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# Bibliography of analytical, nutritional and clinical methods

(4 weeks journals. Search completed at 1st. Aug. 2007)

## 1. Reviews

Cen HY, He Y\*// \*Zhejiang Univ, Coll Biosyst Engn & Food Sci, Kaixuan Rd 258, CN-310029 Hangzhou, Peoples Rep China

Trends Food Sci Technol 2007 18 (2) 72 Theory and application of near infrared reflectance spectroscopy in determination of food quality

Flamini G// Univ Pisa, Dipt Chim Bioorgan & Biofarmacia, Via Bonanno 33, IT-56126 Pisa, Italy

Curr Anal Chem 2007 3 (2) 149

Headspace analyses in valuable and functional foods: Application of SPME in the quality control and characterization of olive oils

Rial-Otero R, Gaspar EM, Moura I, Capelo JL\*// \*Univ Nova Lisboa, Dept Quim, REQUIMTE, PT-2829-516 Monte de Caparica, Portugal

Talanta 2007 71 (2) 503

Chromatographic-based methods for pesticide determination in honey: An overview

Shankaran DR, Gobi KVA, Miura N\*// \*Kyushu Univ, Art Sci & Technol Ctr Cooperat Res, Kasuga, Fukuoka 816 8580, Japan

Sensor Actuator B Chem 2007 121 (1) 158

Recent advancements in surface plasmon resonance immunosensors for detection of small molecules of biomedical, food and environmental interest

Soler C, Pico Y\*// \*Univ Valencia, Fac Farm, Lab Bromatol & Toxicol, Av Vicent Andres Estelles s/n, ES-46100 Valencia, Spain

Trends Anal Chem 2007 26 (2) 103

Recent trends in liquid chromatography-tandem mass spectrometry to determine pesticides and their metabolites in food

## 2. General

Phillips KM, Wolf WR, Patterson KY, Sharpless KE, Amanna KR, Holden JM// Virginia Polytech Inst & State Univ, Dept Biochem, 304 Engel Hall, Blacksburg, Va 24061, USA

Accredit Qual Assur 2007 12 (3-4) 126

Summary of reference materials for the determination of the nutrient composition of foods

### 3. Amino acids, proteins & enzymes

Ferreira IMPLVO// Univ Porto, Fac Farm, Serv Bromatol, REQUIMTE, Rua Anibal Cunha 164, PT-4099 Oporto, Portugal

J Liq Chromatogr Relat Technol 2007 30 (4) 499

Chromatographic separation and quantification of major human milk proteins

Gotz S, Revermann T, Karst U\*// \*Univ Twente, Chem Anal Grp, POB 217, NL-7500 AE Enschede, The Netherlands Lab Chip 2007 7 (1) 93

Quantitative on-chip determination of taurine in energy and sports drinks

Lin YP, Su YS, Jen JF\*// \*Natl Chung Hsing Univ, Dept Chem, Taichung 402, Taiwan

J Agric Food Chem 2007 55 (6) 2103

Capillary electrophoretic analysis of  $\gamma$ -aminobutyric acid and alanine in tea with in-capillary derivatization and fluorescence detection

Miquel E, Gomez JA, Alegria A, Barbera R, Farre R\*, Recio I// \*Univ Valencia, Fac Pharm, Av Vicent Andres Estelles s/n, ES-46100 Burjassot, Valencia, Spain Food Sci Technol Int 2006 **12** (5) 379

Identification of casein phosphopeptides in  $\beta$ -casein and commercial hydrolysed casein by mass spectrometry

Santos LHLMLM, Ferreira IMPLVO\*// Univ Porto, Fac Farm, Serv Bromatol, REQUIMTE, Rua Anibal Cunha, PT-4050-047 Oporto, Portugal Anal Biochem 2007 362 (2) 293

Quantification of  $\alpha$ -lactalbumin in human milk: Method validation and application

Vovk I, Simonovska B// Natl Inst Chem, Food Chem Lab, Hajdrihova 19, SI-1000 Ljubljana, Slovenia

J Chromatogr A 2007 1144 (1) 90

Isolation of tomato pectin methylesterase and polygalacturonase on monolithic columns

Zheng Q, Song J\*, Doncaster K, Rowland E, Byers DM// \*Agr & Agri-Food Canada, Atlantic Food & Hort Res Ctr, 32 Main St, Kentville, Nova Scotia, Canada B4N 1J5

J Agric Food Chem 2007 55 (5) 1663

Qualitative and quantitative evaluation of protein extraction protocols for apple and strawberry fruit suitable for two-dimensional electrophoresis and mass spectrometry analysis

## 4. Carbohydrates

Gonzalo-Ruiz J, Alonso-Lomillo MA\*, Munoz FJ// \*Ctr Nacl Microelectronica, IMB-CNM CSIC, Campus UAB, ES-08193 Barcelona, Spain *Biosens Bioelectron* 2007 **22** (7) 1517

Screen-printed biosensors for glucose determination in grape juice

Liu YD, Ying YB\*, Fu XP, Lu HS// \*Zhejiang Univ, Coll Biosyst Eng<br/>n&Food Sci, CN-310029 Hangzhou, Peoples Rep China

J Food Eng 2007 80 (3) 986

Experiments on predicting sugar content in apples by FT-NIR technique

Yoo DH, Lee BH, Chang PS, Lee HG, Yoo SH\*// \*Sejong Univ, Dept Food Sci & Technol, 98 Gunja dong, Gwangjin gu, Seoul 143 747, South Korea J Agric Food Chem 2007 55 (5) 1656

Improved quantitative analysis of oligosaccharides from lichenase-hydrolyzed water-soluble barley  $\beta$ -glucans by high-performance anion-exchange chromatog-raphy

# 5. Lipids

Escolar D, Haro MR, Ayuso J// Univ Cadiz, Dept Quim Fis, Apdo 40, ES-11510 Puerto Real, Spain

J Agric Food Chem 2007 55 (6) 2085

The color space of foods: Virgin olive oil

Obert JC, Hughes D, Sorenson WR, McCann M, Ridley WP\*// \*Monsanto Co, 800 Nth Lindbergh Blvd, St Louis, Mo 63167, USA

J Agric Food Chem 2007 55 (6) 2062

A quantitative method for the determination of cyclopropenoid fatty acids in cottonseed, cottonseed meal, and cottonseed oil (*Gossypium hirsutum*) by high-performance liquid chromatography

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. Sayago A, Garcia-Gonzalez DL, Morales MT\*, Aparicio R// \*Univ Seville, Fac Pharm, Dept Anal Chem, Prof Garcia Gonzalez 2, ES-41012 Seville, Spain *J Agric Food Chem* 2007 **55** (6) 2068

Detection of the presence of refined hazelnut oil in refined olive oil by fluorescence spectroscopy

Xu YH, Brenna JT\*// \*Cornell Univ, Div Nutr Sci, Ithaca, NY 14853, USA Anal Chem 2007 79 (6) 2525

Atmospheric pressure covalent adduct chemical ionization tandem mass spectrometry for double bond localization in monoene- and diene-containing triacylglycerols

## 6. Vitamins & co-factors

Chen P, Wolf WR// USDA/ARS, Beltsville Human Nutr Res Ctr, Food Composit Lab, Beltsville, Md 20705, USA

Anal Bioanal Chem 2007 387 (7) 2441

LC/UV/MS-MRM for the simultaneous determination of water-soluble vitamins in multi-vitamin dietary supplements

Kartsova LA, Koroleva OA// St Petersburg State Univ, Universitetskii pr 26, RU-198504 St Petersburg, Russia

J Anal Chem Engl Tr 2007 62 (3) 255

Simultaneous determination of water-and fat-soluble vitamins by high-performance thin-layer chromatography using an aqueous micellar mobile phase

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

J Chromatogr A 2007 1143 (1-2) 72

Application of liquid chromatography-electrospray ionisation mass spectrometry for determination of dietary folates: Effects of buffer nature and mobile phase composition on sensitivity and selectivity

Yomota C, Ohnishi Y// Natl Inst Hlth Sci, 1-18-1 Kamiyoga, Setagaya ku, To-kyo 158 8501, Japan

J Chromatogr A 2007 1142 (2) 231

Determination of biotin following derivatization with 2-nitrophenylhydrazine by high-performance liquid chromatography with on-line UV detection and electrospray-ionization mass spectrometry

# 7. Trace elements & minerals

Ajtony Z, Bencs L, Reka H, Szigeti J, Szoboszlai N\*// \*Lorand Eotvos Univ, Inst Chem, Dept Inorgan & Anal Chem, POB 32, HU-1518 Budapest, Hungary *Talanta* 2007 **71** (2) 683

Study on the simultaneous determination of some essential and toxic trace elements in honey by multi-element graphite furnace atomic absorption spectrometry

Benincasa C, Lewis J, Perri E, Sindona G\*, Tagarelli A// \*Univ Calabria, Dipt Chim, Via P Bucci, Cubo 12/C, IT-87030 Arcavacata di Rende, CS, Italy *Anal Chim Acta* 2007 **585** (2) 366

Determination of trace element in Italian virgin olive oils and their characterization according to geographical origin by statistical analysis

Bhagat PR, Pandey AK, Acharya R, Nair AGC, Rajurkar NS, Reddy AVR\*// \*Bhabha Atom Res Ctr, Div Radiochem, IN-400085 Mumbai, India *Talanta* 2007 **71** (3) 1226

Talanta 2007 71 (3) 1226

Selective preconcentration and determination of iodine species in milk samples using polymer inclusion sorbent

Daftsis EJ, Zachariadis GA\*// \*Aristotle Univ Thessaloniki, Dept Chem, Anal Chem Lab, GR-54124 Thessaloniki, Greece

Talanta 2007 71 (2) 722

Analytical performance of ETAAS method for Cd, Co, Cr and Pb determination in blood fractions samples

Gonzalez-Martin I, Hernandez-Hierro JM, Gonzalez-Cabrera JM// Fac Ciencias Quim, Dept Quim Analit Nutr & Bromatol, C/ Plaza Merced s/n, ES-37008 Salamanca, Spain

Anal Bioanal Chem 2007 387 (6) 2199

Use of NIRS technology with a remote reflectance fibre-optic probe for predicting mineral composition (Ca, K, P, Fe, Mn, Na, Zn), protein and moisture in alfalfa

Kobayashi K, Katsuya Y, Abdulah R, Koyama H// Gunma University, Graduate Sch Med, Dept Publ Hlth, 3-39-22 Showa machi, Maebashi, Gunma 371 8511, Japan

Biol Tr Elem Res 2007 115 (1) 87

Rapid and direct determination of selenium, copper and zinc in blood plasma by flow injection-inductively coupled plasma-mass spectrometry

Murphy KE, Long SE, Vocke RD// NIST, Dept Anal Chem, 100 Bureau Dr, Stop 8391, Gaithersburg, Md 20899, USA

Anal Bioanal Chem 2007 387 (7) 2453

On the certification of cadmium at trace and ultratrace levels in standard reference materials using ID ICP-MS  $\,$ 

Oliveira SM, Lopes TIMS, Rangel AOSS\*// \*Univ Catolica Portuguesa, Escola Super Biotecnol, Rua Dr Antonio Bernardino Almeida, PT-4200-072 Oporto, Portugal

Commun Soil Sci Plant Anal 2007 38 (3-4) 533

Sequential injection determination of nitrate in vegetables by spectrophotometry with inline cadmium reduction

Pohl P, Prusisz B// Wroclaw Technical University, Faculty Chemistry, Division Anal Chem, Wybrzeze Stainislawa Wyspianskiego 27, PL-50370 Wroclaw, Poland

Talanta 2007 71 (2) 715

Determination of Ca, Mg, Fe and Zn partitioning in UHT cow milks by two-column ion exchange and flame atomic absorption spectrometry detection

Prusisz B, Grymuza K, Pohl P// Wroclaw Technical University, Faculty Chemistry, Analytical Chem Grp, Smoluchowskiego 23, PL-50372 Wroclaw, Poland

Talanta 2007 71 (3) 1364

Interferences elimination in ion chromatography by inclusion of the interfering ion into the mobile phase - Analysis of fluoride in chloride rich dietary samples

Wolf WR, Goldschmidt RJ// USDA/ARS/BHNRC, Food Composition Lab, Bldg 161, 10300 Baltimore Blvd, Beltsville, Md 20705, USA

Anal Bioanal Chem 2007 **387** (7) 2449

Updated estimates of the selenomethionine content of NIST wheat reference materials by GC-IDMS

### 8. Drug, biocide & processing residues

Barriada-Pereira M, Gonzalez-Castro MJ, Muniategui-Lorenzo S\*, Lopez-Mahia P, Prada-Rodriguez D, Fernandez-Fernandez E// \*Univ A Coruna, Dept Anal Chem, Campus Zapateira s/n, ES-15071 La Coruna, Spain

Talanta 2007 71 (3) 1345

Comparison of pressurized liquid extraction and microwave assisted extraction for the determination of organochlorine pesticides in vegetables

Berendsen BJA, Mulder PPJ, Van Rhijn HA// RIKILT - Inst Food Safety, POB 230, NL-6700 AE Wageningen, The Netherlands

Anal Chim Acta 2007 585 (1) 126

The derivatisation of avermectins and milbemycins in milk: New insights and improvement of the procedure

Boatto G, Culeddu N, Testa C, Neri B, Brambilla G\*, Barbosa J, Cruz C// \*Ist Super Sanita, Dept Environm Toxicol Chem Unit, Viale Regina Elena 299, IT-00161 Rome, Italy

Anal Chim Acta 2007 586 (1-2) 223

Identification of a probable new adrenergic agonist by nuclear magnetic resonance and mass spectrometry

Bock C, Stachel C, Gowik P\*// \*EU, BVL-Fed Off Consumer Protect & Food Safety, Diedersdorfer Weg 1, DE-12277 Berlin, Germany

Anal Chim Acta 2007 586 (1-2) 348

Validation of a confirmatory method for the determination of residues of four nitrofurans in egg by liquid chromatography-tandem mass spectrometry with the software InterVal

Caldow M, Fussell RJ, Smith F, Sharman M// Cent Sci Lab, Sand Hutton, York YO41 1LZ, England

Food Addit Contam 2007 24 (3) 280

Development and validation of an analytical method for total amitraz in fruit and honey with quantification by gas chromatography-mass spectrometry

Campbell K, Fodey T, Flint J, Danks C, Danaher M, O'Keeffe M, Kennedy DG, Elliott C// Queens Univ Belfast, Inst Agri-Food & Land Use, David Kerr Bldg, Stranmillis Rd, Belfast BT9 5AG, Northern Ireland

J Agric Food Chem 2007 **55** (6) 2497

Development and validation of a lateral flow device for the detection of nicarbazin contamination in poultry feeds

Cerkvenik-Flajs V// Univ Ljubljana, Fac Vet, Inst Food Hyg & Bromatol, Gerbiceva 60, SI-1000 Ljubljana, Slovenia

Anal Chim Acta 2007 586 (1-2) 374

Determination of residues of azaperone in the kidneys by liquid chromatography with fluorescence detection

Chu PS, Lopez MI// US/FDA, Ctr Vet Med, 8401 Muirkirk Rd, Laurel, Md 20708, USA

J Agric Food Chem 2007 55 (6) 2129

Determination of nitrofuran residues in milk of dairy cows using liquid chromatography-tandem mass spectrometry

Davis WC, Christopher SJ, Pugh RS, Donard OFX, Krupp EA, Point D, Horvat M, Gibicar D, Kljakovic-Gaspic Z, Porter BJ, Schantz MM// Natl Inst Stand & Technol, Div Anal Chem, Hollings Marine Lab, 331 Ft Johnson Rd, Charleston, SC 29412, USA

Anal Bioanal Chem 2007 387 (7) 2335

Certification of methylmercury content in two fresh-frozen reference materials: SRM 1947 Lake Michigan fish tissue and SRM 1974b organics in mussel tissue (*Mytilus edulis*) Dowling G, Mulder PPJ, Duffy C, Regan L, Smyth MR// State Lab, Youngs Cross, Celbridge, Co Kildare, Rep Ireland

Anal Chim Acta 2007 586 (1-2) 411

Confirmatory analysis of malachite green, leucomalachite green, crystal violet and leucocrystal violet in salmon by liquid chromatography-tandem mass spectrometry

Flores JL, Diaz AM, De Cordova MLF\*// \*Univ Jaen, Fac Expt Sci, Dept Phys & Anal Chem, Paraje Lagunillas s/n, ES-23071 Jaen, Spain

Anal Chim Acta 2007 585 (1) 185

Determination of azoxystrobin residues in grapes, musts and wines with a multicommuted flow-through optosensor implemented with photochemically induced fluorescence

Fraselle S, Derop V, Degroodt JM, Van Loco J// Sci Inst Publ Hlth, Food Dept, 14 J Wytsmanst, BE-1050 Brussels, Belgium

Anal Chim Acta 2007 586 (1-2) 383

Validation of a method for the detection and confirmation of nitroimidazoles and the corresponding hydroxy metabolites in pig plasma by high performance liquid chromatography-tandem mass spectrometry

Gabaldon JA, Maquieira A, Puchades R\*// \*Univ Politecn Valencia, Dept Quim, Camino Vera s/n, ES-46071 Valencia, Spain

Talanta 2007 71 (3) 1001

Development of a simple extraction procedure for chlorpyrifos determination in food samples by immunoassay

Gowik P, Polzer J, Uhlig S// Fed Off Consumer Protect & Food Safety, European & Natl Reference Lab Residues Food Anim, DE-12277 Berlin, Germany *Accredit Qual Assur* 2007 **12** (3-4) 161

Reference material in residue control: Assessment of matrix effects

Granelli K, Branzell C// Natl Food Adm Toxicol Lab, Chem Div 1, Box 622, SE-75126 Uppsala, Sweden

Anal Chim Acta 2007 586 (1-2) 289

Rapid multi-residue screening of antibiotics in muscle and kidney by liquid chromatography-electrospray ionization-tandem mass spectrometry

Gratacos-Cubarsi M, Garcia-Regueiro JA, Castellari M\*// \*Inst Food & Agr Res & Technol, Food Chem Unit, Finca Campus i Armet, ES-17121 Girona, Spain Anal Bioanal Chem 2007 **387** (6) 1991

Assessment of enrofloxacin and ciprofloxacin accumulation in pig and calf hair by HPLC and fluorimetric detection

Haasnoot W, Gercek H, Cazemier G, Nielen MWF// RIKILT - Inst Food Safety, POB 230, NL-6700 AE Wageningen, The Netherlands

Anal Chim Acta 2007 586 (1-2) 312

Biosensor immunoassay for flumequine in broiler serum and muscle

Hamscher G, Priess B, Nau H// Univ Vet Med Hannover, Inst Food Toxicol, Bischofsholer Damm 15, DE-30173 Hannover, Germany

Anal Chim Acta 2007 586 (1-2) 330

Determination of phoxim residues in eggs by using high-performance liquid chromatography diode array detection after treatment of stocked housing facilities for the poultry red mite (*Dermanyssus gallinae*)

Igualada C, Moragues F\*, Pitarch J// \*Conselleria Sanidad, Lab Salud Publ Valencia, Cami Marjal s/n, ES-46470 Valencia, Spain

Anal Chim Acta 2007 586 (1-2) 432

Rapid method for the determination of non-steroidal anti-inflammatory drugs in animal tissues by liquid chromatography-mass spectrometry with ion-trap detector

Ji J, Deng CH, Zhang HQ, Wu YY, Zhang XM\*// \*Fudan Univ, Dept Chem, CN-200433 Shanghai, Peoples Rep China

Talanta 2007 71 (3) 1068

Microwave-assisted steam distillation for the determination of organochlorine pesticides and pyrethroids in Chinese teas

Kress C, Seidler C\*, Kerp B, Schneider E, Usleber E// \*Univ Giessen, Inst Vet Food Sci, Ludwigstr 21, DE-35390 Giessen, Germany

Anal Chim Acta 2007 586 (1-2) 275

Experiences with an identification and quantification program for inhibitor-positive milk samples

Lamar J, Petz M\*// \*Univ Wuppertal, Dept Food Chem, Gauss Str 20, DE-42119 Wuppertal, Germany

Anal Chim Acta 2007 586 (1-2) 296

Development of a receptor-based microplate assay for the detection of  $\beta\text{-lactam}$  antibiotics in different food matrices

Le Breton MH, Savoy-Perroud MC, Diserens JM// Nestec Ltd, Nestle Res Ctr, POB 44, CH-1000 Lausanne 26, Switzerland

Anal Chim Acta 2007 586 (1-2) 280

Validation and comparison of the Copan Milk Test and Delvotest SP-NT for the detection of antimicrobials in milk

Link N, Weber W, Fussenegger M\*// \*ETH, Inst Chem & Bioengn, HCI F115, Wolfgang Pauli Str 10, CH-8093 Zurich, Switzerland

J Biotechnol 2007 128 (3) 668

A novel generic dipstick-based technology for rapid and precise detection of tetracycline, streptogramin and macrolide antibiotics in food samples Liu J, Severt SA, Pan XP, Smith PN, McMurry ST, Cobb GP// Texas Tech Univ, Inst Environ & Human Hlth, Dept Environ Toxicol, Lubbock, Tx 79409, USA *Talanta* 2007 **71** (2) 627

Development of an extraction and cleanup procedure for a liquid chromatographic-mass spectrometric method to analyze octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine in eggs

Lohmus M, Kender T// Estonian Vet & Food Lab, Tallinn Lab, Dept Chromogr, Vaike-Paala 3, EE-11415 Tallinn, Estonia

Anal Chim Acta 2007 586 (1-2) 233

Determination of gestagens in kidney fat by liquid chromatography tandem mass spectrometry

Lolo M, Pedreira S, Vazquez BI, Franco CM, Cepeda A, Fente CA\*// \*Univ Santiago de Compostela, Fac Vet, Area Nutr & Bromatol, ES-27002 Lugo, Spain Anal Bioanal Chem 2007 **387** (5) 1933

Cryogenic grinding pre-treatment improves extraction efficiency of fluoroquinolones for HPLC-MS/MS determination in animal tissue

Loran S, Bayarri S, Conchello P, Herrera A// Univ Zaragoza, Fac Vet, Dept Anim Prod & Food Sci, C/ Miguel Servet 177, ES-50013 Zaragoza, Spain *Chemosphere* 2007 **67** (3) 513

Evaluation of GC-ion-trap-MS/MS methodology for monitoring PCDD/Fs in infant formulas

Marchesini GR, Haasnoot W, Delahaut P, Gercek H, Nielen MWF// Wageningen UR, RIKILT, POB 230, NL-6700 AE Wageningen, The Netherlands *Anal Chim Acta* 2007 **586** (1-2) 259

Dual biosensor immunoassay-directed identification of fluoroquinolones in chicken muscle by liquid chromatography electrospray time-of-flight mass spectrometry

Martello S, Felli M, Chiarotti M// Univ Sacred Heart, Ist Med Legale, Lgo Francesco Vito 1, IT-00168 Rome, Italy

Food Addit Contam 2007 24 (3) 258

Survey of nutritional supplements for selected illegal anabolic steroids and ephedrine using LC-MS/MS and GC-MS methods, respectively

Mitrowska K, Posyniak A, Zmudzki J// Natl Inst Vet Res, Dept Pharmacol & Toxicol, Al Partyzantow 57, PL-24100 Pulawy, Poland

Anal Chim Acta 2007 **586** (1-2) 420 The effect of cooking on residues of malachite green and leucomalachite green in carp muscles

. Nortensen SK, Pedersen M\*// \*Danish Inst Food & Vet Res, Morkhoj Bygade 19. DK-2860 Soborg, Denmark

Anal Chim Acta 2007 586 (1-2) 217

Confirmatory analysis of acetylgestagens in plasma using liquid chromatographytandem mass spectrometry

Mulder PPJ, Beumer B, Van Rhijn JA// RIKILT - Inst Food Safety, Bornsesteeg 45, Wageningen, The Netherlands

Anal Chim Acta 2007 586 (1-2) 366

The determination of biurea: A novel method to discriminate between nitrofurazone and azodicarbonamide use in food products

Nerin C, Contin E, Asensio E// Univ Zaragoza, Dept Anal Chem, CPS-Edif Torres Quevedo, C/ Maria de Luna 3, ES-50018 Zaragoza, Spain Anal Bioanal Chem 2007 **387** (6) 2283

Kinetic migration studies using Porapak as solid-food simulant to assess the safety of paper and board as food-packaging materials

Nielen MWF, Lasaroms JJP, Essers ML, Sanders MB, Heskamp HH, Bovee TFH, Van Rhijn JH, Groot MJ// RIKILT - Inst Food Safety, POB 230, NL-6700 AE Wageningen, The Netherlands

Anal Chim Acta 2007 586 (1-2) 30

The ultimate veal calf reference experiment: Hormone residue analysis data obtained by gas and liquid chromatography tandem mass spectrometry

Nielen MWF, Van Engelen MC, Zuiderent R, Ramaker R// Address as above Anal Chim Acta 2007 **586** (1-2) 122

Screening and confirmation criteria for hormone residue analysis using liquid chromatography accurate mass time-of-flight, Fourier transform ion cyclotron resonance and Orbitrap mass spectrometry techniques

Okerman L, Noppe H, Cornet V, De Zutter L// Univ Ghent, Fac Vet Med, Dept Vet Publ Hlth & Food Safety, Salisburylaan 133, BE-9820 Merelbeke, Belgium *Food Addit Contam* 2007 **24** (3) 252

Microbiological detection of 10 quinolone antibiotic residues and its application to artificially contaminated poultry samples

Okerman L, Van Hende J, De Zutter L// Address as above

Anal Chim Acta 2007 586 (1-2) 284

Stability of frozen stock solutions of  $\beta$ -lactam antibiotics, cephalosporins, tetracyclines and quinolones used in antibiotic residue screening and antibiotic susceptibility testing

Oliveira RV, De Pietro AC, Cass QB\*// \*Univ Fed Sao Carlos, Dept Quim, Caixa Postal 676, BR-13565-905 Sao Carlos, SP, Brazil

Talanta 2007 71 (3) 1233

Quantification of cephalexin as residue levels in bovine milk by high-performance liquid chromatography with on-line sample cleanup Ozturk N, Tuncel M, Tuncel NB// Anadolu Univ, Fac Pharm, Dept Pharmacognosy, TR-26470 Eskisehir, Turkey

J Liq Chromatogr Relat Technol 2007 30 (4) 587

Determination of phenolic acids by a modified HPLC: Its application to various plant materials

Pastor-Navarro N, Gallego-Iglesias E, Maquieira A\*, Puchades R// \*Univ Politecn Valencia, Dept Quim, Camino Vera s/n, ES-46022 Valencia, Spain *Talanta* 2007 **71** (2) 923

Development of a group-specific immunoassay for sulfonamides - Application to bee honey analysis

Pizzutti IR, De Kok A, Zanella R\*, Adaime MB, Hiemstra M, Wickert C, Prestes OD// \*Univ Fed Santa Maria, Dept Chem, Lab Pesticide Residues Anal, BR-97119-900 Santa Maria, RS, Brazil

J Chromatogr A 2007 1142 (2) 123

Method validation for the analysis of 169 pesticides in soya grain, without clean up, by liquid chromatography-tandem mass spectrometry using positive and negative electrospray ionization

Salquebre G, Bresson M, Villain M, Cirimele V, Kintz P// Laboratoire ChemTox, 3 rue Gruninger, FR-67400 Illkirch, France

J Anal Toxicol 2007 31 (2) 114

Clenbuterol determination in calf hair by UPLC-MS-MS: Case report of a fraudulent use for cattle growth

Santos SM, Henriques M, Duarte AC, Esteves VI\*// \*Univ Aveiro, Dept Chem, Campus Santiago, PT-3810-193 Aveiro, Portugal *Talanta* 2007 **71** (2) 731

Development and application of a capillary electrophoresis based method for the simultaneous screening of six antibiotics in spiked milk samples

Scherpenisse P, Bergwerff AA\*// \*Univ Utrecht, Inst Risk Assessment Sci, Vet Publ HIth Div, POB 80-175, NL-3508 TD Utrecht, The Netherlands

Anal Chim Acta 2007 586 (1-2) 407

Determination of residues of tricaine in fish using liquid chromatography tandem mass spectrometry

Schneider MJ, Darwish AM, Freeman DW// USDA/ARS, Eastern Reg Res Ctr, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA

Anal Chim Acta 2007 586 (1-2) 269

Simultaneous multiresidue determination of tetracyclines and fluoroquinolones in catfish muscle using high performance liquid chromatography with fluorescence detection

Sun CL, Chan SH, Lu D, Lee HMW, Bloodworth BC// Hlth Sci Authority, Food Lab, Ctr Anal Sci, 11 Outram Rd, SG-169078 Singapore, Rep Singapore *J Chromatogr A* 2007 **1143** (1-2) 162

Determination of isopropyl-9H-thioxanthen-9-one in packaged beverages by solid-phase extraction clean-up and liquid chromatography with tandem mass spectrometry detection

Thompson TS, Pernal SF, Noot DK, Melathopoulos AP, Van den Heever JP// AAFRD, Agri-Food Labs Branch, Food Safety Div, 6909 116th St, Edmonton, Alberta, Canada T6H 4P2

Anal Chim Acta 2007 586 (1-2) 304

Degradation of incurred tylosin to desmycosin - Implications for residue analysis of honey

Verdon E, Couedor P, Sanders P// Natl Reference Lab Control Vet Drug Residues Food, Agence Francaise Securite Sanitaire Aliments, FR-35302 Fougeres, France

Anal Chim Acta 2007 586 (1-2) 336

Multi-residue monitoring for the simultaneous determination of five nitrofurans (furazolidone, furaltadone, nitrofurazone, nitrofurantoine, nifursol) in poultry muscle tissue through the detection of their five major metabolites (AOZ, AMOZ, SEM, AHD, DNSAH) by liquid chromatography coupled to electrospray tandem mass spectrometry - In-house validation in line with Commission Decision 657/2002/EC

Verenitch SS, DeBruyn AMH, Ikonomou MG, Mazumder A// Univ Victoria, Water & Watershed Res Program, POB 3020 Stn CSC, Victoria, Brit Columbia, Canada V8W 3N5

J Chromatogr A 2007 1142 (2) 199

Ion-trap tandem mass spectrometry-based analytical methodology for the determination of polychlorinated biphenyls in fish and shellfish - Performance comparison against electron-capture detection and high-resolution mass spectrometry detection

Verheyden K, Le Bizec B, Courtheyn D, Mortier V, Vandewiele M, Gillis W, Vanthemsche P, De Brabander HF\*, Noppe H// \*Univ Ghent, Fac Med Vet, Dept Vet Publ Hlth & Food Safety, Lab Chem Anal, Salisburylaan 133, BE-9820 Merelbeke, Belgium

Anal Chim Acta 2007 586 (1-2) 57

Mass spectrometric detection of and similarities between 1-androgens

Wang XL, Li K, Shi DS, Xiong N, Jin X, Yi JD, Bi DR\*// \*Huazhong Agric Univ, Coll Vet Med, CN-430070 Wuhan, Peoples Rep China

J Agric Food Chem 2007 55 (6) 2072

Development of an immunochromatographic lateral-flow test strip for rapid detection of sulfonamides in eggs and chicken muscles Xia X, Li X, Zhang S, Ding S, Jiang H, Shen J\*// \*China Agr Univ, Coll Vet Med, Dept Pharmacol & Toxicol, CN-100094 Beijing, Peoples Rep China Anal Chim Acta 2007 **586** (1-2) 394

Confirmation of four nitroimidazoles in porcine liver by liquid chromatographytandem mass spectrometry

Zacco E, Galve R, Marco MP, Alegret S\*, Pividori MI// \*Univ Autonoma Barcelona, Dept Quim, Grp Sensors & Biosensors, ES-08193 Bellaterra, Spain *Biosens Bioelectron* 2007 **22** (8) 1707

Electrochemical biosensing of pesticide residues based on affinity biocomposite platforms

Zhang HY, Wang L, Zhang Y, Fang GZ, Zheng WJ, Wang S\*// \*Tianjin Univ Sci & Technol, Fac Food Engn & Biotechnol, Tianjin Key Lab Food Nutr & Safety, CN-300222 Tianjin, Peoples Rep China

J Agric Food Chem 2007 55 (6) 2079

Development of an enzyme-linked immunosorbent assay for seven sulfonamide residues and investigation of matrix effects from different food samples

Zhang Y, Ren YP, Zhao HM, Zhang Y\*// \*Zhejiang Univ, Coll Biosyst Engn & Food Sci, Dept Food Sci & Nutr, CN-310029 Hangzhou, Zhejiang, Peoples Rep China

Anal Chim Acta 2007 584 (2) 322

Determination of acrylamide in Chinese traditional carbohydrate-rich foods using gas chromatography with micro-electron capture detector and isotope dilution liquid chromatography combined with electrospray ionization tandem mass spectrometry

Zhang Y, Jiao JJ, Cai ZX, Zhang Y, Ren YP\*// \*Zhejiang Prov Ctr Dis Prevent & Control, CN-310009 Hangzhou, Peoples Rep China

J Chromatogr A 2007 1142 (2) 194

An improved method validation for rapid determination of acrylamide in foods by ultra-performance liquid chromatography combined with tandem mass spectrometry

Zhao HX, Wang LP, Qiu YM, Zhou ZQ\*, Zhong WK, Li X// \*China Agric Univ, Coll Sci, CN-100094 Beijing, Peoples Rep China

Anal Chim Acta 2007 586 (1-2) 399

Multiwalled carbon nanotubes as a solid-phase extraction adsorbent for the determination of three barbiturates in pork by ion trap gas chromatography-tandem mass spectrometry (GC/MS/MS) following microwave assisted derivatization

## 9. Toxins/Allergens

Agui L, Pena-Farfal C, Yanez-Sedeno P\*, Pingarron JM// \*Univ Complutense Madrid, Fac Chem, Dept Anal Chem, ES-28040 Madrid, Spain

Anal Chim Acta 2007 585 (2) 323

Determination of  $\beta$ -carboline alkaloids in foods and beverages by high-performance liquid chromatography with electrochemical detection at a glassy carbon electrode modified with carbon nanotubes

Asam S, Rychlik M\*// \*Tech Univ Munich, Lehrstuhl Lebensmittelchem, Lichtenbergstr $4,\,DE{-}85748$ Garching, Germany

Eur Food Res Technol 2007 224 (6) 769

Quantitation of type B-trichothecene mycotoxins in foods and feeds by a multiple stable isotope dilution assay

Careri M, Elviri L\*, Mangia A, Mucchino C// \*Univ Parma, Dipt Chim Gen & Inorgan, Viale GP Usberti 17/A, IT-43100 Parma, Italy

Anal Bioanal Chem 2007 387 (5) 1851

ICP-MS as a novel detection system for quantitative element-tagged immunoassay of hidden peanut allergens in foods

Herndl A, Marzban G, Kolarich D, Hahn R, Boscia D, Hemmer W, Maghuly F, Stoyanova E, Katinger H, Laimer M\*// \*BOKU, Dept Biotechnol, Plant Biotechnol Unit, Muthgasse 18, House B, AT-1190 Vienna, Austria *Electrophoresis* 2007 **28** (3) 437

Mapping of *Malus domestica* allergens by 2D electrophoresis and IgE-reactivity Hess P, McCarron P, Quilliam MA// Inst Marine, Galway, Rep Ireland

Anal Bioanal Chem 2007 **387** (7) 2463

Fit-for-purpose shellfish reference materials for internal and external quality control in the analysis of phycotoxins

Liazid A, Palma M\*, Brigui J, Barroso CG// \*Univ Cadiz, Fac Ciencias, Dept Quim Anal, Grp Invest Quim Anal Vino & Prod Agroalimentari, ES-11510 Cadiz, Spain

Talanta 2007 71 (2) 976

Investigation on ochratoxin A stability using different extraction techniques

Liu RR, Yu Z, He QH, Xu Y\*// \*Jiangxi Sci & Technol Normal Univ, Sch Life Sci, Fenglin Rd, CN-330013 Nanchang, Jiangxi, Peoples Rep China Food Control 2007 **18** (7) 872

An immunoassay for ochratoxin A without the mycotoxin

Maragos CM, Appell M// USDA/ARS, Mycotoxin Res Unit, 1815 Nth University St, Peoria, Il 61604, USA

J Chromatogr A 2007 1143 (1-2) 252

Capillary electrophoresis of the mycotoxin zearalenone using cyclodextrin-enhanced fluorescence

McCarron P, Emteborg H, Hess P// Marine Inst, Marine Environm & Food Safety Serv, Oranmore, Galway, Rep Ireland

Anal Bioanal Chem 2007 387 (7) 2475

Freeze-drying for the stabilisation of shellfish toxins in mussel tissue (Mytilus edulis) reference materials

McCarron P, Kotterman M, De Boer J, Rehmann N, Hess P// Address as above Anal Bioanal Chem 2007 387 (7) 2487

Feasibility of gamma irradiation as a stabilisation technique in the preparation of tissue reference materials for a range of shellfish toxins

McCarron P, Burrell S, Hess P// Address as above

Anal Bioanal Chem 2007 387 (7) 2495

Effect of addition of antibiotics and an antioxidant on the stability of tissue reference materials for domoic acid, the amnesic shellfish poison

Piermarini S, Micheli L\*, Ammida NHS, Palleschi G, Moscone D// \*Univ Roma Tor Vergata, Dipt Sci & Tecnol Chim, Via Ricerca Scientifica, IT-00133 Rome, Italy

Biosens Bioelectron 2007 22 (7) 1434

Electrochemical immunosensor array using a 96-well screen-printed microplate for aflatoxin B1 detection

Rajkovic A, Uyttendaele M\*, Debevere J// \*University Ghent, Department Food Safety & Food Qual, Lab Food Microbiol & Food Preservat, BE-9000 Ghent, Belgium

Int J Food Microbiol 2007 114 (1) 92

Computer aided boar semen motility analysis for cereulide detection in different food matrices

Ren YP, Zhang Y, Shao SL, Cai ZX, Feng L, Pan HF, Wang ZG\*// \*Zhejiang Prov Ctr Dis Prevent & Control, CN-310009 Hangzhou, Zhejiang Prov, Peoples Rep China

J Chromatogr A 2007 1143 (1-2) 48

Simultaneous determination of multi-component mycotoxin contaminants in foods and feeds by ultra-performance liquid chromatography tandem mass spectrometry

Saha D, Acharya D, Roy D, Shrestha D, Dhar TK\*// \*Indian Inst Chem Biol, Drug Dev Diagnost & Biotechnol Div, 4 Raja SC Mullick Rd, IN-700032 Kolkata, India

Anal Chim Acta 2007 584 (2) 343

Simultaneous enzyme immunoassay for the screening of aflatoxin B1 and ochratoxin A in chili samples

Sobolev VS// USDA/ARS, Natl Peanut Res Lab, POB 509, Dawson, Ga 39842, USA

J Agric Food Chem 2007 55 (6) 2136

Simple, rapid, and inexpensive cleanup method for quantitation of aflatoxins in important agricultural products by HPLC

Suzuki T, Horie Y, Koike K, Satake M, Oshima Y, Iwataki M, Yoshimatsu S// Tohoku Natl Fisheries Res Inst, 3-27-5 Shinhama, Shiogama, Miyagi 985 0001, Japan

J Chromatogr A 2007 1142 (2) 172

Yessotoxin analogues in several strains of Protoceratium reticulatum in Japan determined by liquid chromatography-hybrid triple quadrupole/linear ion trap mass spectrometry

Taguchi H, Watanabe S, Hirao T, Akiyama H, Sakai S, Watanabe T, Matsuda R, Urisu A, Maitani T// House Food Corp, Somatech Ctr, 1-4 Takanodai, Yotsukaido, Chiba 284 0033, Japan

J Agric Food Chem 2007 55 (5) 1649

Specific detection of potentially allergenic kiwifruit in foods using polymerase chain reaction

#### **10. Additives**

Barbosa J, Moura S, Barbosa R, Ramos F\*, Da Silveira MIN// \*Univ Coimbra, Fac Farm, Grp Bromatol, Ctr Estudos Farmaceut, PT-3000-295 Coimbra, Portugal

Anal Chim Acta 2007 586 (1-2) 359

Determination of nitrofurans in animal feeds by liquid chromatography-UV photodiode array detection and liquid chromatography-ionspray tandem mass spectrometry

De Baere S, De Backer P// University Ghent, Fac Med Vet, Dept Pharmacol Toxicol Biochem & Organ Physiol, Salisburylaan 133, BE-9820 Merelbeke, Belgium

Anal Chim Acta 2007 586 (1-2) 319

Quantitative determination of amoxicillin in animal feed using liquid chromatography with tandem mass spectrometric detection

Song YZ, Zhou JF, Song Y, Xie JM, Ye Y// Huaiyin Teaching Coll, Dept Chem, Jiangsu Prov Key Lab Chem Low-Dimensional Materials, CN-223300 Huaian, Peoples Rep China

Comput Biol Med 2007 37 (3) 315

Theoretical analysis on retention behavior of pigments in reversed-phase highperformance liquid chromatographic (HPLC)

Van Poucke C, Detavernier C, Van Cauwenberghe R, Van Peteghem C// Univ Ghent, Dept Bioanal, Lab Food Anal, Harelbekstr 72, BE-9000 Ghent, Belgium Anal Chim Acta 2007 586 (1-2) 35

Determination of anabolic steroids in dietary supplements by liquid chromatography-tandem mass spectrometry

#### 11. Flavours & aromas

Al-Marzouqi AH, Rao MV, Jobe B// United Arab Emirates Univ, Dept Chem & Petroleum Engn, POB 17555, Al Ain, United Arab Emirates J Liq Chromatogr Relat Technol 2007 30 (4) 463

Comparative evaluation of SFE and steam distillation methods on the yield and composition of essential oil extracted from spearmint (Mentha spicata)

Bhattacharyya N, Seth S, Tudu B, Tamuly P, Jana A, Ghosh D, Bandyopadhyay R, Bhuyan M// Ctr Dev Adv Comp, IN-700091 Kolkata, India

J Food Eng 2007 80 (4) 1146 Monitoring of black tea fermentation process using electronic nose

Caligiani A, Acquotti D, Palla G, Bocchi V// Univ Parma, Dipt Chim Organ & Ind, Via Usberti 17/A, IT-43100 Parma, Italy

Anal Chim Acta 2007 585 (1) 110

Identification and quantification of the main organic components of vinegars by high resolution <sup>1</sup>H NMR spectroscopy

Carrillo JD. Tena MT\*// \*Univ La Rioja, Dept Chem, C/ Madre de Dios 51, ES-26006 La Rioja, Spain

Anal Bioanal Chem 2007 387 (7) 2547

Determination of ethylphenols in wine by in situ derivatisation and headspace solid-phase microextraction-gas chromatography-mass spectrometry

De Souza PP, Siebald HGL\*, Augusti DV, Neto WB, Amorim VM, Catharino RR, Eberlin MN, Augusti R// \*Univ Fed Minas Gerais, Dept Chem, BR-31270-901 Belo Horizonte, MG, Brazil

J Agric Food Chem 2007 55 (6) 2094

Electrospray ionization mass spectrometry fingerprinting of Brazilian artisan cachaca aged in different wood casks

Ferreira V, Ortin N, Cacho JF// Univ Zaragoza, Fac Sci, Dept Anal Chem, Lab Flavor Anal & Enol, ES-50009 Zaragoza, Spain

J Chromatogr A 2007 1143 (1-2) 190

Optimization of a procedure for the selective isolation of some powerful aroma thiols - Development and validation of a quantitative method for their determination in wine

Frank O, Blumberg S, Kunert C, Zehentbauer G, Hofmann T\*// \*Tech Univ Munich, Lehrstuhl Lebensmittelchem & Molek Sensorik, Lise Meitner Str 34, DE-85350 Freising Weihenstephan, Germany J Agric Food Chem 2007 55 (5) 1945

Structure determination and sensory analysis of bitter-tasting 4-vinylcatechol oligomers and their identification in roasted coffee by means of LC-MS/MS

Granitto PM, Biasioli F\*, Aprea E, Mott D, Furlanello C, Mark TD, Gasperi F// \*IASMA, Via E Mach 2, IT-38010 San Michele all'Adige, TN, Italy Sensor Actuator B Chem 2007 121 (2) 379

Rapid and non-destructive identification of strawberry cultivars by direct PTR-MS headspace analysis and data mining techniques

Hayashi N, Chen RG, Ikezaki H, Ujihara T, Kitajima H, Mizukami Y// Natl Inst Vegetable & Tea Sci, 2769 Kanaya, Shizuoka 428 8501, Japan Biosci Biotechnol Biochem 2007 71 (2) 587

Evaluation of the astringency of black tea by a taste sensor system: Scope and limitation

Jalali-Heravi M, Zekavat B, Sereshiti H// Sharif Univ Technol, Dept Chem, POB 11365, Tehran, Iran

J Chromatogr A 2007 1143 (1-2) 215

Use of gas chromatography-mass spectrometry combined with resolution methods to characterize the essential oil components of Iranian cumin and caraway

Lopez R, Lapena AC, Cacho J, Ferreira V// Univ Zaragoza, Fac Sci, Dept Anal Chem, ES-50009 Zaragoza, Spain

J Chromatogr A 2007 1143 (1-2) 8

Quantitative determination of wine highly volatile sulfur compounds by using automated headspace solid-phase microextraction and gas chromatography-pulsed flame photometric detection - Critical study and optimization of a new procedure

Mahattanatawee K, Perez-Cacho PR, Davenport T, Rouseff R\*// \*Univ Florida, Inst Food & Agric Sci, Citrus Res & Educat Ctr, 700 Expt Stn Rd, Lake Alfred, FI 33850, USA

J Agric Food Chem 2007 55 (5) 1939

Comparison of three lychee cultivar odor profiles using gas chromatographyolfactometry and gas chromatography-sulfur detection

Pizarro C, Perez-del-Notario N, Gonzalez-Saiz JM// Univ La Rioja, Dept Chem, C/ Madre de Dios 51, ES-26006 Logrono, Spain

J Chromatogr A 2007 1143 (1-2) 26

Optimisation of a headspace solid-phase microextraction with on-fiber derivatisation method for the direct determination of haloanisoles and halophenols in wine

Pizarro C, Perez-del-Notario N, Gonzalez-Saiz JM// Address as above J Chromatogr A 2007 1143 (1-2) 176

Determination of Brett character responsible compounds in wines by using multiple headspace solid-phase microextraction

Richter J, Schellenberg I\*// \*Univ Appl Sci, Inst Bioanal Sci - IBAS, Ctr Life Sci, Strenzfelder Allee 28, DE-06406 Bernburg, Germany Anal Bioanal Chem 2007 **387** (6) 2207

Comparison of different extraction methods for the determination of essential oils and related compounds from aromatic plants and optimization of solid-phase microextraction/gas chromatography

Ting PL, Kay S, Ryder D// Miller Brewer Co, Technical Ctr, Milwaukee, Wi, USA

J Am Soc Brew Chemist 2007 65 (1) 9

Separation and identification of stereoisomers of isomerized  $\alpha$ -acid derivatives by HPLC/DAD and electrospray HPLC/MS

Xie WC, Tan ZC\*, Gu XH, Tang J, Wang GY, Luo CR, Sun LX// \*Guangdong Ocean Univ, Sch Food Sci & Technol, CN-524025 Zhanjiang, Peoples Rep China

J Therm Anal Calorim 2007 87 (2) 505

Thermal decomposition of two synthetic glycosides by TG, DSC and simultaneous Py-GC-MS analysis

#### **12. Organic acids**

Campuzano S, Gamella M, Serra B, Reviejo AJ, Pingarron JM\*// \*Univ Complutense Madrid, Faculty Chemistry, Dept Anal Chem, ES-28040 Madrid, Spain

J Agric Food Chem 2007 55 (6) 2109

Integrated electrochemical gluconic acid biosensor based on self-assembled monolayer-modified gold electrodes. Application to the analysis of gluconic acid in musts and wines

Gallarta F, Sainz FJ, Saenz C\*// \*Univ La Rioja, Dept Chem, Anal Chem Lab, Madre de Dios 51, ES-26006 Logrono, Spain

Anal Bioanal Chem 2007 **387** (6) 2297

Fluorescent sensing layer for the determination of L-malic acid in wine

#### **13.** Animal products

Binke R, Spiegel K, Schwagele F// Inst Dr Erdmann, Amselweg 12, DE-33378 Rheda Wiedenbruck, Germany

Fleischwirtschaft 2007 87 (2) 93

Identification of animal tissue in meat products by means of PCR (German)

Buratti S, Benedetti S, Cosio MS// Univ Milan, Dipt Sci & Tecnol Alimentari & Microbiol, Via Celoria 2, IT-20133 Milan, Italy

Talanta 2007 71 (3) 1387

Evaluation of the antioxidant power of honey, propolis and royal jelly by amperometric flow injection analysis

Laube I, Zagon J, Broll H// Bundeinst Risikobewertung, Thielallee 88-92, DE-14195 Berlin, Germany

Int J Food Sci Technol 2007 42 (3) 336

Quantitative determination of commercially relevant species in foods by real-time PCR

Man YBC, Aida AA, Raha AR, Son R// Univ Pertanian Malaysia, Inst Halal Food, MY-43400 Serdang, Selangor, Malaysia

Food Control 2007 18 (7) 885

Identification of pork derivatives in food products by species-specific polymerase chain reaction (PCR) for halal verification

Myers MJ, Yancy HF, Farrell DE, Washington JD, Deaver CM, Frobish RA// Off Res, Ctr Vet Med, 8401 Muirkirk Rd, Laurel, Md 20708, USA

J Food Prot 2007 70 (3) 692

Assessment of two enzyme-linked immunosorbent assay tests marketed for detection of ruminant proteins in finished feed

## 14. Plant & microbial products

Bravo L, Goya L, Lecumberri E// Inst Frio - CSIC, Dept Metab & Nutr, C/ Jose Antonio Novais 10, Ciudad Univ, ES-28040 Madrid, Spain

Food Res Int 2007 40 (3) 393

LC/MS characterization of phenolic constituents of mate (*Ilex paraguariensis*, St. Hil.) and its antioxidant activity compared to commonly consumed beverages

Calderone G, Guillou C, Reniero F, Naulet N// Commission European Communities, Joint Research Centre, Inst Hlth & Consumer Protect, Phys & Chem Exposure Unit, BEVABS-TP281 JRC-Ispra, Via Fermi 2, IT-20127 Milan, VA, Italy

Food Res Int 2007 40 (3) 324

Helping to authenticate sparkling drinks with  $^{13}\rm C/^{12}\rm C$  of CO\_ by gas chromatography-isotope ratio mass spectrometry

Cho IH, Kim YS, Choi HK\*// \*Chung Ang Univ, Coll Pharm, Seoul 156 756, South Korea

*J Pharm Biomed Anal* 2007 **43** (3) 900

Metabolomic discrimination of different grades of pine-mushroom (Tricholoma matsutake Sing.) using <sup>1</sup>H NMR spectrometry and multivariate data analysis

Ciosek P, Wroblewski W// Warsaw Univ Technol, Dept Anal Chem, Noakowskiego 3, PL-00664 Warsaw, Poland

Talanta 2007 71 (2) 738

Performance of selective and partially selective sensors in the recognition of beverages

Cozzolino D, Kwiatkowski MJ, Waters EJ, Gishen M// Australian Wine Res Inst, POB 197, Glen Osmond, SA 5064, Australia

Anal Bioanal Chem 2007 387 (6) 2289

A feasibility study on the use of visible and short wavelengths in the near-infrared region for the non-destructive measurement of wine composition

De Almeida AA, Scarminio IS\*// \*Univ Estadual Londrina, Dept Quim, Lab Quimiometr Ciencias Nat, CP6001, BR-86051-990 Londrina, Parana, Brazil J Sep Sci 2007 **30** (3) 414

Statistical mixture design optimization of extraction media and mobile phase compositions for the characterization of green tea

Fenske M// Univ Bayreuth, Dept Anim Physiol, POB 101251, DE-95440 Bayreuth, Germany

Chromatographia 2007 65 (3-4) 233

Caffeine determination in human saliva and urine by TLC and ultraviolet absorption densitometry

Fernandez-Lopez JA, Castellar R, Obon JM, Almela L// Polytech Univ Cartagena, Dept Chem Engn, Paseo Alfonso XIII 52, ES-30203 Cartagena, Murcia, Spain

J Chromatogr Sci 2007 45 (3) 120

Monitoring by liquid chromatography coupled to mass spectrometry the impact of pH and temperature on the pigment pattern of cactus pear fruit extracts

Ksenzhek O, Petrova S\*, Kolodyazhny M// \*Ukranian State Univ Chem Technol, 8 Gagarin prospect, UA-49005 Dnepropetrovsk, Ukraine

*Electroanalysis* 2007 **19** (2-3) 389 Redox spectra of wines

redox spectra or writes

Lin Y, Liao MJ, Yang GP\*, Yu WG, Guan HS, Fan W, Dong JJ// \*Ocean Univ China, Coll Marine Life Sci, Qingdao, Peoples Rep China

J Am Soc Brew Chemist 2007 65 (1) 47Identification of barley varieties used in beer production by microsatellite DNA

Identification of barley varieties used in beer production by microsatellite DNA markers

Mane C, Sommerer N, Yalcin T, Cheynier V, Cole RB, Fulcrand H// INRA UMR1803 Sci Oenol, FR-34060 Montpellier, France

Anal Chem 2007 79 (6) 2239

Assessment of the molecular weight distribution of tannin fractions through MALDI-TOF MS analysis of protein-tannin complexes

Marin S, Vinaixa M, Brezmes J, Llobet E, Vilanova X, Correig X, Ramos AJ, Sanchis V// Lleida Univ, Dept Food Technol, CeRTA-UTPV, Alcalde Rovira 191, ES-25198 Lleida, Spain

Int J Food Microbiol 2007 114 (1) 10

Use of a MS-electronic nose for prediction of early fungal spoilage of bakery products

Matsumoto H, Ikoma Y, Kato M, Kuniga T, Nakajima N, Yoshida T// Natl Inst Fruit Tree Sci, Okitsu Citrus Res Stn, Shimizu Okitsunakacho, Shizuoka 424 029, Japan

J Agric Food Chem 2007 55 (6) 2356

Quantification of carotenoids in citrus fruit by LC-MS and comparison of patterns of seasonal changes for carotenoids among citrus varieties

Murray SR, Butler RC, Hardacre AK, Timmerman-Vaughan GM// New Zealand Inst Crop & Food Res Ltd, POB 4704, Christchurch, New Zealand J Agric Food Chem 2007 55 (6) 2231

Use of quantitative real-time PCR to estimate maize endogenous DNA degradation after cooking and extrusion or in food products

Pizarro C, Esteban-Diez I, Gonzalez-Saiz JM// Univ La Rioja, Dept Chem, C/ Madre de Dios 51, ES-26006 Logrono, Spain

Anal Chim Acta 2007 585 (2) 266

Mixture resolution according to the percentage of *robusta* variety in order to detect adulteration in roasted coffee by near infrared spectroscopy

Reitzenstein S, Roesch P, Strehle MA, Berg D, Baranska M, Schulz H, Rudloff E, Popp J\*// \*Univ Jena, Inst Phys Chem, Helmholtzweg 4, DE-07743 Jena, Germany

J Raman Spectrosc 2007 38 (3) 301

Nondestructive analysis of single rapeseeds by means of Raman spectroscopy

Xie LJ, Ying YB\*, Ying TJ, Yu HY, Fu XP// \*Zhejiang Univ, Coll Biosyst Engn & Food Sci, 268 Kaixuan St, CN-310029 Hangzhou, Peoples Rep China Anal Chim Acta 2007 **584** (2) 379

Discrimination of transgenic tomatoes based on visable/near-infrared spectra