

Bibliography of analytical, nutritional and clinical methods

(3 weeks journals. Search completed at 24th May 2006)

2. General

Ciosek P, Sobanski T, Augustyniak E, Wroblewski W// Warsaw Univ Technol, Fac Chem, Noakowskiego 3, Warsaw, Poland
Meas Sci Technol 2006 **17** (1) 6

ISE-based sensor array system for classification of foodstuffs

Emons H, Held A, Ulberth F// Commiss European Communities Joint Res Ctr, Inst Reference Mat & Measurements, Retieseweg 111, BE-2440 Geel, Belgium
Pure Appl Chem 2006 **78** (1) 135

Reference materials as crucial tools for quality assurance and control in food analysis

Fernandez-Cabanias VM, Garrido-Varo A, Perez-Marin D, Dardenne P// Univ Seville, Escuela Univ Ingn Tecnica Agricola, Ctra Utrera km 1, ES-41013 Seville, Spain
Appl Spectrosc 2006 **60** (1) 17

Evaluation of pretreatment strategies for near-infrared spectroscopy calibration development of unground and ground compound feedingstuffs

3. Amino acids, proteins & enzymes

Castro-Rubio A, Garcia MC, Marina ML// *Universidad Alcala de Henares, Fac Quimica, Departamento Quim Analit, ES-28871 Alcala de Henares, Madrid, Spain

Anal Chim Acta 2006 **558** (1-2) 28

Rapid separation of soybean and cereal (wheat, corn, and rice) proteins in complex mixtures: Application to the selective determination of the soybean protein content in commercial cereal-based products

Lopez-Cervantes J, Sanchez-Machado DI*, Rosas-Rodriguez JA// *Inst Technol Sonora, Dept Biotecnol & Ciencias Alimentarias, PO Box 541, MX-85139 Obregon, Sonora, Mexico
J Chromatogr A 2006 **1105** (1-2) 106

Analysis of free amino acids in fermented shrimp waste by high-performance liquid chromatography

Thoma C, Krause I, Kulozik U// Tech Univ Munich, Cent Inst Nutr & Food Res, Munich, Germany
Int Dairy J 2006 **16** (4) 285

Precipitation behaviour of caseinomacropolymers and their simultaneous determination with whey proteins by RP-HPLC

4. Carbohydrates

Ghosh N, Verma Y, Majumder SK, Gupta PK// *Ctr Adv Technol, Biomed Applicat Sect, IN-452013 Indore, India

Food Sci Technol Res 2005 **11** (1) 59

A fluorescence spectroscopic study of honey and cane sugar syrup

5. Lipids

Bang DY, Kang DJ, Moon MH// *Yonsei Univ, Dept Chem, Seoul 120 749, South Korea

J Chromatogr A 2006 **1104** (1-2) 222

Nanoflow liquid chromatography-tandem mass spectrometry for the characterization of intact phosphatidylcholines from soybean, bovine brain, and liver

Kotyk JJ, Pagel MD, Deppermann KL, Colletti RE*, Hoffman HG, Yannakakis EJ, Das PK, Ackerman JJH// *Monsanto Co, 800 Nth Lindbergh Blvd, St Louis, Mo 63167, USA

J Am Oil Chem Soc 2005 **82** (12) 855

High-throughput determination of oil content in corn kernels using nuclear magnetic resonance imaging

Marini F, Magri AL, Bucci R, Balestrieri F, Marini D// Univ Roma La Sapienza, Dipt Chim, Ple Aldo Moro 5, IT-00185 Rome, Italy
Chemometr Intell Lab Syst 2006 **80** (1) 140

Class-modeling techniques in the authentication of Italian oils from Sicily with a Protected Denomination of Origin (PDO)

Meier S, Mjos SA, Joensen H, Grahl-Nielsen O// Inst Marine Res, POB 1870, NO-5817 Bergen, Norway
J Chromatogr A 2006 **1104** (1-2) 291

Validation of a one-step extraction/methylation method for determination of fatty acids and cholesterol in marine tissues

Richards A, Wijesundera C*, Salisbury P// *CSIRO Food Sci Australia, Sneydes Rd, Werribee, Vic 3030, Australia

J Am Oil Chem Soc 2005 **82** (12) 869

Evaluation of oxidative stability of canola oils by headspace analysis

Segall SD, Artz WE*, Raslan DS, Ferraz VP, Takahashi JA// *University Illinois, Department Food Science & Human Nutrition, Urbana, Illinois 61801, USA

J Sci Food Agric 2006 **86** (3) 445

Triacylglycerol analysis of pequi (*Caryocar brasiliensis* Camb.) oil by electrospray and tandem mass spectrometry

Silva FO, Ferraz V// Univ Fed Minas Gerais, Dept Quim, Av Antonio Carlos 6627, BR-31270-901 Belo Horizonte, MO, Brazil
Talanta 2006 **68** (3) 643

Double use of microwaves in fatty acid preparation for elaidic acid determination as phenacyl ester using high-performance liquid chromatography in Brazilian fat products

Sivakumar G, Bati CB, Uccella N// ENEA, Biotech Genom, Casaccia, Via Anguillarese 301, IT-00060 Rome, Italy
Chem Nat Compd 2005 **41** (5) 588

HPLC-MS screening of the antioxidant profile of Italian olive cultivars

Weinstock BA, Janni J, Hagen L, Wright S// Pioneer Hi-Bred Int Inc, Cro-Genet Res & Dev, Johnston, Ia 50131, USA

Appl Spectrosc 2006 **60** (1) 9

Prediction of oil and oleic acid concentrations in individual corn (*Zea mays* L.) kernels using near-infrared reflectance hyperspectral imaging and multivariate analysis

6. Vitamins & co-factors

Gonzalez-Martin I, Bustamante-Rangel JMGC, Delgado-Zamarreno MMD// Universidad Salamanca, Facultad Ciencias Quim, Departamento Quimica Analitica Nutricion & Bromatol, C/ Plaza de la Merced s/n, ES-37008 Salamanca, Spain

Anal Chim Acta 2006 **558** (1-2) 132

Near infrared spectroscopy (NIRS) reflectance technology for determination of tocopherols in animal feeds

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.

Graciano-Verdugo AZ, Peralta E, Gonzalez-Rios H, Soto-Valdez H*// *Ctr Invest Alimentacion & Desarrollo, AC Apdo Postal 1735, MX-83000 Hermosillo, Sonora, Mexico

Anal Chim Acta 2006 **557** (1-2) 367

Determination of α -tocopherol in low-density polyethylene (LDPE) films by diffuse reflectance Fourier transform infrared (DRIFT-IR) spectroscopy compared to high performance liquid chromatography (HPLC)

Lopez-Cervantes J, Sanchez-Machado DI*, Rios-Vazquez NJ// *Inst Tecnol Sonora, Dept Biotecnol & Ciencias Alimentarias, POB 541, Obregon, Sonora, Mexico

J Chromatogr A 2006 **1105** (1-2) 135

High-performance liquid chromatography method for the simultaneous quantification of retinol, α -tocopherol, and cholesterol in shrimp waste hydrolysate

Perez-Ruiz T, Martinez-Lozano C, Martin J, Garcia MD// Univ Murcia, Fac Chem, Dept Anal Chem, ES-30071 Murcia, Spain

Anal Bioanal Chem 2006 **384** (1) 280

Automatic determination of phyloquinone in vegetables and fruits using on-line photochemical reduction and fluorescence detection via solid phase extraction and flow injection

Sanchez-Machado DI, Lopez-Cervantes J*, Rios-Vazquez NJ// *Inst Tecnol Sonora, Dept Biotecnol & Ciencias Alimentarias, PO Box 541, Obregon, Sonora, Mexico

J Chromatogr A 2006 **1105** (1-2) 111

High-performance liquid chromatography method to measure α - and γ -tocopherol in leaves, flowers and fresh beans from *Moringa oleifera*

7. Trace elements & minerals

Bonnefoy C, Menudier A, Moesch C, Lachatre G, Mermet JM*// *Univ Claude Bernard-Lyon 1, Lab Anal Sci, Bat-CPE, FR-69622 Villeurbanne, France

Anal Bioanal Chem 2005 **383** (2) 167

Determination of chromium in whole blood by DRC-ICP-MS: Spectral and non-spectral interferences

Ke YP, Sun Q, Yang ZR, Xin JJ, Chen L, Hou XD*// *Sichuan Univ, Coll Chem, Chengdu, Sichuan, Peoples Rep China

Spectrosc Lett 2005 **39** (1) 29

Determination of trace cadmium and zinc in corn kernels and related soil samples by atomic absorption and chemical vapor generation atomic fluorescence after microwave-assisted digestion

Li T, Yu LJ*, Li MT, Li W// *Huazhong Univ Sci & Technol, Coll Life Sci & Technol, CN-430074 Wuhan, Peoples Rep China

Microchim Acta 2006 **153** (1-2) 109

A new approach to the standard addition method for the analysis of F, Al and K content in green tea

Li Y, Zheng CB, Ma Q, Wu L, Hu CW, Hou XD*// *Coll Chem, Key Lab Green Chem & Technol MOE, CN-610064 Chengdu, Peoples Rep China

J Anal Atom Spectrom 2006 **21** (1) 82

Sample matrix-assisted photo-induced chemical vapor generation: A reagent free green analytical method for ultrasensitive detection of mercury in wine or liquor samples

Montes-Bayon M, Molet MJD, Gonzalez EB, Sanz-Medel A*// *Univ Oviedo, Fac Chem, Dept Phys & Anal Chem, C/ Julian Claveria 8, ES-33006 Oviedo, Spain

Talanta 2006 **68** (4) 1287

Evaluation of different sample extraction strategies for selenium determination in selenium-enriched plants (*Allium sativum* and *Brassica juncea*) and Se speciation by HPLC-ICP-MS

Ogra Y, Ishiwata K, Suzuki KT// Chiba Univ, Grad Sch Pharmaceut Sci, Chiba 260 8675, Japan

Anal Chim Acta 2005 **554** (1-2) 123

Effects of deuterium in octopole reaction and collision cell ICP-MS on detection of selenium in extracellular fluids

Santelli RE, Bezerra MD, De SantAna OD, Cassella RJ, Ferreira SLC// Univ Fed Fluminense, Inst Quim, Outeiro Sao Joao Batista s/n, BR-24020 Niteroi, RJ, Brazil

Talanta 2006 **68** (4) 1083

Multivariate technique for optimization of digestion procedure by focused microwave system for determination of Mn, Zn and Fe in food samples using FAAS

Shiwatana J, Kitthikhun W, Sottimai U, Promchan J, Kunajiraporn K// Mahidol Univ, Fac Sci, Dept Chem, Rama VI Rd, TH-10400 Bangkok, Thailand

Talanta 2006 **68** (3) 549

Dynamic continuous-flow dialysis method to simulate intestinal digestion for *in vitro* estimation of mineral bioavailability of food

Suarez-Luque S, Mato I, Huidobro JF*, Simal-Lozano J// *Univ Santiago, Fac Farm, Dept Quim Analit Nutr & Bromatol, Area Nutr & Bromatol, ES-15782 Santiago de Compostela, Spain

Talanta 2006 **68** (4) 1143

Rapid capillary zone electrophoresis method for the determination of metal cations in beverages

Tasev K, Karadjova I, Arpadjan S, Cvetkovic J, Stafilov T*// *St Cyril & Methodius Univ, Fac Sci, Inst Chem, POB 162, Skopje 1000, Macedonia

Food Control 2006 **17** (6) 484

Liquid/liquid extraction and column solid phase extraction procedures for iron species determination in wines

Teshima N, Gotoh S, Ida K, Sakai T*// *Aichi Inst Technol, Dept Appl Chem, 1247 Yachigusa Yakusa cho, Toyota 470 0392, Japan

Anal Chim Acta 2006 **557** (1-2) 387

One-shot flow injection spectrophotometric simultaneous determination of copper, iron and zinc in patients' sera with newly developed multi-compartment flow cell

Zaidi JH, Fatima I, Arif M, Qureshi IH// Pakistan Inst Nucl Sci & Technol, Div Nucl Chem, PO Nilore, Islamabad, Pakistan

J Radioanal Nucl Chem 2005 **267** (1) 109

Determination of trace elements in coffee beans and instant coffee of various origins by INAA

8. Drug, biocide & processing residues

Abreu SD, Caboni P, Cabras P, Alves A, Garau VL*// *Univ Cagliari, Dipt Tossicol, Via Ospedale 72, IT-09124 Cagliari, Italy

J Chromatogr A 2006 **1103** (2) 362

A comparison of a gas chromatographic with electron-capture detection and a gas chromatographic with mass spectrometric detection screening methods for the analysis of famoxadone in grapes and wines

Antignac JP, Marchand P, Gade C, Matayron G, Qannari EM, Le Bizec B, Andre F// LABERCA-ENVN, Route Gachet, BP 50707, FR-44307 Nantes 3, France

Anal Bioanal Chem 2006 **384** (1) 271

Studying variations in the PCDD/PCDF profile across various food products using multivariate statistical analysis

Bempelou ED, Liapis KS*// *Benaki Phytopathol Inst, Pesticides Residues Lab, 7 Ekalis St, GR-14561 Kifisia, Greece

Int J Environ Anal Chem 2006 **86** (1-2) 63

Validation of a multi-residue method for the determination of pesticide residues in apples by gas chromatography

Cantwell H, O'Keefe M// Teagasc, Food Safety Dept, Ashtown Food Res Ctr, Dublin, Rep Ireland

Food Addit Contam 2006 **23** (2) 120

Evaluation of the Premi® Test and comparison with the One-Plate Test for the detection of antimicrobials in kidney

Gamiz-Gracia L, Cuadros-Rodriguez L, Soto-Chinchilla JJ, Huertas-Perez JF, Gonzalez-Casado A, Garcia-Campana A// Univ Granada, Fac Sci, Dept Anal Chem, ES-18071 Granada, Spain

Anal Bioanal Chem 2006 **384** (1) 295

Establishment of signal-recovery functions for calculation of recovery factor. Application to monitoring of contaminant residues in vegetables by chemiluminescence detection

Garcia-Reyes JF, Llorent-Martinez EJ, Ortega-Barrales P, Molina-Diaz A*// *Univ Jaen, Fac Expt Sci, Dept Phys & Analyt Chem, Paraje Las Lagunillas, ES-23071 Jaen, Spain

Anal Chim Acta 2006 **557** (1-2) 95

Determination of thiazobenzazole residues in citrus fruits using a multi-commuted fluorescence-based optosensor

Garcia Sanchez A, Ramos Martos N, Ballesteros E*// *Univ Jaen, EPS Linares, Dept Phys & Anal Chem, ES-23700 Linares, Jaen, Spain

Anal Chim Acta 2006 **558** (1-2) 53

Multiresidue analysis of pesticides in olive oil by gel permeation chromatography followed by gas chromatography-tandem mass-spectrometric determination

Garrido Frenich A, Martinez Vidal JL, Cruz Sicilia AD, Gonzalez Rodriguez MJ, Plaza Bolanos P// Univ Almeria, Dept Anal Chem, ES-04071 Almeria, Spain

Anal Chim Acta 2006 **558** (1-2) 42

Multiresidue analysis of organochlorine and organophosphorus pesticides in muscle of chicken, pork and lamb by gas chromatography-triple quadrupole mass spectrometry

Georgiou PP, Liapis KS, Miliadis GE, Siskos PA// Natl & Kapodistrian Univ Athens, Dept Chem, Anal Chem Lab, Environm Anal Grp, GR-1577 Athens, Greece

Int J Environ Anal Chem 2006 **86** (1-2) 69

Solid-phase extraction cleanup of tomato samples for the determination of pesticide residues by gas chromatography-electron capture detection

Hagren V, Peippo P, Tuomola M, Lovgren T// Univ Turku, Dept Biotechnol, Tykistokatu 6A, FI-20520 Turku, Finland
Anal Chim Acta 2006 **557** (1-2) 164

Rapid time-resolved fluorimmunoassay for the screening of monensin residues in eggs

Hermo MP, Barron D*, Barbosa J// *Univ Barcelona, Dept Anal Chem, Avda Diagonal 647, ES-08028 Barcelona, Spain
J Chromatogr A 2006 **1104** (1-2) 132

Development of analytical methods for multiresidue determination of quinolones in pig muscle samples by liquid chromatography with ultraviolet detection, liquid chromatography-mass spectrometry and liquid chromatography-tandem mass spectrometry

Lekkas TD, Nikolaou AD*// *Univ Aegean, Div Environm Studies, Water & Air Qual Lab, University Hill, GR-81100 Mitilene, Greece
Int J Environ Anal Chem 2006 **86** (1-2) 25

Determination of bromopropylate in grapes by gas chromatography: Evaluation of two analytical methods

Mauldin RE, Primus TM, Buettgenbach TA, Johnston JJ, Linz GM// USDA/APHIS/WS, Anal Chem Project, Natl Wildlife Res Ctr, 4101 Laporte Ave, Fort Collins, Co 80521, USA

J Liq Chromatogr Relat Technol 2006 **29** (3) 339

A simple HPLC method for the determination of chlorpyrifos in black oil sunflower seeds

Michel M, Gnuosowski B, Buszewski B*// *Nicholas Copernicus Univ, Fac Chem, Dept Environm Chem & Ecoanal, 7 Gagarin St, PL-87100 Torun, Poland

J Liq Chromatogr Relat Technol 2006 **29** (2) 247

Comparison of various extraction techniques to determine fungicide residue in wheat grain

Nielsen NJ, Granby K*, Hedegaard RV, Skibsted LH// *Danish Inst Food & Vet Res, Morkhøj Bygade 19, DK-2860 Soborg, Denmark

Anal Chim Acta 2006 **557** (1-2) 211

A liquid chromatography-tandem mass spectrometry method for simultaneous analysis of acrylamide and the precursors, asparagine and reducing sugars in bread

Pastorelli S, Beldi G, Simoneau C// European Commiss DG Joint Res Ctr, Inst Hlth & Consumer Protect, Phys & Chem Exposure Unit, TP 260, IT-21020 Ispra, Italy

Anal Chim Acta 2006 **557** (1-2) 7

Effect of calibration standards on the quantification of hydroxy products from can coatings

Petersson EV, Rosen J, Turner C, Danielsson R, Hellenas KE// Natl Food Adm Toxicol Lab, POB 622, SE-75126 Uppsala, Sweden

Anal Chim Acta 2006 **557** (1-2) 287

Critical factors and pitfalls affecting the extraction of acrylamide from foods: An optimisation study

Simon R, Palme S, Anklam E*// *European Commiss Joint Res Ctr, Inst Reference Mat & Measurements, Retiesweg 111, BE-2400 Mol, Belgium
J Chromatogr A 2006 **1103** (2) 307

Single-laboratory validation of a gas chromatography-mass spectrometry method for quantitation of 15 European priority polycyclic aromatic hydrocarbons in spiked smoke flavourings

Spano N, Casula L, Panzanelli A, Pilo MI, Piu PC, Scanu R, Tapparo A, Sanna G*// *Univ Sassari, Dipt Chim, Via Vienna 2, IT-07100 Sassari, Italy
Talanta 2006 **68** (4) 1390

An RP-HPLC determination of 5-hydroxymethylfurfural in honey - The case of strawberry tree honey

Tahboub YR, Zaater MF, Barri TA// Jordan Univ Sci & Technol, Fac Sci, Dept Appl Chem, POB 3030, JO-22110 Irbid, Jordan

Anal Chim Acta 2006 **558** (1-2) 62

Simultaneous identification and quantitation of selected organochlorine pesticide residues in honey by full-scan gas chromatography-mass spectrometry

Vinas P, Balsalobre N, Hernandez-Cordoba M*// *Univ Murcia, Fac Chem, Dept Anal Chem, Campus Espinardo, ES-30071 Murcia, Spain

Anal Chim Acta 2006 **558** (1-2) 11

Determination of chloramphenicol residues in animal feeds by liquid chromatography with photo-diode array detection

Wang JR, Zhang LY*// *China Agr Univ, Natl Key Lab Anim Nutr, 2 Yuanmingyuan West Rd, CN-100094 Beijing, Peoples Rep China

J Liq Chromatogr Relat Technol 2006 **29** (3) 377

Simultaneous determination and identification of furazolidone, furaltadone, nitrofurazone, and nitrovin in feeds by HPLC and LC-MS

Xu XM, Ren YP, Wu PG, Han JL, Shen XH// Zhejiang Prov Ctr Dis Prevent & Control, Lab Food Safety & Hyg Chem Anal, CN-310009 Hangzhou, Peoples Rep China

Food Addit Contam 2006 **23** (2) 110

The simultaneous separation and determination of chloropropanols in soy sauce and other flavoring with gas chromatography-mass spectrometry in negative chemical and electron impact ionization modes

Yamada R, Kozono M, Ohmori T*, Morimatsu F, Kitayama M// *Nippon Meat Packers Inc, Ctr Res & Dev, 3-3 Midorigahara, Tsukuba, Ibaraki 300 2646, Japan

Biosci Biotechnol Biochem 2006 **70** (1) 54

Simultaneous determination of residual veterinary drugs in bovine, porcine, and chicken muscle using liquid chromatography coupled with electrospray ionization tandem mass spectrometry

Zou P, Oh SSY, Hou PL, Low MY, Koh HL*// *Natl Univ Singapore, Fac Sci, Dept Pharm, Sci Dr 4, SG-117543 Singapore, Rep Singapore

J Chromatogr A 2006 **1104** (1-2) 113

Simultaneous determination of synthetic phosphodiesterase-5 inhibitors found in a dietary supplement and pre-mixed bulk powders for dietary supplements using high-performance liquid chromatography with diode array detection and liquid chromatography-electrospray ionization tandem mass spectrometry

9. Toxins/Allergens

Bourais I, Amine A*, Venanzi M, Micheli L, Moscone D, Palleschi G// *Fac Sci & Tech, Lab Chem Anal & Biosensors, Mohammadia, Morocco

Microchim Acta 2006 **153** (1-2) 101

Development and application of a two-phase clean-up system in food samples prior to fluorescence analysis of aflatoxins

Del Campo G, Gallego B, Berregi I// University Basque Country, Fac Chem, Dept Appl Chem, Manuel Lardizabal 3, POB 1072, ES-20018 San Sebastian, Spain

Talanta 2006 **68** (4) 1126

Fluorimetric determination of histamine in wine and cider by using an anion-exchange column-FIA system and factorial design study

Gay ML, Niemann RA, Musser SA// US/FDA, Ctr Food Safety & Appl Nutr, College Park, Md 20740, USA

J Agric Food Chem 2006 **54** (2) 285

An isotopically labeled internal standard liquid chromatography-tandem mass spectrometry method for determination of ephedrine alkaloids and synephrine in dietary supplements

Hayashi R, Saito H, Okumura M, Kondo F// Aichi Prefectural Inst Publ Hlth, Dept Toxicol, Kita ku, Nagoya, Aichi 462 8576, Japan

J Agric Food Chem 2006 **54** (2) 269

Cell bioassay for paralytic shellfish poisoning (PSP): Comparison with postcolumn derivatization liquid chromatographic analysis and application to the monitoring of PSP in shellfish

Kolosova AY, Shim WB, Yang ZY, Eremin SA, Chung DH// Univ Ghent, Fac Pharmaceut Sci, Lab Food Anal, Bioanal Grp, Harelbekestr 72, BE-9000 Ghent, Belgium

Anal Bioanal Chem 2006 **384** (1) 286

Direct competitive ELISA based on a monoclonal antibody for detection of aflatoxin B₁. Stabilization of ELISA kit components and application to grain samples

Puerta A, Diez-Masa JC, De Frutos M*// *Inst Quim Organ Gen - CSIC, Juan de la Cierva 3, ES-28006 Madrid, Spain

Int Dairy J 2006 **16** (5) 406

Immunochromatographic determination of β -lactoglobulin and its antigenic peptides in hypoallergenic formulas

Sagawa N, Takino T, Kurogochi S// Bayer CropScience Co Ltd, Yuki Res Ctr, Yuki, Ibaraki 307 0001, Japan

Biosci Biotechnol Biochem 2006 **70** (1) 230

A simple method with liquid chromatography/tandem mass spectrometry for the determination of the six trichothecene mycotoxins in rice medium

10. Additives

Santos JCC, Korn M*// *Bahia State Univ, Dept Exacts & Earth Sci, R Silveria Martins 2555, BR-41195-001 Salvador, BA, Brazil

Microchim Acta 2006 **153** (1-2) 87

Exploiting sulphide generation and gas diffusion separation in a flow system for indirect sulphite determination in wines and fruit juices

Van Poucke C, Dumoulin F, Yakkundi S, Situ C, Elliott CT, Grutters EM, Verheijen R, Schilt R, Eriksson S, Van Peteghem C// Univ Ghent, Lab Food Anal, Harelbekestr 72, BE-9000 Ghent, Belgium

Anal Chim Acta 2006 **557** (1-2) 204

Banned antibacterial growth promoters in animal feed: Collaborative trial on the liquid chromatography-tandem mass spectrometry method developed in the feedstuffs-radius project

Vidotti EC, Costa WF, Oliveira CC// *Univ Estadual Maringa, Dept Quim, Ave Colombo, 5790 DQ1, BR-87020-990 Maringa, Parana, Brazil
Talanta 2006 **68** (3) 516
 Development of a green chromatographic method for determination of colorants in food samples

11. Flavours & aromas

Bota GM, Harrington PB// *Ohio Univ, Dept Chem & Biochem, Clippinger Labs, Ctr Intelligen Chem Instrumentat, Athens, Oh 45701, USA
Talanta 2006 **68** (3) 629
 Direct detection of trimethylamine in meat food products using ion mobility spectrometry

De Boishebert V, Giraudel JL, Montury M// *Univ Bordeaux 1, Lab Physico & Toxic Chim Syst Nat, UMR CNRS 5472, Equipe Perigourdine Chim Appl, FR-24001 Perigueux, France
Chemometr Intell Lab Syst 2006 **80** (1) 13
 Characterization of strawberry varieties by SPME-GC-MS and Kohonen self-organizing map

Garcia M, Fernandez MJ, Fontecha JL, Lozano J, Santos JP, Aleixandre A, Sayago I, Gutierrez J, Horrillo MC// *IFA - CSIC, Lab Sensores, Serrano 144, ES-28006 Madrid, Spain
Talanta 2006 **68** (4) 1162
 Differentiation of red wines using an electronic nose based on surface acoustic wave devices

Guerrero ED, Marin RN, Mejias RC*, Barroso CG// *Univ Cadiz, Fac Sci, Anal Chem Dept, POB 40, Pol Rio San Pedro, ES-11510 Puerto Real, Cadiz, Spain
J Chromatogr A 2006 **1104** (1-2) 47
 Optimisation of stir bar sorptive extraction applied to the determination of volatile compounds in vinegars

Khatib A, Kim HK, Wilson EG, Verpoorte R// *Leiden Univ, Inst Biol, Div Pharmacogenosy, Sect Metabol, Einsteinweg 55, NL-2300 RA Leiden, The Netherlands
J Liq Chromatogr Relat Technol 2006 **29** (2) 293
 High performance liquid chromatographic method for *iso*- α -acids

Krizman M, Baricevic D, Prosek M// Natl Inst Chem, Food Chem Lab, Hajdrihova 19, Ljubljana, Slovenia
Anal Chim Acta 2006 **557** (1-2) 267
 Fast quantitative determination of volatile constituents in fennel by headspace-gas chromatography

Mateos R, Civantos CGO, Castro J, Garcia-Mesa JA// *IFAPA, Venta Llano, CIFA, Ctr Bailen-Mortril km 18.5, ES-23620 Mengibar, Jaen, Spain
J Agric Food Chem 2005 **53** (24) 9615
 Direct spectrophotometric determination of bitterness in virgin olive oil without prior isolation by pH gradient

Schweiggert U, Carle R, Schieber A// *Univ Hohenheim, Inst Food Technol, Plant Foodstuff Technol Sect, August von Hartmann Str 3, DE-70599 Stuttgart, Germany
Anal Chim Acta 2006 **557** (1-2) 236
 Characterization of major and minor capsaicinoids and related compounds in chili pods (*Capsicum frutescens* L.) by high-performance liquid chromatography/atmospheric pressure chemical ionization mass spectrometry

Van Ruth SM, Dings L, Aprea S, O'dake S// Natl Univ Ireland, Univ Coll Cork, Dept Food & Nutr Sci, Cork, Rep Ireland
Food Sci Technol Res 2005 **11** (1) 63
 Comparison of volatile flavour profiles of kidney beans and soybeans by GC-MS and PTR-MS

Vann L, Sheppard JD// *McGill Univ, Dept Bioresource Engr, Macdonald Campus, 21 111 Lakeshore Rd, Ste Anne de Bellevue, Quebec, Canada H9X 3V9
Trans ASAE 2005 **48** (6) 2223
 Development of a biosensor for measurement of diacetyl in beer

Zimbalatti V// Univ Messina, Fac Farm, Dipt Farmacobiol, Messina, Italy
J Essent Oil Res 2006 **18** (1) 71
 Enantioselective gas chromatography: Analytical technique for the analysis of mandarin essential oils

12. Organic acids

Fernandes EN, Reis BF// *Ctr Energia Nucl Agr, Av Centenario 303, BR-13400-970 Sao Paulo, Brazil
Anal Chim Acta 2006 **557** (1-2) 380
 Automatic spectrophotometric procedure for the determination of tartaric acid in wine employing multicommutation flow analysis process

13. Animal products

Ortiz MC, Sarabia L, Garcia-Rey R, De Castro MDL// Univ Burgos, Fac Sci, Dept Chem, Pza Misael Banuelos s/n, ES-09001 Burgos, Spain
Anal Chim Acta 2006 **558** (1-2) 125
 Sensitivity and specificity of PLS-class modelling for five sensory characteristics of dry-cured ham using visible and near infrared spectroscopy

14. Plant & microbial products

Casale M, Abajo MJS, Saiz JMG, Pizarro C*, Forina M// *Univ La Rioja, Dept Chem, La Rioja, Spain
Anal Chim Acta 2006 **557** (1-2) 360
 Study of the aging and oxidation processes of vinegar samples from different origins during storage by near-infrared spectroscopy

Dost K, Tokul O// Univ Celal Bayar, Dept Chem, Manisa, Turkey
Anal Chim Acta 2006 **558** (1-2) 22
 Determination of phytic acid in wheat and wheat products by reverse phase high performance liquid chromatography

Gorinstein S, Drzewiecki J, Park YS, Jung ST, Kang SG, Haruenkit R, Toledo F, Katrich E, Trakhtenberg S// Hebrew Univ Jerusalem, Sch Pharm, Dept Med Chem & Nat Prod, POB 12065, IL-91120 Jerusalem, Israel
Int J Food Sci Technol 2006 **41** (3) 311
 Characterization of blond and Star Ruby (red) Jaffa grapefruits using antioxidant and electrophoretic methods

Kim Y, Singh M, Kays SE// *USDA, POB 5677, Athens, Ga 30604, USA
J Agric Food Chem 2006 **54** (2) 292
 Near-infrared spectroscopy for measurement of total dietary fiber in homogenized meals

Kolb CA, Wirth E, Kaiser WM, Meister A, Riederer M, Pfundel EE// *Univ Wurzburg, Julius von Sachs Inst Biowissenschaften, Julius von Sachs Pl, DE-97082 Wurzburg, Germany
J Agric Food Chem 2006 **54** (2) 299
 Noninvasive evaluation of the degree of ripeness in grape berries (*Vitis vinifera* L. cv. Bacchus and Silvaner) by chlorophyll fluorescence

Li SM, Yu HQ, Ho CT// *Rutgers State Univ, Dept Food Sci, 65 Dudley Rd, New Brunswick, NJ 08901, USA
Biomed Chromatogr 2006 **20** (1) 133
 Nobiletin: Efficient and large quantity isolation from orange peel extract

Masoum S, Bouveresse DJR, Vercauteren J, Jalali-Heravi M, Rutledge DN// *UMR 214 INRA INA P-G, Lab Chim Anal, 16 rue Claude Bernard, FR-75005 Paris, France
Anal Chim Acta 2006 **558** (1-2) 144
 Discrimination of wines based on 2D NMR spectra using learning vector quantization neural networks and partial least squares discriminant analysis

Min M, Lee WS*, Kim YH, Bucklin RA// *Univ Florida, Dept Biol & Agr Engr, Gainesville, FL 32611, USA
Hortscience 2006 **41** (1) 162
 Nondestructive detection of nitrogen in chinese cabbage leaves using VIS-NIR spectroscopy

Pontes MJC, Santos SRB, Araujo MCU*, Almeida LF, Lima RAC, Gaião EN, Souto UTCP// *Univ Fed Paraiba, Dept Quim, CCEN DQ CPGQ, POB 5093, BR-58051-970 Joao Pessoa, Paraiba, Brazil
Food Res Int 2006 **39** (2) 182
 Classification of distilled alcoholic beverages and verification of adulteration by near infrared spectrometry

Rodriguez-Nogales JM, Garcia MC, Marina ML// Univ Alcala de Henares, Fac Quim, Dept Quim Analit, ES-28871 Alcala de Henares, Spain
J Chromatogr A 2006 **1104** (1-2) 91
 Development of a perfusion reversed-phase high performance liquid chromatography method for the characterisation of maize products using multivariate analysis

Weber B, Hartmann B, Stockigt D, Schreiber K, Roloff M, Bertram HJ, Schmidt CO// Symrise GmbH & Co KG, Corp Res Div, DE-37601 Holzminden, Germany
J Agric Food Chem 2006 **54** (2) 274
 Liquid chromatography/mass spectrometry and liquid chromatography/nuclear magnetic resonance as complementary analytical techniques for unambiguous identification of polymethoxylated flavones in residues from molecular distillation of orange peel oils (*Citrus sinensis*)

Xu XY, Xie BJ, Pan SY*, Yang EN, Wang KX, Cenkowski S, Hydamake AW, Rao S// *Huazhong Agr Univ, Coll Food Sci & Technol, CN-430070 Wuhan, Peoples Rep China
J Sci Food Agric 2006 **86** (3) 486
 A new technology of extraction and purification of proanthocyanidins derived from sea buckthorn bark