

## Bibliography of analytical methods

(4 weeks journals. Search completed at 23rd. Apr. 2008)

### 1. Reviews

Boyce MC// Edith Cowan Univ, Sch Nat Sci, 100 Joondalup Dve, Churchlands, WA 6027, Australia

*Electrophoresis* 2007 **28** (22) 4046

Determination of additives and organic contaminants in food by CE and CEC

Castro-Puyana M, Crego AL, Marina ML, Garcia-Ruiz C\*// \*Univ Alcalá de Henares, Fac Quim, Dept Quim Anal, Ctra Madrid-Barcelona km 33.600, ES-28871 Alcalá de Henares, Madrid, Spain

*Electrophoresis* 2007 **28** (22) 4031

CE methods for the determination of non-protein amino acids in foods

García-Canas V, Cifuentes A// Instituto Fermentaciones Industriales - Consejo Superior Investigaciones Científicas, Juan de la Cierva 3, ES-28006 Madrid, Spain

*Electrophoresis* 2007 **28** (22) 4013

Detection of microbial food contaminants and their products by capillary electromigration techniques

Gowen AA, O'Donnell CP, Cullen PJ, Downey G, Frias JM// University College Dublin, School Agriculture Food Science & Veterinary Med, Dublin 2, Rep Ireland

*Trends Food Sci Technol* 2007 **18** (12) 590

Hyperspectral imaging - An emerging process analytical tool for food quality and safety control

Morlock GE, Schwack W// Univ Hohenheim, Inst Food Chem, Garbenstr 28, DE-70599 Stuttgart, Germany

*J Planar Chromatogr Mod TLC* 2007 **20** (6) 399

The contribution of planar chromatography to food analysis

Reig M, Toldra F\*// \*Instituto Agroquímica & Tecnología Alimentos - Consejo Superior Investigaciones Científicas, CxP 73, ES-46100 Burjassot, Valencia, Spain

*Meat Sci* 2008 **78** (1-2) 60

Veterinary drug residues in meat: Concerns and rapid methods for detection

Ricci F, Volpe G, Micheli L, Palleschi G// Univ Roma Tor Vergata, Dipt Sci & Tecnol Chim, Via Ricerca Sci, IT-00133 Rome, Italy

*Anal Chim Acta* 2007 **605** (2) 111

A review on novel developments and applications of immunosensors in food analysis

Rychlik M, Asam S// Tech Univ Munich, Lehrstuhl Lebensmittelchem, Lichtenbergstr 4, DE-85748 Garching, Germany

*Anal Bioanal Chem* 2008 **390** (2) 617

Stable isotope dilution assays in mycotoxin analysis

Stolker AAM, Zuidema T, Nielen MWF// RIKILT - Inst Food Safety, Bornsesteeg 45, POB 230, NL-6700 AE Wageningen, The Netherlands

*Trends Anal Chem* 2007 **26** (10) 967

Residue analysis of veterinary drugs and growth-promoting agents

Vallejo-Cordoba B, Gonzalez-Cordova AF// AC CIAD, Ctr Invest Alimentacion & Desarrollo, Lab Calidad & Autenticidad Alimentos, Ctra La Victoria km 0.6, MX-83000 Hermosillo, Sonora, Mexico

*Electrophoresis* 2007 **28** (22) 4063

CE: A useful analytical tool for the characterization of Maillard reaction products in foods

### 2. General

Gao Amin MH, Nott KP, Hall LD// Univ Cambridge, Sch Clin Med, Herchel Smith Lab Med Chem, Robinson Way, Cambridge CB2 2PZ, England

*Int J Food Sci Technol* 2007 **42** (12) 1408

Quantitation by magnetic resonance imaging of heating of commercial baby foods in glass jars

Le Grand F, Cambert M, Mariette F\*// \*Cemagref, IRM-Food, Food Proc Engn Res Unit, 17 Ave de Cucille, FR-35044 Rennes, France

*J Agric Food Chem* 2007 **55** (26) 10947

NMR signal analysis to characterize solid, aqueous, and lipid phases in baked cakes

### 3. Amino acids, proteins & enzymes

D'Orazio G, Cifuentes A, Fanali S\*// \*CNR, Inst Chem Method, Area Ricerca Roma 1, Via Salaria km 29.300, IT-00016 Monterotondo Scalo, Rome, Italy

*Food Chem* 2008 **108** (3) 1114

Chiral nano-liquid chromatography-mass spectrometry applied to amino acids analysis for orange juice profiling

Erym GL, Marina ML, Cifuentes A\*// \*Inst Ind Fermentaciones Ind - CSIC, Juan de la Cierva 3, ES-28006 Madrid, Spain

*Electrophoresis* 2007 **28** (22) 4192

CE-MS of zein proteins from conventional and transgenic maize

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

*Electrophoresis* 2007 **28** (22) 4202

Identification of novel angiotensin-converting enzyme-inhibitory peptides from ovine milk proteins by CE-MS and chromatographic techniques

Goodall S, Grandison AS\*, Jauregi PJ, Price J// \*Univ Reading, Dept Food Sci, Reading RG6 6AP, England

*J Dairy Sci* 2008 **91** (1) 1

Selective separation of the major whey proteins using ion exchange membranes

Horneffer V, Foster TJ, Velikov KP\*// \*Unilever Res & Dev Vlaardingen, Unilever Food & Hlth Res Inst, Olivier van Noortlann 120, NL-3133 AT Vlaardingen, The Netherlands

*J Agric Food Chem* 2007 **55** (26) 10505

Fast characterization of industrial soy protein isolates by direct analysis with matrix-assisted laser desorption/ionization time-of-flight mass spectrometry

Kohama J, Sait K, Sakamoto H, Inaiasakii Y, Ito R, Horie M, Nakazaiata H// Hoshi Univ, Dept Anal Chem, 2-4-41 Ebara, Shinagawa ku, Tokyo 142 8501, Japan

*Bunseki Kagaku* 2007 **56** (12) 1019

Enantiomeric determination of proline in liquid food by high-performance liquid chromatography/mass spectrometry (Japanese, English Abstract)

Moatsou G, Molle D, Moschopoulou E, Valerie G// Agric Univ Athens, Dept Food Sci & Technol, Lab Dairy Sci & Technol, Iera Odos 75, GR-11855 Athens, Greece

*Protein J* 2007 **26** (8) 562

Study of caprine  $\beta$ -casein using reversed-phase high-performance liquid chromatography and mass spectrometry: Identification of a new genetic variant

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 Reviews; 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.

Natarajan SS, Xu CP, Bae HH, Caperna TJ, Garrett W// USDA/ARS, Soybean Genomics & Improvement Lab, Baltimore Ave, Beltsville, Md 20705, USA

*Plant Mol Biol Rep* 2007 **25** (1-2) 55

Determination of optimal protein quantity required to identify abundant and less abundant soybean seed proteins by 2D-PAGE and MS

Qi L, Liu MR, Guo ZP, Xie MY, Qiu CG, Chen Y\*// \*Chinese Acad Sci, Inst Chem, Beijing Natl Lab Mol Sci, Lab Anal Chem Life Sci, POB 2709, CN-100080 Beijing, Peoples Rep China

*Electrophoresis* 2007 **28** (22) 4150

Assay of aromatic amino acid enantiomers in rice-brewed suspensions by chiral ligand-exchange CE

Ren JY, Zhao MM\*, Wang JS, Cui C, Yang B// \*China Univ Technol, Coll Light Ind & Food Sci, CN-510640 Ghangzhou, Peoples Rep China

*Food Technol Biotechnol* 2007 **45** (4) 360

Spectrophotometric method for determination of tryptophan in protein hydrolysates

Yamamoto D, Kaneta T, Imasaka T\*// \*Kyushu Univ, Grad Sch Engr, Dept Appl Chem, Fukuoka 819 0395, Japan

*Electrophoresis* 2007 **28** (22) 4143

Postcolumn reactor using a laser-drilled capillary for light-emitting diode-induced fluorescence detection in CE

Zocca F, Lomolino G, Spettoli P, Lante A\*// \*Univ Padua, Dipt Biotechnol Agric, Viale Univ 16, IT-35020 Legnaro, Italy

*Electrophoresis* 2007 **28** (21) 3992

Deriphath 2-DE to visualize polyphenol oxidase in Moscato and Prosecco grapes

#### 4. Carbohydrates

Chen JY, Zhang H, Matsunaga R// Akita Prefectural Univ, Fac Bioresources Sci, Akita 010 0195, Japan

*Food Sci Technol Res* 2007 **13** (4) 291

Visible and near infrared spectroscopy for rapid analysis of the sugar composition of raw ume juice

Dubat A// Chopin Technol, Flour Dept, 29 Ave Marcelin Bethelot, FR-92390 Villeneuve la Garenne, France

*Cereal Food World* 2007 **52** (6) 319

Collaborative study concerned with measuring damaged starch using an amperometric method

Gabriel AA// Hiroshima Univ, Grad Sch Biosphere Sci, Lab Food Microbiol & Hyg, 1-4-4 Kagamiyama, Higashi-Hiroshima 739 8528, Japan

*Food Chem* 2008 **108** (3) 1106

Estimation of water activity from pH and °Brix values of some food products

Kuhnle GGC, Joosen AMCP, Wood TR, Runswick SA, Griffin JL, Bingham SA\*// \*MRC Dunn Human Nutr Unit, Cambridge CB2 0XY, England

*Rapid Commun Mass Spectrom* 2008 **22** (3) 279

Detection and quantification of sucrose as dietary biomarker using gas chromatography and liquid chromatography with mass spectrometry

Ninonuevo MR, Perkins PD, Francis J, Lamotte LA, LoCascio RG, Freeman SL, Mills DA, German JB, Grimm R, Lebrilla CB\*// \*Univ Calif Davis Sch Med, Dept Chem & Biochem, 1 Shields Ave, Davis, Ca 95616, USA

*J Agric Food Chem* 2008 **56** (2) 618

Daily variations in oligosaccharides of human milk determined by microfluidic chips and mass spectrometry

Qian WL, Khan Z, Watson DG\*, Fearnley J// \*Univ Strathclyde, Dept Pharmaceut Sci, 27 Taylor St, Glasgow G4 0NR, Scotland

*J Food Compos Anal* 2008 **21** (1) 78

Analysis of sugars in bee pollen and propolis by ligand exchange chromatography in combination with pulsed amperometric detection and mass spectrometry

Yue W, Yao P\*, Wei Y, Li S, Lai F, Liu X// \*Guangxi Univ, Coll Life Sci & Technol, CN-530004 Nanning, Peoples Rep China

*Food Chem* 2008 **108** (3) 1082

An innovative method for preparation of acid-free-water-soluble low-molecular-weight chitosan (AFWSLMWC)

#### 5. Lipids

Colazo MG, Ambrose DJ\*, Kastelic JP, Small JA// \*Alberta Agric & Food, Suite 204, 7000-113th St, Edmonton, Alberta, Canada T6H 5T6

*Can J Vet Res* 2008 **72** (1) 32

Comparison of 2 enzyme immunoassays and a radioimmunoassay for measurement of progesterone concentrations in bovine plasma, skim milk, and whole milk

Durrani AI, Schwartz H, Schmid W, Sontag G\*// \*Univ Vienna, Inst Anal & Food Chem, Währinger Str 38, AT-1090 Vienna, Austria

*J Pharm Biomed Anal* 2007 **45** (4) 694

α-Lipoic acid in dietary supplements: Development and comparison of HPLC-CEAD and HPLC-ESI-MS methods

Garcia-Gonzalez DL, Viera M, Tena N, Aparicio R\*// \*Inst Grasa - CSIC, Padre Garcia Tejero 4, ES-41012 Seville, Spain

*Grasas Aceites* 2007 **58** (4) 344

Evaluation of the methods based on triglycerides and sterols for the detection of hazelnut oil in olive oil

Guillen MD, Goicoechea E// Univ Pais Vasco, Fac Farm, Tecnol Alimentos, Paseo Universidad 7, ES-01006 Vitoria, Spain

*J Agric Food Chem* 2007 **55** (26) 10729

Detection of primary and secondary oxidation products by Fourier transform infrared spectroscopy (FTIR) and <sup>1</sup>H nuclear magnetic resonance (NMR) in sunflower oil during storage

Gurdeniz G, Tokatli F, Ozen B\*// \*Izmir Inst Technol, Dept Food Engr, Urla, Izmir, Turkey

*Eur J Lipid Sci Technol* 2007 **109** (12) 1194

Differentiation of mixtures of monovarietal olive oils by mid-infrared spectroscopy and chemometrics

Lerma-Garcia MJ, Herrero-Martinez JM, Ramis-Ramos G, Simo-Alfonso EF// Univ Valencia, Fac Chem, Dept Anal Chem, C/ Dr Moliner 50, ES-46100 Burjassot, Valencia, Spain

*Food Chem* 2008 **108** (3) 1142

Prediction of the genetic variety of Spanish extra virgin olive oils using fatty acid and phenolic compound profiles established by direct infusion mass spectrometry

Lisa M, Lynen F, Holcapek M, Sandra P\*// \*Univ Ghent, Dept Organ Chem, Krijgslaan 281 S4, BE-9000 Ghent, Belgium

*J Chromatogr A* 2007 **1176** (1-2) 135

Quantitation of triacylglycerols from plant oils using charged aerosol detection with gradient compensation

Matharu Z, Sumana G, Arya SK, Singh SP, Gupta V, Malhotra BD\*// \*Natl Phys Lab, Biomol Elect & Conducting Polymer Res Grp, Dr Krishnan Rd, IN-110012 New Delhi, India

*Langmuir* 2007 **23** (26) 13188

Polyaniline Langmuir-Blodgett film based cholesterol biosensor

Petrosino T, Ricciari R, Blasi F, Brutti M, D'Arco G, Bosi A, Maurelli S, Cossignani L, Simonetti MS, Damiani P\*// \*Univ Perugia, Dept Econ Sci & Food Sci, Via San Costanzo, IT-06126 Perugia, Italy

*J AOAC Int* 2007 **90** (6) 1647

Original normal-phase high-performance liquid chromatographic separation of monoacylglycerol classes from extra virgin olive oil triacylglycerols for their stereospecific analysis

Starek M, Krzek J, Michnik S// Jagiellonian Univ, Dept Inorgan & Anal Chem, Medyczna 9, PL-30688 Krakow, Poland

*J Planar Chromatogr Mod TLC* 2007 **20** (5) 327

TLC-densitometric analysis of α-sitosterol in pumpkin seed oil

Tur'yan YI, Kardash E, Garibyan I// Natl Phys Lab, Givat Ram, IL-91904 Jerusalem, Israel

*J Am Oil Chem Soc* 2008 **85** (1) 91

pH-metric determination of free fatty acids in oils and fats during frying in the absence of a chemical laboratory (Letter)

Virost M, Tomao V\*, Colnagui G, Visinoni F, Chemat F// \*Univ Avignon & Pays Vaucluse, UMR A 408 INRA UAPV, 33 rue Pasteur, FR-84029 Avignon, France

*J Chromatogr A* 2007 **1174** (1-2) 138

New microwave-integrated Soxhlet extraction an advantageous tool for the extraction of lipids from food products

Wagner KH, Plasser E, Proell C, Kanzler S// Univ Vienna, Dept Nutr Sci, Althanstr 14, AT-1090 Vienna, Austria

*Food Chem* 2008 **108** (3) 1054

Comprehensive studies on the *trans* fatty acid content of Austrian foods: Convenience products, fast food and fats

Yu XZ, Van de Voort FR\*, Sedman J// \*McGill Univ, Dept Food Sci & Agric Chem, 21 111 Lakeshore Rd, Ste Anne de Bellevue, Quebec, Canada H9X 3V9

*Talanta* 2007 **74** (2) 241

Determination of peroxide value of edible oils by FTIR spectroscopy with the use of the spectral reconstitution technique

#### 6. Vitamins & co-factors

Gruszka J, Kruk J\*// Jagiellonian Univ, Dept Plant Physiol & Biochem, ul Gronostajowa 7, PL-30387 Krakow, Poland

*Chromatographia* 2007 **66** (11-12) 909

RP-LC for determination of plastoquinone, tocotrienols and tocopherols in plant oils

Jaime L, Mendiola JA, Ibanez E, Martin-Alvarez PJ, Cifuentes A, Reglero G, Senorans FJ// Univ Autonoma Madrid, Seccion Dept Ciencias Alimentacion, Campus Cantoblanco, ES-28049 Madrid, Spain

*J Agric Food Chem* 2007 **55** (26) 10585

β-Carotene isomer composition of sub- and supercritical carbon dioxide extracts. Antioxidant activity measurement

Kamao M, Tsugawa N, Suhara Y, Wada A, Mori T, Murata K, Nishino R, Ukita T, Uenishi K, Tanaka K, Okano T\*// \*Kobe Pharmaceut Univ, Dept Hyg Sci, 4-19-1 Motoyamakita machi, Higashinada ku, Kobe, Hyogo 658 8558, Japan  
*J Chromatogr B* 2007 **859** (2) 192

Quantification of fat-soluble vitamins in human breast milk by liquid chromatography-tandem mass spectrometry

Lerma-Garcia MJ, Simo-Alfonso EF, Ramis-Ramos G, Herrero-Martinez JM\*// \*Univ Valencia, Dept Anal Chem, ES-46100 Valencia, Spain

*Electrophoresis* 2007 **28** (22) 4128

Determination of tocopherols in vegetable oils by CEC using methacrylate ester-based monolithic columns

Nejati-Yazdinejad M// Zabol Univ, Fac Sci, Dept Chem, PO Box 98615-538, Zabol, Iran

*Int J Food Sci Technol* 2007 **42** (12) 1402

Indirect determination of ascorbic acid (vitamin C) by spectrophotometric method

Neyestani TR, Gharavi A, Kalayi A// Shaheed Beheshti Med Univ, Natl Nutr & Food Technol Res Inst, Lab Nutr Res, Tehran, Iran

*Int J Vitam Nutr Res* 2007 **77** (5) 341

Determination of serum 25-hydroxy cholecalciferol using high-performance liquid chromatography: A reliable tool for assessment of vitamin D status

Niestroj A// Silesian University, Inst Chem, 9 Szkolna St, PL-40006 Katowice, Poland

*J Planar Chromatogr Mod TLC* 2007 **20** (6) 483

Comparison of methods for calculation of the partition coefficients of selected tocopherols

Qiu JD, Hu PF, Liang RP// Nanchang Univ, Dept Chem, CN-330031 Nanchang, Peoples Rep China

*Anal Sci* 2007 **23** (12) 1409

Separation and simultaneous determination of uric acid and ascorbic acid on a dynamically modified poly(dimethylsiloxane) microchip

Skeika T, Marcovicz C, Nakagaki S, Fujiwara ST, Wohnrath K, Nagata N, Pessoa CA\*// \*Univ Estadual Ponta Grossa, Dept Chem, POB 84030-900, Ponta Grossa, PR, Brazil

*Electroanalysis* 2007 **19** (24) 2543

Electrochemical studies of an iron porphyrin immobilized on Nb<sub>2</sub>O<sub>5</sub>/SiO<sub>2</sub> and its application for simultaneous determination of dopamine and ascorbic acid using multivariate calibration methodology

## 7. Trace elements & minerals

Baudino OM, De Pedernera MM, Calderon CEG, Suero EA// Univ Nacl San Juan, Fac Ingn, Inst Biotecnol, Avda Libertador 1109 Oeste, AR-5400 San Juan, Argentina

*Spanish J Agric Res* 2007 **5** (4) 506

Use of 4-(5-Br-2 pyridylazo)-1,3-diaminobenzene (5-Br-PADAB) for the spectrometric determination of cobalt in wine

Chang LF, Jiang SJ\*, Sahayam AC// \*Natl Sun Yat Sen Univ, Dept Chem, Kaohsiung 80424, Taiwan

*J Chromatogr A* 2007 **1176** (1-2) 143

Speciation analysis of mercury and lead in fish samples using liquid chromatography-inductively coupled plasma mass spectrometry

Chen JH, Wang KE, Jiang SJ\*// \*Natl Sun Yat Sen Univ, Dept Chem, Kaohsiung 80424, Taiwan

*Electrophoresis* 2007 **28** (22) 4227

Determination of iodine and bromine compounds in foodstuffs by CE-inductively coupled plasma MS

Choi SM, Lee HS, Lee GH\*, Han JK// \*Chungnam Nat Univ, Dept Chem, 220 Gung-dong, Yuseong-gu, Daejeon 305 764, South Korea

*Food Chem* 2008 **108** (3) 1149

Determination of the strontium isotope ratio by ICP-MS ginseng as a tracer of regional origin

Cunningham WC// US/FDA, Chem Contaminants Branch HFS-716, Ctr Food Safety & Appl Nutritions, 5100 Paint Branch Parkway, College Park, Md 20740, USA

*J Food Compos Anal* 2008 **21** (1) 35

Study of cryogenic procedures for preparation of food for element analysis

Fathi MR, Hashemi P, Abolhasan-Oghly MW// Shahid Chamran Univ, Fac Sci, Dept Chem, Ahwaz, Iran

*J Chin Chem Soc* 2007 **54** (5) 1253

Highly sensitive and selective determination of manganese in tea leaves by a catalytic kinetic spectrophotometric method

Gholivand MR, Ahmadi F, Sohrabi A// Razi Univ, Fac Sci, Dept Chem, Kermanshah, Iran

*Electroanalysis* 2007 **19** (23) 2465

Adsorptive stripping voltammetric determination of ultra trace of zinc and lead with carbidopa as complexing agent in food and water samples

Huang C, Hu B\*, He M, Duan J// \*Wuhan Univ, Dept Chem, CN-430072 Wuhan, Peoples Rep China

*J Mass Spectrom* 2008 **43** (3) 336

Organic and inorganic selenium speciation in environmental and biological samples by nanometer-sized materials packed dual-column separation/preconcentration on-line coupled with ICP-MS

Jalbani N, Kazi TG\*, Jamali MK, Arain MB, Afrid HI, Sheerazi ST, Ansari R// \*Univ Sindh, Ctr Excellence Anal Chem, Jamshoro, Pakistan

*J AOAC Int* 2007 **90** (6) 1682

Application of fractional factorial design and Doehlert matrix in the optimization of experimental variables associated with the ultrasonic-assisted acid digestion of chocolate samples for aluminum determination by atomic absorption spectrometry

Kumar AP, Reddy PR, Reddy VK// Sri Krishnadevaraya Univ, Dept Chem, IN-515003 Anantapur, Andhra Pradesh, India

*J Chil Chem Soc* 2007 **52** (4) 1309

Direct and second derivative spectrophotometric determination of molybdenum(VI) in food stuffs and in alloy steels using 2-hydroxy-3-methoxy benzaldehyde thiosemicarbazone (HMBATSC)

Lado K, Then M, May Z, Szentmihalyi K\*// \*Hungarian Acad Sci, Inst Material & Environm Chem, Chem Res Ctr, Pusztaszeri ut 59-67, HU-1025 Budapest, Hungary

*Acta Aliment* 2007 **36** (4) 415

Element determination in volatile oil containing fennel (*Foeniculum vulgare*) by ICP-OES and polarography

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

*J Brazil Chem Soc* 2007 **18** (8) 1547

Fe, Mn and Zn distribution in protein fractions of Brazil-nut, cupuassu seed and coconut pulp by solid-liquid extraction and electrothermal atomic absorption spectrometry

Park K, Cho K, Kang N// Korea Research Institute Stand & Science, Division Metrol Quality Life, 1 Doryoung dong, Yuseong gu, Taejon 305 340, South Korea

*J Radioanal Nucl Chem* 2008 **275** (1) 155

Determination of arsenic in a KRISSE candidate Oyster Tissue certified reference material by instrumental neutron activation analysis

Reis PA, Valente LMP, Almeida CMR// Univ Porto, Lab Quim, Ctr Interdisciplinar Invest Marinha Ambiental, Rua Bragas 289, PT-4050-123 Porto, Portugal

*Food Chem* 2008 **108** (3) 1094

A fast and simple methodology for determination of yttrium as an inert marker in digestibility studies

Swoboda S, Brunner M, Boulyga SF, Galler P, Horacek M, Prohaska T\*// \*Univ Nat Resources & Appl Life Sci, Dept Chem-VIRIS Project, Muthgasse 18, AT-1190 Vienna, Austria

*Anal Bioanal Chem* 2008 **390** (2) 487

Identification of Marchfeld asparagus using Sr isotope ratio measurements by MC-ICP-MS

Sze KL, Yeung WSB, Fung YS\*// \*Univ Hong Kong, Dept Chem, Pokfulam Rd, Hong Kong, Peoples Rep China

*Electrophoresis* 2007 **28** (22) 4156

Separation and determination of metal cations in milk and dairy products by CE

Yanada Y, Hokura A, Matsuda K, Mizuhira M, Nakai I// Tokyo University Science, Fac Sci, Dept Appl Chem, 1-3 Kagurazaka, Shinjuku ku, Tokyo 162 8601, Japan

*Bunseki Kagaku* 2007 **56** (12) 1053

High-sensitive determination of inorganic elements in spinach leaves by X-ray fluorescence analysis and its application to identification of their production area

## 8. Drug, biocide & processing residues

Bailon-Perez MI, Garcia-Campana AM\*, Cruces-Blanco C, Del Olmo Iruela M// \*Univ Granada, Fac Sci, Dept Anal Chem, Avda Fuentenueva s/n, ES-18071 Granada, Spain

*Electrophoresis* 2007 **28** (22) 4082

Large-volume sample stacking for the analysis of seven  $\beta$ -lactam antibiotics in milk samples of different origins by CZE

Baskan S, Erim FB\*// \*Istanbul Tech Univ, Dept Chem, TR-34469 Istanbul, Turkey

*Electrophoresis* 2007 **28** (22) 4108

NACE for the analysis of acrylamide in food

Bhat R, Sridhar KR\*// \*Mangalore Univ, Dept Biosci, Mangalagangothri, IN-574199 Mangalore, India

*Food Sci Technol Int* 2007 **13** (4) 249

Detection of free radicals in electron beam-irradiated *Mucuna pruriens* (L. DC.) seeds by electron spin resonance

- Bononi M, Tateo F// \*Univ Milan, Fac Agric, Anal Res Lab Food & Environm, Via Celoria 2, IT-20133 Milan, Italy  
*J Food Compos Anal* 2008 **21** (1) 84  
Liquid chromatography/tandem chloramphenicol in propolis extracts available on the Italian market
- Borges JH, Ravelo-Perez LM, Hernandez-Suarez EM, Carnero A, Rodriguez-Delgado MA// ICIA, Dept Proteccion Vegetal, Apdo 60, ES-38200 Tenerife, Islas Canarias, Spain  
*Chromatographia* 2008 **67** (1-2) 69  
Determination of abamectin residues in avocados by microwave-assisted extraction and HPLC with fluorescence detection
- Campbell JA, Wunschel DS, Petersen CE// Pacific NW Natl Lab, PO Box 99, MS P8-08, Richland, Wa 99352, USA  
*Anal Lett* 2007 **40** (16) 3107  
Analysis of melamine, cyanuric acid, ammelide, and ammeline using matrix-assisted laser desorption ionization/time-of-flight mass spectrometry (MALDI/TOFMS)
- Chen ZL, Zhang H, Liu B, Yang GS, Aboul-Enein HY\*, Wang WB, Ding RY, Du HX, Li HD// \*Natl Res Ctr, Pharmaceut & Med Chem Dept, Pharmaceut & Drug Ind Res Div, EG-12311 Cairo, Egypt  
*Chromatographia* 2007 **66** (11-12) 887  
Determination of herbicide residues in garlic by GC-MS
- Christodoulou EA, Samanidou VF\*, Papadoyannis LN// \*Aristotle Univesity Thessaloniki, Department Chem, Anal Chem Lab, GR-54124 Thessaloniki, Greece  
*J Chromatogr B* 2007 **859** (2) 246  
Validation of an HPLC-UV method according to the European Union Decision 2002/657/EC for the simultaneous determination of 10 quinolones in chicken muscle and egg yolk
- Chu QC, Geng CH, Zhou H, Ye JN// East China Normal Univ, Dept Chem, CN-200062 Shanghai, Peoples Rep China  
*Chin J Chem* 2007 **25** (12) 1832  
Fast determination of clenbuterol and salbutamol in feed and meat products based on miniaturized capillary electrophoresis with amperometric detection
- Cliquet P, Goddeeris BM, Okerman L, Cox E// \*Univ Ghent, Fac Vet Med, Lab Vet Immunol, Salisburylaan 133, BE-9820 Merelbeke, Belgium  
*Food Agric Immunol* 2007 **18** (3-4) 237  
Production of penicillin-specific polyclonal antibodies for a group-specific screening ELISA
- Diana F, Paleologo M, Persic L// Tecna SRL, Area Sci Pk, Padriciano 99, Trieste, Italy  
*Food Addit Contam* 2007 **24** (12) 1345  
Validation of two enzyme immunoassays for aminoglycoside residues according to European Decision 657/2002
- Diaz-Plaza EM, Cortes JM, Vazquez A, Villen J// \*Universidad Castilla La Mancha, Escuela Tecnica Super Ingn Agron, Campus Univ s/n, ES-02071 Albacete, Spain  
*J Chromatogr A* 2007 **1174** (1-2) 145  
Automated determination of pesticide residues in olive oil by on-line reversed-phase liquid chromatography-gas chromatography using the through oven transfer adsorption desorption interface with electron-capture and nitrogen-phosphorus detectors operating simultaneously
- Ehling S, Tefera S, Ho IP// Grocery Manufacturers/Food Prod Association, 1350 I St NW, Suite 300, Washington, DC 20005, USA  
*Food Addit Contam* 2007 **24** (12) 1319  
High-performance liquid chromatographic method for the simultaneous detection of the adulteration of cereal flours with melamine and related triazine by-products ammeline, ammelide, and cyanuric acid
- Fan W, Yue YD\*, Tang F, Cao HQ// \*Int Ctr Bamboo & Rattan, CN-100102 Beijing, Peoples Rep China  
*J Planar Chromatogr Mod TLC* 2007 **20** (6) 419  
Use of HPTLC for simultaneous determination of three fungicides in tomatoes
- Fan YX, Gan X, Li S, Qin WD// \*Beijing Normal Univ, Coll Chem, CN-100875 Beijing, Peoples Rep China  
*Electrophoresis* 2007 **28** (22) 4101  
A rapid CE-potential gradient detection method for determination of quinolones
- Fenoll J, Hellin P, Lopez J, Gonzalez A, Flores P// Instituto Murciano Investigacion & Desarrollo Agric & Aliment, C/ Mayor s/n, ES-30150 Murcia, Spain  
*J AOAC Int* 2007 **90** (6) 1670  
Determination of pesticide residues in lettuce by gas chromatography with electron-capture detection
- Fernandes JO, Soares C// Univ Porto, Fac Farm, Serv Bromatol, REQUIMTE, Rua Anibal Cunha 164, PT-4099-030 Oporto, Portugal  
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