Palm Oil Board, 6 Persiaran Inst, MY-43000 Kajang, Selangor, Malaysia  
*Lipids* 2005 **40** (5) 523  
Simultaneous quantification of free fatty acids, free sterols, squalene, and acylglycerol molecular species in palm oil by high-temperature gas chromatography-flame ionization detection
- Martini S, Bertoli C, Herrera ML, Neeson I, Marangoni A// \*Univ Guelph, Dept Food Sci, Guelph, Ontario, Canada N1G 2W1  
*J Am Oil Chem Soc* 2005 **82** (5) 305  
*In situ* monitoring of solid fat content by means of pulsed nuclear magnetic resonance spectrometry and ultrasonics
- Martini S, Herrera ML, Marangoni A// \*Univ Guelph, Dept Food Sci, Guelph, Ontario, Canada N1G 2W1  
*J Am Oil Chem Soc* 2005 **82** (5) 313  
New technologies to determine solid fat content on-line
- Solis-Fuentes JA, Hernandez-Medel MD, Duran-de-Bazua MD// Univ Veracruzana, Inst Ciencias Basicas, Av Dos Vistas s/n, Carretera Xalapa-Las Trancas, ES-91000 Xalapa, Mexico  
*Eur J Lipid Sci Technol* 2005 **107** (6) 395  
Determination of the predominant polymorphic form of a mango (*Mangifera indica*) almond fat by differential scanning calorimetry and X-ray diffraction
- Stepanyan V, Arnous A, Petrakis C, Kefalas P\*, Calokerinos A// \*Mediterranean Agron Inst Chania, POB 85, GR-73100 Chania, Crete, Greece  
*Talanta* 2005 **65** (4) 1056  
Chemiluminescent evaluation of peroxide value in olive oil

### 6. Vitamins & co-factors

- Andreu Y, De Marcos S, Castillo JR, Galban J// \*Univ Zaragoza, Fac Sci, Analyt Chem Dept, Anal Spectrosc & Sensors Grp, ES-50009 Zaragoza, Spain  
*Talanta* 2005 **65** (4) 1045  
Sensor film for vitamin C determination based on absorption properties of polyaniline

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.

Dueker SR, Lame M, Lin YM, Clifford AJ, Buchholz BA, Vogel JS// Univ Calif Davis, Dept Nutr, Davis, Ca 95616, USA  
*Trends Food Sci Technol* 2005 **16** (6-7) 267

Traditional and accelerator mass spectrometry for quantitation of human folate pools

Leporati A, Catellani D, Suman M, Andreoli R, Manini P, Niessen WMA// Barilla G&R Fratelli SpA, R&D, Cent Res Lab, Via Mantova 166, IT-43100 Parma, Italy

*Anal Chim Acta* 2005 **531** (1) 87

Application of a liquid chromatography tandem mass spectrometry method to the analysis of water-soluble vitamins in Italian pasta

Pakin C, Bergaentzle M, Aoude-Werner D, Hasselmann C\*// \*Fac Pharm, Lab Chim Analyt & Sci Aliment, UMR 7512, 74 Route Rhin, BP 60024, FR-67401 Illkirch, France

*J Chromatogr A* 2005 **1081** (2) 182

$\alpha$ -Ribazole, a fluorescent marker for the liquid chromatographic determination of vitamin B<sub>12</sub> in foodstuffs

Pauliukaite R, Ghica ME, Brett CMA\*// \*Univ Coimbra, Dept Quim, PT-3004-535 Coimbra, Portugal

*Anal Bioanal Chem* 2005 **381** (4) 972

A new, improved sensor for ascorbate determination at copper hexacyanoferrate modified carbon film electrodes

Priego-Capote F, De Castro MDL// Univ Cordoba, Dept Analyt Chem, Annex C-3, Campus Rabanales, ES-14071 Cordoba, Spain

*Electrophoresis* 2005 **26** (12) 2376

Determination of B<sub>2</sub> and B<sub>6</sub> vitamins in serum by capillary electrophoresis-molecular fluorescence charge coupled detector

Zhang ZQ, Tang Y// Shaanxi Normal Univ, Sch Chem & Mat Sci, CN-710062 Xian, Peoples Rep China

*Anal Bioanal Chem* 2005 **381** (4) 932

Solid-phase reactor flow-injection on-line oxidizing spectrofluorimetry for determination and dissolution studies of folic acid

## 7. Trace elements & minerals

Alexiu V, Vladescu L// Magistra C&C, 9th Aviator Belghiru St, RO-900133 Constanta, Romania

*Anal Sci* 2005 **21** (2) 137

Optimization of a chemical modifier in the determination of selenium by graphite furnace atomic absorption spectrometry and its application to wheat and wheat flour analysis

Amorim FAC, Ferreira SLC\*// \*Univ Fed Bahia, Inst Quim Nucl Excelencia Quim Anal Bahia, Grp Pesquisa Quim Anal, BR-40170-290 Salvador, BA, Brazil

*Talanta* 2005 **65** (4) 960

Determination of cadmium and lead in table salt by sequential multi-element flame atomic absorption spectrometry

Anzano JM, Ruiz-Gil M// Univ Zaragoza, Fac Sci, Dept Analyt Chem, Pedro Cerbuna 12, ES-50009 Zaragoza, Spain

*At Spectrosc* 2005 **26** (1) 28

Comparison of microwave acid digestion with the wet digestion and ashing methods for the determination of Fe, Mn, and Zn in food samples by flame AAS

Cabanero AI, Madrid Y \*, Camara C// \*Univ Complutense Madrid, Fac Ciencias Quim, Dept Quim Analit, Ciudad Univ s/n, ES-28040 Madrid, Spain

*Anal Bioanal Chem* 2005 **381** (2) 373

Enzymatic probe sonication extraction of Se in animal-based food samples: A new perspective on sample preparation for total and Se speciation analysis

Cava-Montesinos P, Cervera ML, Pastor A, De la Guardia M\*// \*Univ Valencia, Dept Analyt Chem, 502 Dr Moliner St, ES-46100 Valencia, Spain

*Anal Chim Acta* 2005 **531** (1) 111

Room temperature acid sonication ICP-MS multielemental analysis of milk

Chen ZS, Griffin IJ, Plumlee LM, Abrams SA// Baylor Coll Med, Dept Pediat, USDA/ARS Childrens Nutr Res Ctr, Houston, Tx 77030, USA

*J Nutr* 2005 **135** (7) 1790

High resolution inductively coupled plasma mass spectrometry allows rapid assessment of iron absorption in infants and children

Krystek P, Ritsema R// Natl Inst Publ Hlth & Environm, Analyt Chem Lab, POB 1, NL-3720 BA Bilthoven, The Netherlands

*Anal Bioanal Chem* 2005 **381** (2) 354

Mercury speciation in thawed out and refrozen fish samples by gas chromatography coupled to inductively coupled plasma mass spectrometry and atomic fluorescence spectroscopy

Kunze J, Wimmer MA, Reich M, Koelling S, Jacobs JJ// Hamburg Univ Technol, Cent Lab Analyt Chem, Eissendorfer Str 38, DE-21073 Hamburg,

Germany

*At Spectrosc* 2005 **26** (1) 8

The effects of residual carbon on the determination of chromium in blood and tissue sample, using quadrupole ICP-MS

Larsen EH, Engman J, Sloth JJ, Hansen M, Jorhem L// Danish Inst Food & Vet Res, Dept Chem, Morkhoj Bygade 19, DK-2860 Soborg, Denmark

*Anal Bioanal Chem* 2005 **381** (2) 339

Determination of inorganic arsenic in white fish using microwave-assisted alkaline alcoholic sample dissolution and HPLC-ICP-MS

Locatelli C// Univ Bologna, Dept Chem, Via F Selmi 2, IT-40126 Bologna, Italy

*Anal Bioanal Chem* 2005 **381** (5) 1073

Overlapping voltammetric peaks - An analytical procedure for simultaneous determination of trace metals. Application to food and environmental matrices

Miquel E, Alegria A, Barbera R, Farre R\*// \*Univ Valencia, Fac Farm, Av Vicent Andres Estelles s/n, ES-46100 Valencia, Spain

*Anal Bioanal Chem* 2005 **381** (5) 1082

Speciation analysis of calcium, iron, and zinc in casein phosphopeptide fractions from toddler milk-based formula by anion exchange and reversed-phase high-performance liquid chromatography-mass spectrometry/flame atomic-absorption spectroscopy

Myors RB, Hearn R, Mackay LG\*// \*Natl Anal Ref Lab, POB 385, Pymble, NSW 2073, Australia

*J Anal Atom Spectrom* 2005 **20** (3) 216

The high-accuracy analysis of lead in wine by exact-matching isotope dilution mass spectrometry using ICP-MS

Perna L, LaCroix-Fralish A, Sturup S\*// \*Dartmouth Coll, Dept Chem & Earth Sci, 6105 Sherman Fairchild Hall, Hanover, NH 03755, USA

*J Anal Atom Spectrom* 2005 **20** (3) 236

Determination of inorganic mercury and methylmercury in zooplankton and fish samples by speciated isotopic dilution GC-ICP-MS after alkaline digestion

Sturup S, Hayes RB, Peters U// Dartmouth Coll, Dept Earth Sci, Dartmouth Trace Element Anal Core Facil, Hanover, NH 03755, USA

*Anal Bioanal Chem* 2005 **381** (3) 686

Development and application of a simple routine method for the determination of selenium in serum by octopole reaction system ICPMS

Yamaki Y, Horii S, Hashimoto T, Sasamoto T, Ushio F, Kamata K, Ibe A// Tokyo Metropolitan Inst Publ Hlth, 3-24-1 Hyakunin cho, Shinjuku ku, Tokyo 169 0073, Japan

*J Food Hyg Soc Jpn* 2005 **46** (3) 124

Modified determination method of total bromine in agricultural products by gas chromatography (Japanese, English Abstract)

## 8. Drug, biocide & processing residues

Abreu SD, Correia M, Herbert P, Santos L, Alves A\*// \*Univ Porto, Fac Engn, DEQ, LEPAE, Rua Dr Frias s/n, PT-4200-465 Oporto, Portugal

*Food Addit Contam* 2005 **22** (6) 549

Screening of grapes and wine for azoxystrobin, kresoxim-methyl and trifloxystrobin fungicides by HPLC with diode array detection

Akutsu K, Kuwabara K, Konishii Y, Matsumoto H, Murakami Y, Tanaka Y, Matsuda R, Hori S// Osaka Prefectural Inst Publ Hlth, 1-3-69 Nakamichi, Higashinari ku, Osaka 537 0025, Japan

*J Food Hyg Soc Jpn* 2005 **46** (3) 99

Congener-specific analysis of PCBs in food samples by using GC/MS

Aston DSJ, Parry SJ// Univ London Imperial Coll Sci Technol & Med, Dept Environm Sci & Technol, Silwood Pk, Ascot SL5 7PY, England

*J Radioanal Nucl Chem* 2005 **263** (1) 81

A radiotracer technique for the migration of inorganic contaminants into dry food from packaging made from recycled paper and board

Becalski A, Forsyth D, Casey V, Lau BPY, Pepper K, Seaman S// Hlth Canada, Hlth Prod & Food Branch, Bur Chem Safety, Food Res Div, Address Locator 22030, Ottawa, Ontario, Canada K1A 0L2

*Food Addit Contam* 2005 **22** (6) 535

Development and validation of a headspace method for determination of furan in food

Bordajandi LR, Korytar P, De Boer J, Gonzalez MJ\*// \*Inst Organ Chem - CSIC, Dept Instrumental Anal & Environm Chem, Juan Cierva 3, ES-28006 Madrid, Spain

*J Sep Sci* 2005 **28** (2) 163

Enantiomeric separation of chiral polychlorinated biphenyls on  $\beta$ -cyclodextrin capillary columns by means of heart-cut multidimensional gas chromatography and comprehensive two-dimensional gas chromatography. Application to food samples

Ferrer I, Garcia-Reyes JF, Mezcuca M, Thurman EM, Fernandez-Alba AR// Univ Almeria, Pesticide Residue Res Grp, ES-04120 Almeria, Spain  
*J Chromatogr A* 2005 **1082** (1) 81  
Multi-residue pesticide analysis in fruits and vegetables by liquid chromatography-time-of-flight mass spectrometry

Goto T, Ito Y, Oka H, Saito I, Matsumoto H, Sugiyama H, Ohkubo C, Nakazawa H, Nagase H// Aichi Prefectural Inst Publ Hlth, Kita ku, Tsuji, Aichi 462 8576, Japan  
*Anal Chim Acta* 2005 **531** (1) 79  
The high throughput analysis of *N*-methyl carbamate pesticides in wine and juice by electrospray ionization liquid chromatography tandem mass spectrometry with direct sample injection into a short column

Herrera A, Perez-Arquillue C, Conchello P, Bayarri S, Lazaro R, Yague C, Arino A\*// \*Univ Zaragoza, Fac Vet, Dept Anim Prod & Food Sci, Miguel Servet 177, ES-50013 Zaragoza, Spain  
*Anal Bioanal Chem* 2005 **381** (3) 695  
Determination of pesticides and PCBs in honey by solid-phase extraction cleanup followed by gas chromatography with electron-capture and nitrogen-phosphorus detection

Ho C, Sin DWM, Wong KM, Tang HPO\*// \*Govt Lab, Analyt & Advisory Serv Div, 88 Chung Hau St, Kowloon, Hong Kong, Peoples Rep China  
*Anal Chim Acta* 2005 **530** (1) 23  
Determination of dimetridazole and metronidazole in poultry and porcine tissues by gas chromatography-electron capture negative ionization mass spectrometry

Huertas-Perez JF, Gamiz-Gracia L, Garcia-Campana AM\*, Gonzalez-Casado A, Vidal JLM// \*Univ Granada, Fac Sci, Dept Analyt Chem, ES-18071 Granada, Spain  
*Talanta* 2005 **65** (4) 980  
Chemiluminescence determination of carbofuran at trace levels in lettuce and waters by flow-injection analysis

Ibrahim H, Issa YM, Abu-Shawish HM// Cairo Univ, Fac Sci, Dept Chem, Cairo, Egypt  
*Anal Chim Acta* 2005 **532** (1) 79  
Potentiometric flow injection analysis of dicyclomine hydrochloride in serum, urine and milk

Jamuna M, Naika M, Jeevaratnam K\*, Bawa AS// \*Def Food Res Lab, IN-560011 Mysore, India  
*J Food Sci Technol Mysore* 2005 **42** (2) 205  
Detection and determination of various fungicides in fruits and vegetables using thin layer chromatography

O'Riordan TC, Voraberger H, Kerry JP, Papkovsky DB\*// \*Natl Univ Ireland Univ Coll Cork, Dept Biochem, Lee Maltins Prospect Row, Cork, Rep Ireland  
*Anal Chim Acta* 2005 **530** (1) 135  
Study of migration of active components of phosphorescent oxygen sensors for food packaging applications

Rudell DR, Mattheis JP\*, Fellman JK// \*USDA/ARS, Tree Fruit Res Lab, 1104 Nth Western Ave, Wenatchee, Wa 98801, USA  
*J Chromatogr A* 2005 **1081** (2) 202  
Evaluation of diphenylamine derivatives in apple peel using gradient reversed-phase liquid chromatography with ultraviolet-visible absorption and atmospheric pressure chemical ionization mass selective detection

Samsonova JV, Bashkurov ML, Ivanova NL, Rubtsova MY, Egorov AM// Moscow MV Lomonosov State Univ, Fac Chem, Dept Chem Enzymol, RU-119992 Moscow, Russia  
*Food Agric Immunol* 2005 **16** (1) 47  
ELISA of streptomycin in butter and milk: Effect of reagents' structure and analysis format on assay performance

Shao B, Han H, Hu JY, Zhao J, Wu GH, Xue Y, Ma YL, Zhang SJ// Beijing Ctr Dis Prevent & Control, Inst Nutr & Food Hyg, CN-100013 Beijing, Peoples Rep China  
*Anal Chim Acta* 2005 **530** (2) 245  
Determination of alkylphenol and bisphenol A in beverages using liquid chromatography/electrospray ionization tandem mass spectrometry

Thurman EM, Ferrer I, Zweigenbaum JA, Garcia-Reyes JF, Woodman M, Fernandez-Alba AR// Univ Almeria, Dept Hydrogeol & Analyt Chem, Pesticide Residue Res Grp, ES-04120 Almeria, Spain  
*J Chromatogr A* 2005 **1082** (1) 71  
Discovering metabolites of post-harvest fungicides in citrus with liquid chromatography/time-of-flight mass spectrometry and ion trap tandem mass spectrometry

Zeng ZL, Dong AG, Yang GX\*, Chen ZL, Huang XH// \*China Agr Univ, Coll Vet Med, Guangdong Prov Key Lab Vet Pharmaceut Dev & Safety, CN-510642 Guangzhou, Peoples Rep China  
*J Chromatogr B* 2005 **821** (2) 202

Simultaneous determination of nine fluoroquinolones in egg white and egg yolk by liquid chromatography with fluorescence detection

## 9. Toxins/Allergens

Biselli S, Hartig L, Wegner H, Hummert C// Wiertz-Eggert-Jorissen GbmH, Eurofins, Dept Mycotoxins, Hamburg, Germany  
*Spectroscopy* 2005 **20** (2) 20  
Analysis of *Fusarium* toxins using LC-MS-MS: Application to various food and feed matrices

Bittencourt AL, Fernandes I, Pereira IRO, Honmoto CS, Tanaka MK, Lima FSP, Abdalla DSP\*// \*Univ Sao Paulo, Fac Ciencias Farmaceut, Av Prof Lineu Prestes 580, Cidade Univ Butanta, BR-05508-900 Sao Paulo, Brazil  
*Food Agric Immunol* 2005 **16** (2) 91  
Detection of 7S and 11S soy protein fractions by monoclonal antibody-based immunoassays in food

De Meulenaer B, De la Court M, Acke D, De Meyere T, Van de Keere A// State Univ Ghent, Dept Food Safety & Food Qual, Food Chem Lab, Coupure Links 653, BE-9000 Ghent, Belgium  
*Food Agric Immunol* 2005 **16** (2) 129  
Development of an enzyme-linked immunosorbent assay for peanut proteins using chicken immunoglobulins

Dell'Aversano C, Hess P, Quilliam MA\*// \*Natl Res Council Canada, Inst Marine Biosci, Atlantic Reg Lab, 1411 Oxford St, Halifax, Nova Scotia, Canada B3H 3Z1  
*J Chromatogr A* 2005 **1081** (2) 190  
Hydrophilic interaction liquid chromatography-mass spectrometry for the analysis of paralytic shellfish poisoning (PSP) toxins

Lee NA, Rachaputi NC, Wright GC, Krosch S, Norman K, Anderson J, Ambarwati S, Retnowati I, Dharmaputra OS, Kennedy IR// Univ New Sth Wales, Sch Chem Engr & Ind Chem, Sydney, NSW 2052, Australia  
*Food Agric Immunol* 2005 **16** (2) 149  
Validation of analytical parameters of a competitive direct ELISA for aflatoxin B<sub>1</sub> in peanuts

Moen LH, Sletten GB, Miller I, Plassen C, Gutleb AC, Egaas E// Natl Vet Inst, POB 8156 Dep, NO-0033 Oslo, Norway  
*Food Agric Immunol* 2005 **16** (2) 83  
Rocket immunoelectrophoresis and ELISA as complementary methods for the detection of casein in foods?

Moreno IM, Molina R, Jos A, Pico Y, Camean AM\*// \*Univ Sevilla, Fac Farm, Area Toxicol, C/ Profesor Garcia Gonzalez 2, ES-41012 Seville, Spain  
*J Chromatogr A* 2005 **1080** (2) 199  
Determination of microcystins in fish by solvent extraction and liquid chromatography

Raw DFK, Menard C, Niedzwiedek B, Lewis D, Lau BPY, Delauney-Bertoncini N, Hennion MC, Lawrence JF// Hlth Canada, Hlth Prod & Food Branch, Bureau Chem Safety, Food Res Div, Sir Frederick Banting Res Ctr, Ottawa, Ontario, Canada K1A 0L2  
*J Chromatogr A* 2005 **1080** (2) 148  
Confirmation of okadaic acid, dinophysistoxin-1 and dinophysistoxin-2 in shellfish as their anthrylmethyl derivatives using UV radiation

Saccani G, Tanzi E, Pastore P, Cavalli S, Rey A// Stazione Sperimentale Ind Conserve Alimentari, Viale Tanara 31/a, IT-43100 Parma, PR, Italy  
*J Chromatogr A* 2005 **1082** (1) 43  
Determination of biogenic amines in fresh and processed meat by suppressed ion chromatography-mass spectrometry using a cation-exchange column

## 10. Additives

Doka O, Bicanic D, Ajtony Z, Koehorst R// Univ West Hungary, Fac Agr & Food Sci, Dept Phys, POB 90, HU-9201 Mosonmagyaróvár, Hungary  
*Food Addit Contam* 2005 **22** (6) 503  
Determination of Sunset Yellow in multi-vitamin tablets by photoacoustic spectroscopy and a comparison with alternative methods

Jaworska M, Szulinska Z, Wilk M, Anuszezwska E// Natl Inst Publ Hlth, Dept Biochem & Biopharmaceut, 30-34 Chelmska Str, PL-00725 Warsaw, Poland  
*J Chromatogr A* 2005 **1081** (1) 42  
Separation of synthetic food colourants in the mixed micellar system. Application to pharmaceutical analysis

Koyama M, Yoshida K, Uchibori N, Wada I, Akiyama K, Sasaki T// Japanese Consum Coop Union, 1-17-18 Nishiki cho, Warabi, Saitama 3350 005, Japan  
*J Food Hyg Soc Jpn* 2005 **46** (3) 72  
Analysis of nine kinds of sweeteners in foods by LC/MS (Japanese, English Abstract)



Lucena R, Cardenas S, Gallego M, Valcarcel M\*// \*Univ Cordoba, Dept Analyt Chem, Campus Rabanales, ES-14071 Cordoba, Spain  
*Anal Chim Acta* 2005 **530** (2) 283

Continuous flow autoanalyzer for the sequential determination of total sugars, colorant and caffeine contents in soft drinks

Sezginturk MK, Dinckaya E// Ege Univ, Fac Sci, Dept Biochem, TR-35100 Izmir, Turkey  
*Talanta* 2005 **65** (4) 998

Direct determination of sulfite in food samples by a biosensor based on plant tissue homogenate

Tsuji S, Nakano M, Terada H, Tamura Y, Tonogai Y// Natl Inst Hlth Sci, 1-18-1 Kamiyoga, Setagaya ku, Tokyo 158 8501, Japan  
*J Food Hyg Soc Jpn* 2005 **46** (3) 63

Determination and confirmation of five phenolic antioxidants in foods by LC/MS and GC/MS (Japanese, English Abstract)

Tsuji S, Nakano M, Furukawa M, Yoshii K, Tonogai Y// Natl Inst Hlth Sci, 1-18-1 Kamiyoga, Setagaya ku, Tokyo 158 8501, Japan  
*J Food Hyg Soc Jpn* 2005 **46** (3) 116

Identification and determination of the isomer and subsidiary color in Food Blue No. 2 (Indigo Carmine) by LC/MS and HPLC (Japanese, English Abstract)

Vidotti EC, Cancino JC, Oliveira CC, Rollemberg MDC\*// \*Univ Estadual Maringa, Dept Quim, Maringa, Parana, Brazil  
*Anal Sci* 2005 **21** (2) 149

Simultaneous determination of food dyes by first derivative spectrophotometry with sorption onto polyurethane foam

## 11. Flavours & aromas

Besharati-Seidani A, Jabbari A, Yamini Y\*// \*Tarbiat Modarres Univ, Sch Sci, Dept Chem, Tehran, Iran  
*Anal Chim Acta* 2005 **530** (1) 155

Headspace solvent microextraction: A very rapid method for identification of volatile components of Iranian *Pimpinella anisum* seed

Cardeal ZD, Guimaraes EM, Parreira FV// Univ Fed Minas Gerais, ICEX, Dept Chem, Caixa Postal 702, BR-31270-901 Belo Horizonte, MG, Brazil  
*Food Addit Contam* 2005 **22** (6) 508

Analysis of volatile compounds in some typical Brazilian fruits and juices by SPME-GC method

Fang Y, Qian MC\*// \*Oregon State Univ, Dept Food Sci & Technol, 100 Wiegand Hall, Corvallis, Or 97331, USA  
*J Chromatogr A* 2005 **1080** (2) 177

Sensitive quantification of sulfur compounds in wine by headspace solid-phase microextraction technique

Lo Presti M, Ragusa S, Trozzi A, Dugo P, Visinoni F, Fazio A, Dugo G, Mondello L\*// \*Univ Messina, Fac Farm, Dipt Farmacochim, Viale Annunziata, IT-98168 Messina, Italy  
*J Sep Sci* 2005 **28** (3) 273

A comparison between different techniques for the isolation of rosemary essential oil

Siebert TE, Smyth HE, Capone DL, Neuwohner C, Pardon KH, Skouroumounis GK, Herderich M, Sefton MA, Pollnitz AP\*// \*Australian Wine Res Inst, POB 197, Glen Osmond, SA 5064, Australia  
*Anal Bioanal Chem* 2005 **381** (4) 937

Stable isotope dilution analysis of wine fermentation products by HS-SPME-GC-MS

## 12. Organic acids

Kronka EAM, Paim APS, Tumang CA, Latanze R, Reis BF\*// \*Univ Sao Paulo, Ctr Energia Nucl Agr, Av Centenario 303, BR-1340-970 Piracicaba, SP, Brazil  
*J Brazil Chem Soc* 2005 **16** (1) 46

Multicommutated flow system for spectrophotometric L(+) lactate determination in alcoholic fermented sugar cane juice using enzymatic reaction

## 13. Animal products

Prokoratova V, Kvasnicka F\*, Sevcik R, Voldrich M// \*Inst Chem Technol, Dept Food Preservat & Meat Technol, Technicka 5, CZ-16628 Prague, Czech Republic  
*J Chromatogr A* 2005 **1081** (1) 60

Capillary electrophoresis determination of carnitine in food supplements

## 14. Plant & microbial products

Andres S, Giraldez FJ, Lopez S, Mantecon AR, Calleja A// Univ Leon, Dept Anim Prod I, Unidad Asociada CSIC, Grp Nutr Praticultura, Estacion Agr Expt Leon, ES-24071 Leon, Spain  
*J Sci Food Agric* 2005 **85** (9) 1564

Nutritive evaluation of herbage from permanent meadows by near-infrared reflectance spectroscopy: 1. Prediction of chemical composition and *in vitro* digestibility

Andres S, Calleja A, Lopez S, Mantecon AR, Giraldez FJ// Univ Leon, Dept Anim Prod I, Unidad Asociada CSIC, Grp Nutr Praticultura, Estacion Agr Expt Leon, ES-24071 Leon, Spain  
*J Sci Food Agric* 2005 **85** (9) 1572

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Changes of physical state of water, and sugars and oils compositions in growing sapota fruits studied by NMR imaging and spectroscopy

Chen LJ, Zhao X\*, Plummer S, Tang J, Games DE// \*Sichuan Univ, West China Med Sch, West China Hosp, Div Canc Biotherapy, State Key Lab Biotherapy, CN-610041 Chengdu, Peoples Rep China  
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Quantitative determination and structural characterization of isoflavones in nutrition supplements by liquid chromatography-mass spectrometry

Colombo R, Yariwake JH\*, Queiroz EF, Ndjoko K, Hostettmann K// \*Univ Sao Paulo, Inst Quim Sao Carlos, Caixa Postal 780, BR-13560-970 Sao Carlos, SP, Brazil  
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Analysis of flavanone-7-O-glycosides in citrus juices by short-end capillary electrochromatography

Futo S// FASMAC Co Ltd, 5-1-3 Midorigaoka, Atsugi, Kanagawa 243 004, Japan  
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Standardization of the detection methods for genetically modified organisms in ISO (Japanese, English Abstract)

Lucena R, Cardenas S, Gallego M, Valcarcel M\*// \*Univ Cordoba, Dept Analyt Chem, Marie Curie Bldg, Annex, Campus Rabanales, ES-14071 Cordoba, Spain  
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Autoanalyzer for continuous fractionation and quantitation of the polyphenols content in wines

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Analysis of polyphenols in wines: Correlation between total polyphenolic content and antioxidant potential from photometric measurements - Prediction of cultivars and vintage from capillary zone electrophoresis fingerprints using artificial neural network

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Scavetta E, Tonelli D\*// \*Univ Bologna, Dept Phys & Inorgan Chem, Viale Risorgimento 4, IT-40136 Bologna, Italy  
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Amperometric sensors based on synthetic hydroxalates and their application for ethanol detection in beer