

## Bibliography of analytical, nutritional and clinical methods

(8 weeks journals. Search completed at 1st Nov. 2006)

### 1. Books, reviews & symposia

Christensen J, Norgaard L, Bro R, Engelsen SB\*// \*Royal Vet & Agr Univ, Dept Food Sci, DK-1958 Frederiksberg C, Denmark  
*Chem Rev* 2006 **106** (6) 1979

Multivariate autofluorescence of intact food systems

Gambari R, Feriotto G// Univ Ferrara, Ctr Biotechnol, IT-44100 Ferrara, Italy  
*J AOAC Int* 2006 **89** (3) 893

Surface plasmon resonance for detection of genetically modified organisms in the food supply

Garcia RS, Silva AS, Copper I, Franz R, Losada PP\*// \*Univ Santiago de Compostela, Fac Pharm, Dept Anal Chem Nutr & Bromatol, Campus Sur s/n, ES-15782 Santiago de Compostela, Spain  
*Trends Food Sci Technol* 2006 **17** (7) 354

Revision of analytical strategies to evaluate different migrants from food packaging materials

Gomez-Caravaca AM, Gomez-Romero M, Arraez-Roman D, Segura-Carretero A\*, Fernandez-Gutierrez A// \*Univ Granada, Fac Sci, Dept Anal Chem, C/ Fuentenueva s/n, ES-18071 Granada, Spain  
*J Pharm Biomed Anal* 2006 **41** (4) 1220

Advances in the analysis of phenolic compounds in products derived from bees

Haughey SA, Baxter CA// Xenosense Ltd, Innovation Centre, Unit 18, Northern Ireland Science Pk, Queens Rd, Queens Island, Belfast BT3 9DT, Northern Ireland  
*J AOAC Int* 2006 **89** (3) 862

Biosensor screening for veterinary drug residues in foodstuffs

Isaac A, Livingstone C, Wain AJ, Compton RG, Davis J\*// \*Nottingham Trent University, School Biomedicine & Natural Sciences, Nottingham NG11 8NS, England  
*Trends Anal Chem* 2006 **25** (6) 589

Electroanalytical methods for the determination of sulfite in food and beverages

Kalman A, Caelen I, Svorc J// Nestec Ltd, Qual & Safety Dept, Nestle Res Ctr, Vers-chez-les-Blanc, CH-1000 Lausanne 26, Switzerland  
*J AOAC Int* 2006 **89** (3) 819

Vitamin and pseudovitamin analysis with biosensors in food products - A review

Luque de Castro MD, Japon-Lujan R// Fac Sci, Dept Anal Chem, Annex C3, Campus Rabanales, ES-14071 Cordoba, Spain  
*Trends Anal Chem* 2006 **25** (5) 501

State-of-the-art and trends in the analysis of oleuropein and derivatives

Patel PD// Leatherhead Food Int Ltd, Randalls Rd, Leatherhead KT22 7RY, England  
*J AOAC Int* 2006 **89** (3) 805

Overview of affinity biosensors in food analysis

Rasooly A, Herold KE// NIH/NCI, Canc Diagnosis Program, 6130 Executive Blvd, Rockville, Md 20852, USA  
*J AOAC Int* 2006 **89** (3) 873

Biosensors for the analysis of food- and waterborne pathogens and their toxins

Reid LM, O'Donnell CP, Downey G// Teagasc, Ashtown Food Res Ctr, Dublin 15, Rep Ireland  
*Trends Food Sci Technol* 2006 **17** (7) 344

Recent technological advances for the determination of food authenticity

### 3. Amino acids, proteins & enzymes

Ballin NZ// Danish Vet & Food Adm, Reg Vet & Food Control Authority, Dept Food Chem, Soendervang 4, DK-4100 Ringsted, Denmark  
*J Agric Food Chem* 2006 **54** (12) 4131

Estimation of whey protein in casein coprecipitate and milk powder by high-performance liquid chromatography quantification of cysteine

Dupont D, Muller-Renaud S// INRA, Unite Rech Technol & Anal Laitieres, Pl Champ Foire, BP 89, FR-39801 Poligny, France  
*J AOAC Int* 2006 **89** (3) 843

Quantification of proteins in dairy products using an optical biosensor

Gonzalez-Martin I, Alvarez-Garcia N, Gonzalez-Cabrera JM// Fac Ciencias Quim, Dept Quim Analit Nutr & Bromatol, C/ Plaza Merced s/n, ES-37008 Salamanca, Spain  
*Talanta* 2006 **69** (3) 706

Near-infrared spectroscopy (NIRS) with a fibre-optic probe for the prediction of the amino acid composition in animal feeds

Indyk HE, Filonzi EL, Gapper LW// Fonterra, POB 7, Waitoa, New Zealand  
*J AOAC Int* 2006 **89** (3) 898

Determination of minor proteins of bovine milk and colostrum by optical biosensor analysis

Karoui R, Kemps B, Bamelis F, De Ketelaere B, Merten K, Schoonheydt R, Decuyper E, De Baerdemaeker J// Katholieke University Leuven, Egg Quality & Incubation Research Group, Kasteelpk Arenberg 30, BE-3001 Louvain, Belgium  
*Eur Food Res Technol* 2006 **223** (3) 303

Development of a rapid method based on front face fluorescence spectroscopy for the monitoring of egg freshness: 1—Evolution of thick and thin egg albumens

Karoui R, Kemps B, Bamelis F, De Ketelaere B, Merten K, Schoonheydt R, Decuyper E, De Baerdemaeker J// Address as above  
*Eur Food Res Technol* 2006 **223** (2) 180

Development of a rapid method based on front-face fluorescence spectroscopy for the monitoring of egg freshness: 2—Evolution of egg yolk

Kugler F, Graneis S, Schreiter P, Stintzing FC\*, Carle R// \*Univ Hohenheim, Inst Food Technol, Sect Plant Foodstuff Technol, August von Hartmann Str 3, DE-75099 Stuttgart, Germany  
*J Agric Food Chem* 2006 **54** (12) 4311

Determination of free amino compounds in betalainic fruits and vegetables by gas chromatography with flame ionization and mass spectrometric detection

Le TX, Datta N, Deeth HC\*// \*Univ Queensland, Sch Land & Food Sci, Australian Dairy Ind Ctr UHT Proc, Brisbane, Qld 4072, Australia  
*Food Res Int* 2006 **39** (7) 823

Sensitive HPLC method for measuring bacterial proteolysis and proteinase activity in UHT milk

Marina ML, Thorogate R, Smith NW// University Alcala de Henares, Faculty Chemistry, Dept Anal Chem, Madrid Barcelona km 33.6, ES-28871 Madrid, Spain  
*J Sep Sci* 2006 **29** (7) 979

A 150  $\mu$ m id packed column for the separation of soybean proteins by elution gradient  $\mu$ -HPLC: Simultaneous separation of soybean proteins from cereal and milk proteins

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.

Patzold R, Bruckner H// \*University Giessen, Institute Nutrition Sci, Dept Food Sci, Interdisciplinary Res Ctr, Heinrich Buff Ring 26, DE-35392 Giessen, Germany

*Eur Food Res Technol* 2006 **23** (3) 347

Gas chromatographic detection of D-amino acids in natural and thermally treated bee honeys and studies on the mechanism of their formation as result of the Maillard reaction

Rose DJ, Pike OA// \*Brigham Young Univ, Dept Nutr Diabet & Food Sci, S-221 ESC, Provo, Ut 84602, USA

*J Am Oil Chem Soc* 2006 **83** (5) 415

A simple method to measure lipase activity in wheat and wheat bran as an estimation of storage quality

Volpe G, Ammid NH, Moscone D, Occhigrossi L, Palleschi G// \*Univ Roma Tor Vergata, Dipt Sci & Technol Chim, Rome, Italy

*Anal Lett* 2006 **39** (8) 1599

Development of an immunomagnetic electrochemical sensor for detection of BT-CRY1AB/CRY1AC proteins in genetically modified corn samples

#### 4. Carbohydrates

Abebe AT// OMI Weighing Machine Incorporated, Yagura 3-11-70, Higashi, Shiga, Japan

*J Near Infrared Spectrosc* 2006 **14** (1) 67

Total sugar and maturity evaluation of intact watermelon using near infrared spectroscopy

Barboni T, Chiaramonti N// Univ Corse, UMR CNRS 6134, Equipe Feux, BP 52, FR-20250 Corte, France

*Chromatographia* 2006 **63** (9-10) 445

Use of deconvolution methods for the analysis of sugars in kiwi juice by HPLC

Cano CB, Felsner ML, Bruns RE, Matos JR, Almeida-Muradian LB// Inst Adolfo Lutz, Secao Bebidas, Ave Dr Arnaldo 355, BR-01246-902 Sao Paulo, SP State, Brazil

*J Brazil Chem Soc* 2006 **17** (3) 588

Optimization of mobile phase for separation of carbohydrates in honey by high performance liquid chromatography using a mixture design

Cazor A, Deborde C, Moing A, Rolin D, This H// Diana Ingredients, BP 244, FR-56007 Vannes, France

*J Agric Food Chem* 2006 **54** (13) 4681

Sucrose, glucose, and fructose extraction in aqueous carrot root extracts prepared at different temperatures by means of direct NMR measurements

Charoenkul N, Uttapap D\*, Pathipanawat W, Takeda Y// \*King Mongkuts University Technology Thonburi, School Bioresources & Technology, Div Biochem Technol, 83 Moo 8 Tha-kham, Bangkhuntian, TH-10150 Bangkok, Thailand

*Carbohydr Polym* 2006 **65** (1) 102

Simultaneous determination of amylose content & unit chain distribution of amylopectins of cassava starches by fluorescent labeling/HPSEC

Farhadi A, Keshavarzian A, Fields JZ, Sheikh M, Banan A// Rush Univ Med Ctr, Dept Internal Med, Div Digest Dis, Sect Gastroenterol & Nutr, Chicago, IL 60612, USA

*J Chromatogr B* 2006 **836** (1-2) 63

Resolution of common dietary sugars from probe sugars for test of intestinal permeability using capillary column gas chromatography

Ibarz A, Pagan A, Tribaldo F, Pagan J// \*Univ Lleida, Dept Tecnol Aliments, Av Rovira Roure 191, ES-25198 Lleida, Spain

*Food Control* 2006 **17** (11) 890

Improvement in the measurement of spectrophotometric data in the *m*-hydroxydiphenyl pectin determination methods

Kelly JD, Petisco C, Downey G// \*Teagasc, Ashtown Food Res Ctr, Dublin 15, Rep Ireland

*J Near Infrared Spectrosc* 2006 **14** (2) 139

Potential of near infrared transmittance spectroscopy to detect adulteration of Irish honey by beet invert syrup and high fructose corn syrup

Montanez-Soto JL, Alegret S, Salazar-Montoya JA, Ramos-Ramirez EG// \*CINVESTAV-IPN, Dept Biotechnol & Bioengn, POB 14-740, MX-07300 Mexico City, DF, Mexico

*Eur Food Res Technol* 2006 **23** (3) 379

A new amperometric biosensor for fructose determination based on epoxy-graphite-TTF-TCNQ-FDH-biocomposite

Moorthy SN, Andersson L, Eliasson AC, Santacruz S, Ruales J// Central Tuber Crops Research Institute, Div Crop Utilisation, IN-695917 Trivandrum, Kerala, India

*Starch* 2006 **58** (5) 209

Determination of amylose content in different starches using modulated differential scanning calorimetry

#### 5. Lipids

Dugo P, Kumm T, Chiofalo B, Cotroneo A, Mondello L// \*Univ Messina, Fac Farm, Dipt Farmchim, Viale Annunziata, IT-98168 Messina, Italy

*J Sep Sci* 2006 **29** (8) 1146

Separation of triacylglycerols in a complex lipidic matrix by using comprehensive two-dimensional liquid chromatography coupled with atmospheric pressure chemical ionization mass spectrometric detection

Gonzaga FB, Pasquini C// \*Univ Estadual Campinas, Inst Quim, Caixa Postal 6154, BR-13084-971 Campinas, SP, Brazil

*Anal Chim Acta* 2006 **570** (1) 129

A new method for determination of the oxidative stability of edible oils at frying temperatures using near infrared emission spectroscopy

Isbell TA, Green LA, DeKeyser SS, Manthey LK, Kenar JA, Cermak SC// USDA/ARS, Nat Ctr Agric Utilizat Res, 1815 Nth University St, Peoria, IL 61604, USA

*J Am Oil Chem Soc* 2006 **83** (5) 429

Improvement in the gas chromatographic resolution of petroselinic acid

Kovalenko IV, Rippke GR, Hurburgh CR// Iowa State Univ, Dept Agr & Biosyst Engr, 1551 Food Sci Bldg, Ames, Ia 50011, USA

*J Am Oil Chem Soc* 2006 **83** (5) 421

Measurement of soybean fatty acids by near-infrared spectroscopy: Linear and nonlinear calibration methods

Kumar A, Pandey RR, Brantley B// Univ Sth Florida, Dept Internal Med, Tampa, FL 33612, USA

*Talanta* 2006 **69** (3) 700

Tetraethylorthosilicate film modified with protein to fabricate cholesterol biosensor

Manley M, Eberle K// Univ Stellenbosch, Dept Food Sci, Private Bag 11, ZA-7602 Stellenbosch, Rep Sth Africa

*J Near Infrared Spectrosc* 2006 **14** (2) 111

Comparison of Fourier transform near infrared spectroscopy partial least square regression models for South African extra virgin olive oil using spectra collected on two spectrophotometers at different resolutions and path lengths

Mateos R, Uceda M, Aguilera MP, Escuderos ME, Maza GB// \*IFAPA, Estacion Olivicultura & Elaiotecnica CIFA Venta de Llano, PO Box 50, ES-23620 Mengibar, Jaen, Spain

*Eur Food Res Technol* 2006 **23** (2) 246

Relationship of Rancimat method values at varying temperatures for virgin olive oils

Ratnayake WMN, Hansen SL\*, Kennedy MP// \*Cargill Inc, POB 5699, Minneapolis, Mn 55440, USA

*J Am Oil Chem Soc* 2006 **83** (6) 475

Evaluation of the CP-Sil 88 and SP-2560 GC columns used in the recently approved AOCS official method Ce 1h-05: Determination of *cis*-, *trans*-, saturated, monounsaturated, and polyunsaturated fatty acids in vegetable or non-ruminant animal oils and fats by capillary GLC method

Saad B, Wai WT, Lim BP, Saleh MI// Univ Sains Malaysia, Sch Chem Sci, MY-11800 Penang, Malaysia

*Anal Chim Acta* 2006 **565** (2) 261

Flow injection determination of peroxide value in edible oils using triiodide detector

Sabarense CM, Goncalves MID, Mancini J// DNS/UFV, Av PH Rolfs, Campus Univ, BR-36571-000 Vicosa, MG, Brazil

*Eur J Lipid Sci Technol* 2006 **108** (5) 404

Elaidic acid in rat liver identified by gas chromatography and nuclear magnetic resonance spectroscopy

Saldanha T, Sawaya ACHF, Eberlin MN, Braganolo N// \*University Estadual Campinas, Faculty Food Engr, Dept Food Sci, BR-13083-862 Campinas, SP, Brazil

*J Agric Food Chem* 2006 **54** (12) 4107

HPLC separation and determination of 12 cholesterol oxidation products in fish: Comparative study of RI, UV, and APCI-MS detectors

Singh S, Solanki PR, Pandey MK, Malhotra BD// \*National Phys Lab, Biomol Elect & Conducting Polymer Res Grp, Dr Krishnan Rd, IN-110012 New Delhi, India

*Anal Chim Acta* 2006 **568** (1-2) 126

Covalent immobilization of cholesterol esterase and cholesterol oxidase on polyaniline films for application to cholesterol biosensor

Veberg A, Sorheim O, Moan J, Iani V, Juzenas P, Nilsen AN, Wold JP// Matforsk-Norwegian Food Res Inst, Osloveien 1, NO-1430 As, Norway

*Meat Sci* 2006 **73** (3) 511

Measurement of lipid oxidation and porphyrins in high oxygen modified atmosphere and vacuum-packed minced turkey and pork meat by fluorescence spectra and images

Yang BR, Kallio H// Aromtech Ltd, DIO Business Ctr, Tykistokatu 4, FI-20520 Turku, Finland

*Lipids* 2006 **41** (4) 381

Analysis of triacylglycerols of seeds and berries of sea buckthorn (*Hippophae rhamnoides*) of different origins by mass spectrometry and tandem mass spectrometry

Zotte AD, Berzaghi P, Jansson LM, Andrighetto I// Agripolis, Dept Anim Sci, Viale Università 16, IT-35020 Legnaro, Italy

*Anim Feed Sci Technol* 2006 **128** (1–2) 108

The use of near-infrared reflectance spectroscopy (NIRS) in the prediction of chemical composition of freeze-dried egg yolk and discrimination between different *n* - 3 PUFA feeding sources

## 6. Vitamins & co-factors

Akyilmaz E, Yasa I, Dinckaya E// Ege Univ, Fac Sci, Dept Biochem, TR-35100 Izmir, Turkey

*Anal Biochem* 2006 **354** (1) 78

Whole cell immobilized amperometric biosensor based on *Saccharomyces cerevisiae* for selective determination of vitamin B<sub>1</sub> (thiamine)

Mallett DN, Dayal S, Dear GJ, Pateman AJ// GlaxoSmithKline R&D, Drug Metab Pharmacokinetic, Cardiovasc & Urogenital Ctr Excellence Drug Discovery, Gunnels Wood Rd, Stevenage, England

*J Pharm Biomed Anal* 2006 **41** (2) 510

The determination of nicotinic acid in plasma by mixed-mode, liquid chromatography-tandem mass spectrometry following ion exchange solid phase extraction

Patring JDM, Lanina SA, Jastrebova JA// \*Swedish Univ Agr Sci, Dept Food Sci, Div Food Chem, POB 7051, SE-75007 Uppsala, Sweden

*J Sep Sci* 2006 **29** (6) 889

Applicability of alkyl-bonded ultra-pure silica stationary phases for gradient reversed-phase HPLC of folates with conventional and volatile buffers under highly aqueous conditions

Pires CK, Lavorante AF, Marconi LMT, Meneses SRP, Zagatto EAG// \*Univ Sao Paulo, Ctr Nuclear Energy Agr, POB 96, BR-13400-970 Piracicaba, SP, Brazil

*Microchem J* 2006 **83** (2) 70

A multi-pumping flow system for chemiluminometric determination of ascorbic acid in powdered materials for preparation of fruit juices

Satterfield MB, Sniegoski LT, Sharpless KE, Welch MJ, Hornikova A, Zhang NF, Pfeiffer CM, Fazili Z, Zhang M, Nelson BC// \*National Institute Standards & Technology, Analytical Chemistry Division, Gaithersburg, Maryland 20899, USA

*Anal Bioanal Chem* 2006 **385** (3) 612

Development of a new standard reference material: SRM 1955 (homocysteine and folate in human serum)

Shaidarova LG, Davietshina LN, Budnikov GK// Kazan State University, Butlerov Chem Institute, ul Kremlevskaya 18, RU-420008 Kazan, Tatarstan, Russia

*J Anal Chem Engl Tr* 2006 **61** (5) 502

Flow-injection determination of water-soluble vitamins B<sub>1</sub>, B<sub>2</sub>, and B<sub>6</sub> from the electrocatalytic response of a graphite electrode modified with a ruthenium(III) hexacyanoruthenate(II) film

Sharma P, Trivedi NP// JNV Univ, Dept Chem, Electroanal Lab, IN-342003 Jodhpur, Rajasthan, India

*J Indian Chem Soc* 2006 **83** (4) 361

Quantitative micro level determination of B group vitamins by differential pulse polarography

Zafra-Gomez A, Garballo A, Morales JC, Garcia-Ayuso LE// Puleva Biotech SA, Qual Dept, Anal Div, Camino de Purchil 66, ES-18004 Granada, Spain

*J Agric Food Chem* 2006 **54** (13) 4531

Simultaneous determination of eight water-soluble vitamins in supplemented foods by liquid chromatography

## 7. Trace elements & minerals

Akl MA, Ismael DS, El-Asmy AA// Mansoura Univ, Fac Sci, Dept Chem, POB 70, Mansoura, Egypt

*Microchem J* 2006 **83** (2) 61

Precipitate flotation-separation, speciation and hydride generation atomic absorption spectrometric determination of selenium(IV) in food stuffs

Cubadda F, Raggi A, Coni E// Ist Super Sanita, Natl Ctr Food Qual & Risk Assessment, Viale Regina Elena 299, IT-00161 Rome, Italy

*Anal Bioanal Chem* 2006 **384** (4) 887

Element fingerprinting of marine organisms by dynamic reaction cell inductively coupled plasma mass spectrometry

Dufailly V, Noel L, Guerin T// \*Agence Francaise Securite Sanitaire Aliments, Lab Etudes & Recherches Qual Aliments & Procèdes Agroalimentaires, FR-94706 Maisons Alfort, France

*Anal Chim Acta* 2006 **565** (2) 214

Determination of chromium, iron and selenium in foodstuffs of animal origin by collision cell technology, inductively coupled plasma mass spectrometry (ICP-MS), after closed vessel microwave digestion

Fung YS, Lau KM// Univ Hong Kong, Dept Chem, Pokfulam Rd, Hong Kong, Peoples Rep China

*J Chromatogr A* 2006 **1118** (1) 144

Separation and determination of cations in beverage products by capillary zone electrophoresis

Gergely V, Montes-Bayon M, Fodor P, Sanz-Medel A// \*Univ Oviedo, Fac Chem, Dept Phys & Anal Chem, C/ Julian Claveria 8, ES-33006 Oviedo, Spain

*J Agric Food Chem* 2006 **54** (13) 4524

Selenium species in aqueous extracts of alfalfa sprouts by two-dimensional liquid chromatography coupled to inductively coupled plasma mass spectrometry and electrospray mass spectrometry detection

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

*Talanta* 2006 **69** (3) 711

Determination of inorganic elements in animal feeds by NIRS technology and a fibre-optic probe

Hight SC, Cheng J// US/FDA, Elemental Res Branch, Ctr Food Safety & Appl Nutr, 5100 Paint Branch Pkwy, College Park, Md 20740, USA

*Anal Chim Acta* 2006 **567** (2) 160

Determination of methylmercury and estimation of total mercury in seafood using high performance liquid chromatography (HPLC) and inductively coupled plasma-mass spectrometry (ICP-MS): Method development and validation

Huerta VD, Sanchez MLF, Sanz-Medel A// \*Univ Oviedo, Dept Phys & Anal Chem, C/ Julian Claveria 8, ES-33006 Oviedo, Spain

*Anal Bioanal Chem* 2006 **384** (4) 902

An attempt to differentiate HPLC-ICP-MS selenium speciation in natural and selenised *Agaricus* mushrooms using different species extraction procedures

Momen AA, Zachariadis GA\*, Anthemidis AN, Stratis JA// \*Aristotle Univ Thessaloniki, Dept Chem, Anal Chem Lab, GR-54124 Thessaloniki, Greece

*Anal Chim Acta* 2006 **565** (1) 81

Investigation of four digestion procedures for multi-element determination of toxic and nutrient elements in legumes by inductively coupled plasma-optical emission spectrometry

Naozuka J, Oliveira PV// \*Univ Sao Paulo, Inst Quim, CP 26077, BR-05513-970 Sao Paulo, SP, Brazil

*J Brazil Chem Soc* 2006 **17** (3) 521

Minimization of sample pretreatment for Al, Cu and Fe determination in coconut water by electrothermal atomic absorption spectrometry

Ramadan AA, Mandil H, Saleh MA// Univ Aleppo, Fac Sci, Dept Chem, Aleppo, Syria

*Anal Lett* 2006 **39** (7) 1411

Determination of Cd(II) in some foodstuffs by anodic stripping pulse voltammetry (ASPV) using glassy carbon electrode

Rivero-Huguet M, Huertas R, Francini L, Vila L, Darre E// Lab Technol Uruguay, Dept Atom Spectrometry, Avda Italia 6201, UY-11500 Montevideo, Uruguay

*At Spectrosc* 2006 **27** (2) 48

Concentrations of As, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mn, Mo, Na, Ni, Pb, and Zn in Uruguayan rice determined by atomic absorption spectrometry

Serafimovski I, Karadjova IB, Stafilov T\*, Tsalev DL// \*Univ St Cyril & Methodius, Fac Sci, Inst Chem, POB 162, MK-1000 Skopje, Macedonia

*Microchem J* 2006 **83** (2) 55

Determination of total arsenic and toxicologically relevant arsenic species in fish by using electrothermal and hydride generation atomic absorption spectrometry

Soares ME, Pereira JA, Bastos ML// \*Univ Porto, Fac Farm, Serv Toxicol, REQUIMTE, R Anibal Cunha 164, PT-4050-047 Oporto, Portugal

*J Agric Food Chem* 2006 **54** (11) 3923

Validation of a method to quantify copper and other metals in olive fruit by ETAAS. Application to the residual metal control after olive tree treatments with different copper formulations

Toh Y, Oshima M, Koizumi M, Osa A, Kimura A, Goto J, Hatsukawa Y// Japan Atom Energy Agcy, Nucl Sci & Energy Direct, Ibaraki, Tokai 319 1195, Japan

*Appl Radiat Isot* 2006 **64** (7) 751

Analysis of cadmium in food by multiple prompt  $\gamma$ -ray spectroscopy

Verdaguer A, Gonzalez E, Barcelo J// \*Univ Ramon Llull, ETS Inst Quim Sarria, Dept Quim Anal, Via Augusta 390, ES-08017 Barcelona, Spain

*Afinidad* 2005 **62** (519) 525

Analysis of Pb, Cd, Cu, Fe and Zn in meat products (Spanish, English Abstract)

Xie MY, Li L, Nie SP, Wang XR, Lee FSC// Nanchang Univ, Minist Educ Key Lab Food Sci, CN-330047 Nanchang, Peoples Rep China  
*Eur Food Res Technol* 2006 **223** (2) 202

Determination of speciation of elements related to blood sugar in bioactive extracts from *Cyclocarya paliurus* leaves by FIA-ICP-MS

Yoshida M, Ota S, Fukunaga K, Nishiyama T// Kansai Univ, Fac Engn, Lab Food & Nutr Sci, 3-3-35 Yamate, Suita, Osaka 564 8680, Japan  
*J Trace Elem Med Biol* 2006 **20** (1) 19

Serum molybdenum concentration in healthy Japanese adults determined by inductively coupled plasma-mass spectrometry

Zhou XC, Wang LR, Zeng Y, Lu GH\*, Zhen P// \*Cent China Normal Univ, Coll Chem, CN-430079 Wuhan, Peoples Rep China  
*J AOAC Int* 2006 **89** (3) 782

Determination of magnesium in foods by single-sweep polarography

## 8. Drug, biocide & processing residues

Beaume F, Coelhan M, Parlar H\*// \*Tech Univ Munich, Dept Chem Tech Anal & Chem Food Technol, Weihenstephaner Steig 23, DE-85354 Freising Weihenstephan, Germany  
*Anal Chim Acta* 2006 **565** (1) 89

Determination of C10-chloroalkane residues in fish matrices by short column gas chromatography/electron capture negative ion low resolution mass spectrometry applying single pure and representative synthesised chlorodecanes as standards

Berardi G, Bogianni S, Curini R, Di Corcia A\*, Lagana A// \*Univ Roma La Sapienza, Dipt Chim, Piazza Aldo Moro 5, IT-00185 Rome, Italy  
*J Agric Food Chem* 2006 **54** (13) 4537

Evaluation of a method for assaying sulfonamide antimicrobial residues in cheese: Hot-water extraction and liquid chromatography-tandem mass spectrometry

Choma IM// Marie Curie Sklodowska Univ, Dept Chromatogr Methods, M Sklodowska Sq 3, PL-20031 Lublin, Poland  
*J Planar Chromatogr Mod TLC* 2006 **19** (108) 104

Screening of enrofloxacin and ciprofloxacin residues in milk by HPLC and by TLC with direct bioautography

Cui X, Shao B\*, Zhao R, Yang Y, Hu J, Tu X// \*Beijing Ctr Dis Control & Prevent, Inst Nutr & Food Hyg, CN-100013 Beijing, Peoples Rep China  
*Rapid Commun Mass Spectrom* 2006 **20** (15) 2355

Simultaneous determination of seventeen glucocorticoids residues in milk and eggs by ultra-performance liquid chromatography/electrospray tandem mass spectrometry

Del Carlo M, Pepe A, De Gregorio M, Mascini M, Marty JL, Fournier D, Visconti A, Compagnone D// Univ Teramo, Dept Food Sci, IT-64023 Teramo, Italy  
*J Food Prot* 2006 **69** (6) 1406

An electrochemical bioassay for dichlorvos analysis in durum wheat samples

Diaz-Ferrero J, Grau J, Montana J, Marti R// Univ Ramon Llull, Inst Quim Sarria, Dept Quim Anal, Via Augusta 390, ES-08017 Barcelona, Spain  
*Afinidad* 2005 **62** (519) 433

Study of dioxins, furans and polychlorinated biphenyl fractionation on HPLC using a pyrenil column for their analysis in meat and fish samples (Spanish, English Abstract)

Dumont V, Huet AC, Traynor I, Elliott C, Delahaut P\*// \*Ctr Economie Rurale, Lab Hormonologie Animale, rue Point Jour 8, BE-6900 Marloie, Belgium  
*Anal Chim Acta* 2006 **567** (2) 179

A surface plasmon resonance biosensor assay for the simultaneous determination of thiamphenicol, florefenicol, florefenicol amine and chloramphenicol residues in shrimps

Dyke JV, Kirk AB, Martinelango K, Dasgupta PK\*// \*Texas Tech Univ, Dept Chem & Biochem, Lubbock, Tx 79401, USA  
*Anal Chim Acta* 2006 **567** (1) 73

Sample processing method for the determination of perchlorate in milk

El Aribi H, Le Blanc YJC, Antonsen S, Sakuma T// Applied Biosystems MDS Sciex, 71 Four Valley Dr, Concord, Ontario, Canada L4K 4V8  
*Anal Chim Acta* 2006 **567** (1) 39

Analysis of perchlorate in foods and beverages by ion chromatography coupled with tandem mass spectrometry (IC-ESI-MS/MS)

Ginn R, Wilson L, De Souza SVC\*, De la Calle MB, Barbosa J, Berendsen B, Bockborn I, Brandtner M, Delahaut P, Doering T, Fuerst P, Griffin C, Gude T, Janosi A, Jaus A, Kennedy G, Mandix M, Matencio Hilla E, Plonevez S, Posyniak A, Saari L, Van Bruijnsvoort M, Verdon E, Wohlfarth R// \*Univ Fed Minas Gerais, Fac Farm, Dept Alimentos, Campus UFMG, Av Antonio Carlos 6627, BR-31270-010 Belo Horizonte, MG, Brazil  
*J AOAC Int* 2006 **89** (3) 728

Determination of semicarbazide in baby food by liquid chromatography/tandem mass spectrometry: Interlaboratory validation study

Gomara B, Garcia-Ruiz C, Gonzalez MJ, Marina ML\*// \*Univ Alcala de Henares, Fac Quim, Dept Quim Anal, Ctra Madrid Barcelona km 33.600, ES-28871 Alcala de Henares, Spain  
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Hercegoava A, Domotorova M, Krizilicova D, Matisova E\*// \*Slovak Tech Univ, Fac Chem & Food Technol, Inst Anal Chem, Radlinskeho 9, SK-81237 Bratislava, Slovakia  
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Juan-Garcia A, Font G, Pico Y\*// \*Univ Valencia, Fac Farm, Lab Bromatol & Toxicol, Av Vicent Andres Estelles s/n, ES-46100 Burjassot, Spain  
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Krynitsky AJ, Niemann RA, Williams AD, Hopper ML// US/FDA, Center Food Safety & Applied Nutrition, 5100 Point Branch Pkwy, College Park, Md 20740, USA  
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Li H, Kijak PJ\*, Turnipseed SB, Cui W// \*US/FDA, Ctr Vet Med, Res Off, Laurel, Md 20708, USA  
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Morlock G, Schwack W// Univ Hohenheim, Inst Food Chem, Garbenstr 28, DE-70599 Stuttgart, Germany  
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Nicolich RS, Werneck-Barroso E, Marques MAS// R Fabio da Luz 325 BL1/205, BR-20720-350 Rio de Janeiro, Brazil  
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Ogawa S, Brito NM, Silva MRS, Ribeiro ML, Leite LA, Dorea HS, Navickiene S\*, Abakerli RB, Ferreira JMS// \*Univ Fed Sergipe, Dept Quim, BR-49100-000 Sao Cristovao, SE, Brazil  
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Ohno H, Kawamura Y// Nagoya City Public Health Research Institute, Department Environm Hlth, 1-11 Hagiya-macho, Mizuho ku, Nagoya, Aichi 467 8615, Japan  
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Paik MJ, Choi YM, Kim KR\*// \*Sungkyunkwan Univ, Coll Pharm, Biometabolite Anal Lab, Suwon 440 746, South Korea  
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Pang GF, Fan CL, Liu YM, Cao YZ, Zhang JJ, Li XM, Li ZY, Wu YP, Guo TT// Qinhuangdao Entry-Exit Inspect & Quarantine Bureau, 39 Haibin Rd, CN-066002 Qinhuangdao, Hebei, Peoples Rep China  
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Qiu P, Ni YN\*, Kokot S// \*Nanchang Univ, Dept Chem, CN-330047 Nanchang, Jiangxi, Peoples Rep China  
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- Le Berre M, Kane M\*// \*Natl Univ Ireland, Univ Coll Galway, Natl Diagnost Ctr, Univ Rd, Galway, Rep Ireland  
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Traynor IM, Plumpton L, Fodey TL, Higgins C, Elliott CT// Dept Agr & Rural Dev Nthn Ireland, Vet Sci Div, Stoney Rd, Belfast BT4 3SD, Northern Ireland  
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Waltking AE, Wilson D, Chan D, Dunn E, Humphries J, Kandler H, Sizoo E, Wilson D// Waltking Associates, 482 Rock Rd, Glen Rock, NJ 07452, USA  
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Yman IM, Eriksson A, Johansson MA, Hellenas KE// Natl Food Adm Toxicol Lab, POB 622, SE-75126 Uppsala, Sweden  
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Simultaneous determination of sorbic and benzoic acids in food dressing by headspace solid-phase microextraction and gas chromatography

Ganzera M, Aberham A, Stuppner H// Innsbruck Univ, Inst Pharm, Inrain 52, AT-6020 Innsbruck, Austria  
*J Agric Food Chem* 2006 **54** (11) 3768

Development and validation of an HPLC/UV/MS method for simultaneous determination of 18 preservatives in grapefruit seed extract

Mai HT, Brodie DL, Meyers MB, Baldo AL, Krantz Z, Weisz A// \*US/FDA, Off Cosmet & Colours, Ctr Food Safety & Appl Nutr, College Park, Md 20740, USA  
*Food Addit Contam* 2006 **23** (6) 547

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Saccani G, Tanzi E, Cavalli S, Rohrer J// Univ Parma, Meat Dept, Stazione Sperimentale Ind Conserve Alimentari, Vle Tanara 31/A, IT-43100 Parma, Italy  
*J AOAC Int* 2006 **89** (3) 712

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Scotter MJ, Castle L, Roberts DPT// Dept Environm Food & Rural Affairs, Cent Sci Lab, York YO41 1LZ, England  
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Vazquez-Ortiz FA, Lopez-Franco Y, Goycoolea FM// Ctr Invest Aliment & Desarrollo, Coordinacion Tecnol Alimentos Origen Anim, MX-83000 Hermosillo, Sonora, Mexico  
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Busch JLHC, Hrncrik K, Bulukin E, Boucon C, Mascini M// Unilever R&D, Olivier van Noortlaan 120, NL-3133 AT Vlaardingen, The Netherlands  
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Capitan-Vallvey LF, Valencia MC, Nicolas EA, Garcia-Jimenez JF// Univ Granada, Dept Anal Chem, Campus Fuentenueva, ES-18071 Granada, Spain  
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Resolution of an intense sweetener mixture by use of a flow injection sensor with on-line solid-phase extraction

Carrillo JD, Tena MT// \*Univ La Rioja, Dept Chem, C/ Madre de Dios 51, ES-26006 Logrono, Spain  
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Determination of volatile compounds in antioxidant rosemary extracts by multiple headspace solid-phase microextraction and gas chromatography

Carrillo JD, Tena MT// \*Address as above  
*Anal Bioanal Chem* 2006 **385** (5) 937

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Caven-Quantrill DJ, Buglass AJ// \*Belmay Ltd, Wellingborough NN8 2RN, England  
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Cosio MS, Ballabio D, Benedetti S, Gigliotti C// Univ Milan, Dept Food Sci & Technol, Via Celoria 2, IT-20133 Milan, Italy  
*Anal Chim Acta* 2006 **567** (2) 202

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Eggers NJ, Bohna K, Dooley B// Univ British Columbia, Dept Chem, 3333 Univ Way, Kelowna, Brit Columbia, Canada V1V 1V7  
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Garcia-Gonzalez DL, Barie N, Rapp M, Aparicio R// Inst Grasa - CSIC, Padre Garcia Tejero 4, ES-41012 Seville, Spain  
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Gurbuz O, Rouseff JM, Rouseff RL// \*Univ Florida, Inst Food & Agr Sci, Citrus Res & Educat Ctr, 700 Expt Stn Rd, Lake Alfred, FL 33850, USA  
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Haugen JE, Lundby F, Wold JP, Veberg A// Address as above  
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Detection of rancidity in freeze stored turkey meat using a commercial gas-sensor array system

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Herrmannova M, Krivankova L\*, Bartos M, Vytras K// \*Acad Sci Czech Rep, Inst Anal Chem, Veveří 97, CZ-61142 Brno, Czech Rep  
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Ledauphin J, Lefrancois A, Marquet N, Beljean-Leymarie M, Barillier D// Univ Caen, IUT-UFR Sci, ERCB-EA 3914, 6 Blvd Marechal Juin, FR-14032 Caen, France  
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March RE, Richards DS, Ryan RW// Trent Univ, Dept Chem, 1600 West Bank Dr, Peterborough, Ontario, Canada K9J 7B8  
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Volatile compounds from six species of truffle - Head-space analysis and vapor analysis at high mass resolution

Marin C, Schippa C\*// \*V Mane Fils SA, 620 Route Grasse, FR-06620 Le Bar-sur-Loup, France

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Wang ZM, Ding L, Wang L, Feng J, Li TC, Zhou X, Zhang HQ// Jilin Univ, Coll Chem, CN-130012 Changchun, Jilin, Peoples Rep China

*Chin J Chem* 2006 **24** (5) 649

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Avenzoza A, Busto JH\*, Canal N, Peregrina JM// \*Univ La Rioja, UA - Consejo Superior Investigaciones Cientificas, Dept Quim, Grp Sintesis Quim La Rioja, ES-26006 Logrono, Spain

*J Agric Food Chem* 2006 **54** (13) 4715

Time course of the evolution of malic and lactic acids in the alcoholic and malolactic fermentation of grape must by quantitative <sup>1</sup>H NMR (qHNMR) spectroscopy

Figueiredo IM, Pereira NR, Efraim P, Garcia NHP, Rodrigues NR, Marsaioli A, Marsaioli AJ\*// \*Univ Estadual Campinas, Inst Quim, Dept Quim Organ, POB 6154, BR-13084-971 Campinas, SP, Brazil

*J Agric Food Chem* 2006 **54** (12) 4102

<sup>1</sup>H NMR, a rapid method to monitor organic acids during cupuassu (*Theobroma grandiflorum* Spreng) processing

Gurban AM, Prieto-Simon B, Marty JL, Noguier T\*// \*Univ Perpignan, BIOMEM, 52 Ave Paul Alduy, FR-66860 Perpignan, France

*Anal Lett* 2006 **39** (8) 1543

Malate biosensors for the monitoring of malolactic fermentation: Different approaches

Mato I, Huidobro JF\*, Simal-Lozano J, Sancho MT// \*Univ Santiago de Compostela, Fac Farm, Dept Quim Anal Nutr & Bromatol, Area Nutr & Bromatol, ES-15782 Santiago de Compostela, Spain

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Simultaneous determination of organic acids in beverages by capillary zone electrophoresis

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Colak H, Aydin A, Nazli B, Ergun O// Istanbul Univ, Fac Vet Med, Dept Food Hyg & Technol, TR-34320 Istanbul, Turkey

*Food Control* 2006 **17** (11) 905

Detection of presence of cow's milk in sheep's cheeses by immunochromatography

Haasnoot W, Marchesini GR, Koopal K// RIKILT, Inst Food Safety, POB 230, NL-6700 AE Wageningen, The Netherlands

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Hird H, Chisholm J, Sanchez A, Hernandez M, Goodier R, Schneede K, Boltz C, Popping B// Cent Sci Lab, York YO41 1LZ, England

*Food Addit Contam* 2006 **23** (7) 645

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Hurley IP, Coleman RC, Ireland HE, Williams JHH\*// \*University Chester, Department Biol Sci, Chester Ctr Stress Res, Parkgate Rd, Chester CH1 4BJ, England

*Int Dairy J* 2006 **16** (7) 805

Use of sandwich IgG ELISA for the detection and quantification of adulteration of milk and soft cheese

Infante C, Manchado M// IFAPA CICE Junta Andalucia, CIFPA El Toruno, Lab Identificacion Especies Pesqueras & Acuicolas, ES-11500 El Puerto de Santa Maria, Cadiz, Spain

*J AOAC Int* 2006 **89** (3) 708

Multiplex-polymerase chain reaction assay for the authentication of the mackerel *Scomber colias* in commercial canned products

Karoui R, Mouazen AM, Dufour E, Schoonheydt R, De Baerdemaeker // Katholieke University Leuven, Department Biosystems, Division Mechatronics Biostatistics & Sensors, Kasteelpark Arenberg 30, BE-3001 Louvain, Belgium

*Eur Food Res Technol* 2006 **223** (3) 363

A comparison and joint use of VIS-NIR and MIR spectroscopic methods for the determination of some chemical parameters in soft cheeses at external and central zones: A preliminary study

Manchado M, Rebordinos L, Infante C// IFAPA CICE Junta Andalucia, CIFPA El Toruno, Camino Pichon s/n, ES-11500 El Puerto de Santa Maria, Cadiz, Spain

*J Agric Food Chem* 2006 **54** (11) 3765

U1 and U2 small nuclear RNA genetic linkage: A novel molecular tool for identification of six sole species (Soleidae, Pleuronectiformes)

Mateo A, Soto F, Villarejo JA, Roca-Dorda J, De la Gandara F, Garcia A// Univ Politecnica Cartagena, Dept Tecnol Electronica, Doctor Fleming s/n, Campus Muralla Mar, ES-30202 Cartagena, Murcia, Spain

*Aquacult Eng* 2006 **35** (1) 1

Quality analysis of tuna meat using an automated color inspection system

Seregely Z, Farkas J, Tuboly E, Dalmadi I// Corvinus Univ Budapest, Fac Food Sci, Dept Refrigeration & Livestock Prod Technol, Menesi ut 45, HU-1181 Budapest, Hungary

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Investigating the properties of egg white pasteurised by ultra-high hydrostatic pressure and gamma irradiation by evaluating their NIR spectra and chemosensor array sensor signal responses using different methods of qualitative analysis

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