

Bibliography of analytical, nutritional and clinical methods

(3 weeks journals. Search completed at 17th Aug. 2005)

1. Books, reviews & symposia

Dugo G, Tranchida PQ, Cotroneo A, Dugo P, Bonaccorsi I, Marriott P, Shellie R, Mondello L*// *Univ Messina, Fac Farm, Dipt Farm-Chim, Viale Annunziata, IT-98168 Messina, Italy

Flavour Fragr J 2005 **20** (3) 249

Advanced and innovative chromatographic techniques for the study of citrus essential oils (Review)

Roginsky V, Lissi EA// Russian Acad Sci, Inst Chem Phys, 4 Kosygin St, RU-119991 Moscow, Russia

Food Chem 2005 **92** (2) 235

Review of methods to determine chain-breaking antioxidant activity in food

3. Amino acids, proteins & enzymes

Hanft F, Koehler P*// *Deutsch Forsch Anstalt Lebensmittelchem, Lichtenbergstr 4, DE-85748 Garching, Germany

J Agric Food Chem 2005 **53** (7) 2418

Quantitation of dityrosine in wheat flour and dough by liquid chromatography-tandem mass spectrometry

Moriyama T, Machidori M, Ozasa S, Maebuchi M, Urade R, Takahashi K, Ogawa T, Maruyama N// Kyoto Univ, Grad Sch Agr, Lab Mol Funct Food, Uji, Kyoto 611 0011, Japan

J Nutr Sci Vitaminol 2005 **51** (1) 34

A novel enzyme-linked immunosorbent assay for quantification of soybean β -conglycinin, a major soybean storage protein, in soybean and soybean food products

Schafer C, Schott M, Brandl F, Neidhart S*, Carle R// *Univ Hohenheim, Inst Food Technol, Sect Plant Foodstuff Technol, August von Hartmann Str 3, DE-70599 Stuttgart, Germany

J Agric Food Chem 2005 **53** (8) 2830

Identification and quantification of ϵ -(γ -glutamyl)lysine in digests of enzymatically cross-linked leguminous proteins by high-performance liquid chromatography electrospray ionization mass spectrometry (HPLC-ESI-MS)

Vidal ML, Gautron J, Nys Y*// *INRA, Rech Avicoles Stn, FR-37380 Nouzilly, France

J Agric Food Chem 2005 **53** (7) 2379

Development of an ELISA for quantifying lysozyme in hen egg white

5. Lipids

Abrodo PA, Cabrales IM, Alonso JJM, Blanco-Gomis D*// *Univ Oviedo, Dept Quim Fis & Analit, ES-33006 Oviedo, Spain

Food Chem 2005 **92** (1) 183

Fatty acid composition of cider obtained either by traditional or controlled fermentation

Avalli A, Contarini G*// *CRA Ist Sperimentale Lattiero Caseario, Via A Lombardo 11, IT-26900 Lodi, Italy

J Chromatogr A 2005 **1071** (1-2) 185

Determination of phospholipids in dairy products by SPE/HPLC/ELSD

Fragaki G, Spyros A, Siragakis G, Salivaras E, Dais P*// *Univ Crete, Dept Chem, NMR Lab, GR-71409 Iraklion, Crete, Greece

J Agric Food Chem 2005 **53** (8) 2810

Detection of extra virgin oil adulteration with lampante olive oil and refined olive oil using nuclear magnetic resonance spectroscopy and multivariate statistical analysis

Fu YC, Chen SH, Huang PY, Li YJ// Natl Chung Hsing Univ, Dept Food Sci, 250 Kuokuang Rd, Taichung 40227, Taiwan

J Agric Food Chem 2005 **53** (7) 2392

Application of bubble separation for quantitative analysis of choline in *Dioscorea* (yam) tubers

Li G, Liao JM, Hu GQ, Ma NZ, Wu PJ// Zhejiang Univ, Dept Biomed Engn, 38 ZheDa Rd, CN-310027 Hangzhou, Peoples Rep China

Biosens Bioelectron 2005 **20** (10) 2140

Study of carbon nanotube modified biosensor for monitoring total cholesterol in blood

Stransky K, Zarevucka M, Wimmer Z*// *Inst Organ Chem & Biochem AS CR, Nat Prod Dept, Flemingovo namesti 2, CZ-16610 Prague 6, Czech Republic

Food Chem 2005 **92** (3) 569

Gas chromatography analysis of blackcurrant oil in relation to its stability

Syahriza ZA, Che Man YB*, Selamat J, Bakar J// *Univ Putra Malaysia, Fac Food Sci & Technol, Dept Food Technol, MY-43400 UPM, Serdang, Selangor, DE, Malaysia

Food Chem 2005 **92** (2) 365

Detection of lard adulteration in cake formulation by Fourier transform infrared (FTIR) spectroscopy

6. Vitamins & co-factors

Heudi O, Kilinc T, Fontannaz P// Nestec Ltd, Nestle Res Ctr, Qual & Safety Dept, Vers-chez-les-Blanc, CH-1000 Lausanne, Switzerland

J Chromatogr A 2005 **1070** (1-2) 49

Separation of water-soluble vitamins by reversed-phase high performance liquid chromatography with ultra-violet detection: Application to polyvitaminated premixes

Kaur H, Kewalramani N, Garg MR, Kumar P// Natl Dairy Res Inst, IN-132001 Karnal, Haryana, India

Indian J Anim Sci 2004 **74** (12) 1236

Methodology for simultaneous estimation of vitamins A and E in animal feeds using high performance liquid chromatography

Patring JDM, Jastrebova JA, Hjortmo SB, Andlid IM// Swedish Univ Agr Sci, Dept Food Sci, POB 7051, SE-75007 Uppsala, Sweden

J Agric Food Chem 2005 **53** (7) 2406

Development of a simplified method for the determination of folates in baker's yeast by HPLC with ultraviolet and fluorescence detection

Saccani G, Tanzi E, Mallozzi S, Cavalli S// Stazione Sperimentale Industria Conserve Alimentari, Viale Tanara 31/A, IT-43100 Parma, PR, Italy

Food Chem 2005 **92** (2) 373

Determination of niacin in fresh and dry cured pork products by ion chromatography: Experimental design approach for the optimisation of nicotinic acid separation

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.

Zhang GF, Mortier KA, Storzhenko S, Van de Steene J, Van der Straeten D, Lambert WE// *Ghent Univ, Lab Toxicol, Harelbekestr 72, BE-9000 Ghent, Belgium

Rapid Commun Mass Spectrom 2005 **19** (8) 963

Free and total *para*-aminobenzoic acid analysis in plants with high-performance liquid chromatography/tandem mass spectrometry

7. Trace elements & minerals

Capelo JL, Catarino S, Curvelo-Garcia AS, Vaiao M// Inst Super Tecnol, Ctr Quim Estrutural, Avda Rovisco Pais s/n, PT-1049-001 Lisbon, Portugal

J AOAC Int 2005 **88** (2) 585

Focused ultrasound *versus* microwave digestion for the determination of lead in must by electrothermal-atomic absorption spectrometry

Cocchi M, Faeti V, Manfredini M, Manzini D, Marchetti A*, Sighinolfi S// *Univ Modena & Reggio Emilia, Dept Chem, Via Campi 183, IT-41100 Modena, Italy

J AOAC Int 2005 **88** (2) 393

Determination of metal concentration in fat supplements for swine nutrition by atomic absorption spectroscopy

Lasrado JA, Santerre CR*, Shim SM, Stahl JR// *Purdue Univ, Dept Food & Nutr, Stone Hall, Room 205, 700 West State St, West Lafayette, In 47907, USA

J Food Prot 2005 **68** (4) 879

Analysis of mercury in sportfish tissue by thermal decomposition, amalgamation/atomic absorption spectrophotometry

Lemos VA, De Jesus AA, Gama EM, David GT, Yamaki RT// Univ Estadual Sudoeste Bahia, LQA, BR-45200-000 Jequeia, BA, Brazil

Anal Lett 2005 **38** (4) 683

On-line solid phase extraction and determination of copper in food samples using polyurethane foam loaded with Me-BTANC

Terrab A, Recamales AF, Gonzalez-Miret ML, Heredia FJ// *Univ Sevilla, Fac Farm, Area Nutr & Bromatol, C/ P Garcia Gonzalez 2, ES-41012 Sevilla, Spain

Food Chem 2005 **92** (2) 305

Contribution to the study of avocado honeys by their mineral contents using inductively coupled plasma optical emission spectrometry

Zhao MT, Wang J, Lu B, Lu H// Nat Res Ctr Certified Reference Materials, 18 Bei San Huan Dong Lu, Chaoyangqu, CN-100013 Beijing, Peoples Rep China

Rapid Commun Mass Spectrom 2005 **19** (7) 910

Certification of the cadmium content in certified reference materials for Cd rice flour

8. Drug, biocide & processing residues

Dey BP, Reamer RP, Thaker NH, Thaler AM// USDA, Food Safety & Inspect Serv, Methods Dev Lab, Beltsville, Md 20705, USA

J AOAC Int 2005 **88** (2) 440

Calf Antibiotic and Sulfonamide Test (CAST) for screening antibiotic and sulfonamide residues in calf carcasses

Dey BP, Thaker NH, Bright SA, Thaler AM// Address as above

J AOAC Int 2005 **88** (2) 447

Fast Antimicrobial Screen Test (FAST): Improved screen test for detecting antimicrobial residues in meat tissue

He JH, Shen JZ*, Suo X, Jiang HY, Hou XL// *China Agr Univ, Coll Vet Med, Dept Pharmacol & Toxicol, CN-100094 Beijing, Peoples Rep China

J Food Sci 2005 **70** (1) C113

Development of a monoclonal antibody-based ELISA for detection of sulfamethazine and *N*⁶-acetyl sulfamethazine in chicken breast muscle tissue

Huang LG, Xiao AG, Fan SX, Yin JY, Chen P, Liu DC, Qiu YS, Wang YL, Yuan ZH// *Huazhong Agr Univ, Coll Vet Med, MOE Key Lab Food Safety Evaluat, Ref Lab State Vet Drug Residues, CN-430070 Wuhan, Peoples Rep China

J AOAC Int 2005 **88** (2) 472

Development of liquid chromatographic methods for determination of quinocetone and its main metabolites in edible tissues of swine and chicken

Huet AC, Mortier L, Daeseleire E, Fodey T, Elliott C, Delahaut P// *Ctr Econ Rurale, Lab Hormonol Anim, rue Point Jour 8, BE-6900 Marloie, Belgium

Food Addit Contam 2005 **22** (2) 128

Screening for the coccidiostats halofuginone and nicarbazin in egg and chicken muscle: Development of an ELISA

Hutchinson MJ, Young PB, Kennedy DG// *Dept Agr & Rural Dev, Chem Surveillance Dept, Vet Sci Div, Belfast BT4 3SD, Northern Ireland

Food Addit Contam 2005 **22** (2) 113

Confirmatory method for the analysis of carbadox and olaquinox in porcine feedingstuffs using LC-electrospray MS-MS

Law KA, Higson SPJ// *Cranfield Univ Silsoe, Inst Biosci & Technol, Silsoe MK45 4DG, England

Biosens Bioelectron 2005 **20** (10) 1914

Sonochemically fabricated acetylcholinesterase micro-electrode arrays within a flow injection analyser for the determination of organophosphate pesticides

Lehotay SJ, De Kok A, Hiemstra M, Van Bodegraven P// USDA/ARS, Eastern Reg Res Ctr, 600 East Mermaid Ave, Washington, DC 20250, USA

J AOAC Int 2005 **88** (2) 595

Validation of a fast and easy method for the determination of residues from 229 pesticides in fruits and vegetables using gas and liquid chromatography and mass spectrometric detection

Lehotay SJ, Mastovska K, Lightfield AR// Address as above

J AOAC Int 2005 **88** (2) 615

Use of buffering and other means to improve results of problematic pesticides in a fast and easy method for residue analysis of fruits and vegetables

Lehotay SJ, Mastovska K, Yun SJ// Address as above

J AOAC Int 2005 **88** (2) 630

Evaluation of two fast and easy methods for pesticide residue analysis in fatty food matrices

Lolo M, Pedreira S, Fente C*, Vazquez BI, Franco CM, Cepeda A// *Univ Santiago de Compostela, Fac Vet, Area Nutr & Bromatol, ES-28002 Lugo, Spain

J Agric Food Chem 2005 **53** (8) 2849

Study of enrofloxacin depletion in the eggs of laying hens using diphasic dialysis extraction/purification and determinative HPLC-MS analysis

Michulec M, Wardencki W// Gdansk Tech Univ, Fac Chem, Dept Analyt Chem, 11-12 G Narutowicza Str, PL-80952 Gdansk, Poland

J Chromatogr A 2005 **1071** (1-2) 119

Development of headspace solid-phase microextraction-gas chromatography method for the determination of solvent residues in edible oils and pharmaceuticals

Penney L, Bergeron C, Coates B, Wijewickreme A// CANTEST Ltd Food Residue, 4606 Canada Way, Burnaby, Brit Columbia, Canada V5G 1K5

J AOAC Int 2005 **88** (2) 496

Simultaneous determination of residues of dipyrone and its major metabolites in milk, bovine muscle, and porcine muscle by liquid chromatography/mass spectrometry

Penney L, Smith A, Coates B, Wijewickreme A// Address as above

J AOAC Int 2005 **88** (2) 645

Determination of chloramphenicol residues in milk, eggs, and tissues by liquid chromatography/mass spectrometry

Rodil R, Carro AM*, Lorenzo RA, Torrijos RC// *Univ Santiago de Compostela, Fac Quim, Dept Quim Analit Nutr & Bromatol, Avda Ciencias s/n, ES-15282 Santiago de Compostela, Spain

Anal Chem 2005 **77** (7) 2259

Selective extraction of trace levels of polychlorinated and polybrominated contaminants by supercritical fluid-solid-phase microextraction and determination by gas chromatography/mass spectrometry. Application to aquaculture fish feed and cultured marine species

Rupp HS, Anderson CR// US/FDA, Seafood Prod Res Ctr, Pacific Reg Lab NW, 23rd Dr SE, Bothell, Wa 98021, USA

J AOAC Int 2005 **88** (2) 505

Determination of oxytetracycline in salmon by liquid chromatography with metal-chelate fluorescence detection

Shi JB, Liang LN, Jiang GB// *Chinese Acad Sci, Key Lab Environm Chem & Ecotoxicol, Res Ctr Ecoenvironm Sci, POB 2871, CN-100085 Beijing, Peoples Rep China

J AOAC Int 2005 **88** (2) 665

Simultaneous determination of methylmercury and ethylmercury in rice by capillary gas chromatography coupled on-line with atomic fluorescence spectrometry

Turesky RJ, Taylor J, Schnackenberg L, Freeman JP, Holland RD// NYS Dept Hlth, Div Environm Dis Prevent, Wadsworth Ctr, Empire State Pl, POB 509, Albany, NY 12201, USA

J Agric Food Chem 2005 **53** (8) 3248

Quantitation of carcinogenic heterocyclic aromatic amines and detection of novel heterocyclic aromatic amines in cooked meats and grill scrapings by HPLC/ESI-MS

Vahl M// Danish Inst Food & Vet Res, Dept Food Chem, Morkhoj Bygade 19,

DK-2860 Soborg, Denmark

Food Addit Contam 2005 **22** (2) 120

Analysis of nifursol residues in turkey and chicken meat using liquid chromatography-tandem mass spectrometry

9. Toxins/Allergens

Arranz I, Derbyshire M, Kroeger K, Mischke C, Stroka J*, Anklam E// *Eur Commiss, Inst Reference Mat & Measurements, Food Safety & Qual Unit, Joint Res Ctr, Retieseweg 111, BE-2440 Geel, Belgium

J AOAC Int 2005 **88** (2) 518

Liquid chromatographic method for quantitation of patulin at 10 ng/mL in apple-based products intended for infants: Interlaboratory study

Cavaliere C, D'Ascenzo G, Foglia P, Pastorini E, Samperi R, Lagana A**// *La Sapienza Univ, Dept Chem, Piazzale Aldo Moro 5, IT-00185 Roma, Italy

Food Chem 2005 **92** (3) 559

Determination of type B trichothecenes and macrocyclic lactone mycotoxins in field contaminated maize

Czerwiecki L, Wilczynska G, Kwiecian A// Inst Agr & Food Biotechnol, 36 Rakowiecka St, PL-02532 Warsaw, Poland

Food Addit Contam 2005 **22** (2) 158

Ochratoxin A: An improvement clean-up and HPLC method used to investigate wine and grape juice on the Polish market

Marcobal A, Polo MC, Martin-Alvarez PJ, Moreno-Arribas MV**// *Inst Fermentacion Ind - CSIC, Juan Cierva 3, ES-28006 Madrid, Spain

Food Res Int 2005 **38** (4) 387

Biogenic amine content of red Spanish wines: Comparison of a direct ELISA and an HPLC method for the determination of histamine in wines

Poms RE, Agazzi ME, Bau A, Brohee M, Capelletti C, Norgaard JV, Anklam E**// *European Commiss, Inst Reference Mat & Measurements, Joint Res Ctr, BE-2440 Geel, Belgium

Food Addit Contam 2005 **22** (2) 104

Inter-laboratory validation study of five commercial ELISA test kits for the determination of peanut proteins in biscuits and dark chocolate

Senyuva HZ, Gilbert J// TUBITAK, Ankara Test & Anal Lab, Konya Yolu 67, TR-06530 Ankara, Turkey

J AOAC Int 2005 **88** (2) 526

Immunoaffinity column cleanup with liquid chromatography using post-column bromination for determination of aflatoxins in hazelnut paste: Inter-laboratory study

10. Additives

Ammawath W, Man YBC*, Baharin BS, Rahman RBA// *Univ Putra Malaysia, Fac Food Sci & Biotechnol, Dept Food Technol, MY-43300 Serdang, Malaysia

J Food Lipids 2004 **11** (4) 266

A new method for determination of *tert*-butylhydroquinone (TBHQ) in RBD palm olein with FTIR spectroscopy

Farer LJ// Schering Plough Res Inst, 2000 Galloping Hill Rd, Kenilworth, NJ 07033, USA

J AOAC Int 2005 **88** (2) 462

Determination of emamectin benzoate in medicated fish feed: A multisite study

Farer LJ, Hayes JM// Address as above

J AOAC Int 2005 **88** (2) 468

Comparison study of two procedures for the determination of emamectin benzoate in medicated fish feed

Gianotti V, Angioi S, Gosetti F, Marengo E, Gennaro MC// Univ Piemonte Orientale Amadeo Avogadro, Dipt Sci & Tecnol Avanzate, Spalto Marengo 33, IT-15100 Alessandria, Italy

J Liq Chromatogr Relat Technol 2005 **28** (6) 923

Chemometrically assisted development of IP-RP-HPLC and spectrophotometric methods for the identification and determination of synthetic dyes in commercial soft drinks

He DY, Zhang ZJ*, Huang Y// *SW Normal Univ, Inst Analyt Sci, Dept Chem, CN-400715 Chongqing, Peoples Rep China

Anal Lett 2005 **38** (4) 563

Chemiluminescence microflow injection analysis system on a chip for the determination of sulfite in food

Walsh G, Murphy RA, Killeen GF, Power RF// Univ Limerick, Dept Chem & Environm Sci, Limerick, Rep Ireland

Appl Microbiol Biotechnol 2005 **67** (1) 70

Quantification of supplemental enzymes in animal feedingstuffs by radial enzyme diffusion

11. Flavours & aromas

Alasalvar C, Taylor KDA, Shahidi F// Lincoln Univ, Fac Hlth Life & Social Sci, Food Res Ctr, Lincoln LN6 7TS, England

J Agric Food Chem 2005 **53** (7) 2616

Comparison of volatiles of cultured and wild sea bream (*Sparus aurata*) during storage in ice by dynamic headspace analysis gas chromatography mass spectrometry

Baranauskienė R, Venskutonis PR*, Galdikas A, Senulienė D, Setkus A// *Kaunas Univ Technol, Dept Food Technol, Radvilenu pl 19, LT-50015 Kaunas, Lithuania

Food Chem 2005 **92** (1) 45

Testing of microencapsulated flavours by electronic nose and SPME-GC

Damjanovic B, Lepojevic Z, Zivkovic V, Tolic A// Univ Montenegro, Fac Metallurgy & Technol, Cetinjski put bb, YU-81000 Podgorica, Serbia & Montenegro

Food Chem 2005 **92** (1) 143

Extraction of fennel (*Foeniculum vulgare* Mill.) seeds with supercritical CO₂: Comparison with hydrodistillation

Giuseppe Z, Manuela G, Marta B, Vincenzo G// Univ Turin, Agr Fac, Dept Exploit & Protect Agr & Forestry Resources, Via L da Vinci 44, IT-10095 Grugliasco, Italy

J Chromatogr A 2005 **1071** (1-2) 247

Application of artificial neural network on mono- and sesquiterpenes compounds determined by headspace solid-phase microextraction gas chromatography mass spectrometry for the Piedmont Ricotta cheese traceability

Guillen DA, Palma M, Natera R, Romero R, Barroso CG// Univ Cadiz, Fac Ciencias, Dept Quim Analit, Poligono Rio San Pedro s/n, POB 40, ES-11510 Puerto Real, Cadiz, Spain

J Agric Food Chem 2005 **53** (7) 2412

Determination of the age of sherry wines by regression techniques using routine parameters and phenolic and volatile compounds

Hale TA, Hassell RL, Phillips T, Halpin E// Clemson Univ, Coastal Res & Educat Ctr, 2700 Savannah Highway, Charleston, SC 29414, USA

Horttechnology 2005 **15** (2) 313

Taste panel perception of sweetness and sweetness acceptability compared to high pressure liquid chromatography analysis of sucrose and total sugars among three phenotypes (*su*, *se*, and *sh*₂) at varying maturities of fresh sweet corn

Ho IP, Yoo SJ, Tefera S// NFPA, Ctr Dev Res Policies & New Technol, 1350 I St, NW Suite 300, Washington, DC 20005, USA

J AOAC Int 2005 **88** (2) 574

Determination of furan levels in coffee using automated solid-phase microextraction and gas chromatography/mass spectrometry

Kim N, Park K, Park IS, Cho YJ, Bae YM// Korea Food Res Inst, San 46-1, Baekhyun-dong, Bundang-gu, Songnam-si, Kyonggi-do 463 746, Korea

Biosens Bioelectron 2005 **20** (11) 2283

Application of a taste evaluation system to the monitoring of kimchi fermentation

Pet'ka J, Ferreira V, Cacho J// Food Res Inst, Priemyselna 4, SK-82475 Bratislava, Slovakia

Flavour Fragr J 2005 **20** (3) 278

Posterior evaluation of odour intensity in gas chromatography-olfactometry: Comparison of methods for calculation of panel intensity and their consequences

12. Organic acids

Choi MMF// Hong Kong Baptist Univ, Dept Chem, Kowloon Tong, Hong Kong, Peoples Rep China

Food Chem 2005 **92** (3) 575

Application of a long shelf-life biosensor for the analysis of L-lactate in dairy products and serum samples

13. Animal products

Berrini A, Tepedino V, Borromeo V, Secchi C**// *Univ Milan, Dept Anim Pathol & Hlth, Biochem & Physiol Unit, Via Celoria, IT-20133 Milan, Italy

J AOAC Int 2005 **88** (2) 670

Isoelectric focusing identification of four freshwater fish commercially labeled "perch"

Bertram HC, Jakobsen HJ, Nielsen OB// Danish Inst Agr Sci, Dept Food Sci, Res Ctr Foulum, POB 50, DK-8830 Tjele, Denmark
J Agric Food Chem 2005 **53** (8) 3229

Origin of the high-frequency resonances in ¹H NMR spectra of muscle tissue: An *in vitro* slow magic-angle spinning study

Feligini M, Bonizzi I, Curik VC, Parma P, Greppi GF, Enne G// Ist Sperimentale Italiano Lazzaro Spallanzani, Viale Papa Giovanni 23 7, IT-26900 Lodi, Italy
Food Technol Biotechnol 2005 **43** (1) 91

Detection of adulteration in Italian Mozzarella cheese using mitochondrial DNA templates as biomarkers

Herde K, Bergmann M, Lang C, Leiser R, Wenisch S// Univ Giessen, Inst Vet Anat Histol & Embryol, Giessen, Germany
J Food Prot 2005 **68** (4) 823

Glial fibrillary acidic protein and myelin basic protein as markers for the immunochemical detection of bovine central nervous tissue in heat-treated meat products

Ji D, Zhang LJ, Chen JH, Peng E// Analyt Labs Anaheim Inc, 1241 Nth Lakeview Ave, Suite Q, Anaheim, Ca 92807, USA
J AOAC Int 2005 **88** (2) 413

Precolumn derivatization liquid chromatography method for analysis of dietary supplements for glucosamine: Single laboratory validation study

Pascoal A, Prado M, Calo P, Cepeda A, Barros-Velazquez J// *Univ Santiago de Compostela, Sch Vet Sci, Dept Analyt Chem Nutr & Food Sci, Lab Food Technol, ES-27002 Lugo, Spain
Eur Food Res Technol 2005 **220** (3-4) 444

Detection of bovine DNA in raw and heat-processed foodstuffs, commercial foods and specific risk materials by a novel specific polymerase chain reaction method

Xu YF, Velasco-Garcia M, Mottram TT// Silsoe Res Inst, Silsoe MK45 4HS, England
Biosens Bioelectron 2005 **20** (10) 2061

Quantitative analysis of the response of an electrochemical biosensor for progesterone in milk

14. Plant & microbial products

Chen X, Zhang J, Zhai H, Chen X, Hu Z// *Lanzhou Univ, Dept Chem, CN-730000 Lanzhou, Peoples Rep China
Food Chem 2005 **92** (2) 381

Determination of levodopa by capillary zone electrophoresis using an acidic phosphate buffer and its application in the analysis of beans

Cocciardi RA, Ismail AA*, Sedman J// *McGill Univ, Dept Food Sci & Agr Chem, 21 111 Lakeshore Rd, Ste Anne de Bellevue, Quebec, Canada H9X 3V9
J Agric Food Chem 2005 **53** (8) 2803

Investigation of the potential utility of single-bounce attenuated total reflectance Fourier transform infrared spectroscopy in the analysis of distilled liquors and wines

Collonnier C, Schattner A, Berthier G, Boyer F, Coue-Philippe G, Diolez A, Duplan MN, Fernandez S, Kebdani N, Kobilinsky A, Romaniuk M, De Beuckeleer M, De Loose M, Windels P, Bertheau Y// *INRA, Lab Methodol & Detect OGM, Route St Cyr, FR-78206 Versailles, France
J AOAC Int 2005 **88** (2) 536

Characterization and event specific-detection by quantitative real-time PCR of T25 maize insert

Feinberg M, Fernandez S, Cassard S, Charles-Delobel C, Bertheau Y// INRA, 16 rue Claude Bernard, FR-75231 Paris, France
J AOAC Int 2005 **88** (2) 558

Quantitation of 35S promoter in maize DNA extracts from genetically modified organisms using real-time polymerase chain reaction, part 2: Inter-laboratory study

Fernandez S, Charles-Delobel C, Geldreich A, Berthier G, Boyer F, Collonnier C, Coue-Philippe G, Diolez A, Duplan MN, Kebdani N, Romaniuk M, Feinberg M, Bertheau Y// *INRA, Lab Methodol Detect OGM, Unite PMDV, Route St Cyr RD10, FR-78026 Versailles, France
J AOAC Int 2005 **88** (2) 547

Quantification of the 35S promoter in DNA extracts from genetically modified organisms using real-time polymerase chain reaction and specificity assessment on various genetically modified organisms, part I: Operating procedure

Fратиани A, Irano M, Panfili G*, Acquistucci R// *Univ Molise, DISTAAM, Via Sanctis, IT-86100 Campobasso, Italy

J Agric Food Chem 2005 **53** (7) 2373

Estimation of color of durum wheat. Comparison of WSB, HPLC, and reflectance colorimeter measurements

Hegde PS, Chandra TS// *Indian Inst Technol Chennai, Dept Chem, Biochem Lab, IN-600036 Chennai, India
Food Chem 2005 **92** (1) 177

ESR spectroscopic study reveals higher free radical quenching potential in kodo millet (*Paspalum scrobiculatum*) compared to other millets

Heimler D, Vignolini P, Dini MG, Romani A// Univ Florence, Dipt Sci Suolo & Nutr Pianta, P Cascine 18, IT-50144 Florence, Italy
J Agric Food Chem 2005 **53** (8) 3053

Rapid tests to assess the antioxidant activity of *Phaseolus vulgaris* L. dry beans

Kong XG, Xie JK, Wu XL, Huang YJ, Bao JS// *Zhejiang Univ, Coll Agr & Biotechnol, Inst Nucl Agr Sci, Hua Jiachi Campus, CN-310029 Hangzhou, Peoples Rep China
J Agric Food Chem 2005 **53** (8) 2843

Rapid prediction of acid detergent fiber, neutral detergent fiber, and acid detergent lignin of rice materials by near-infrared spectroscopy

Lakshminarayana R, Raju M, Krishnakantha TP, Baskaran V// *Cent Food Technol Res Inst, Dept Biochem & Nutr, IN-570020 Mysore, Karnataka, India
J Agric Food Chem 2005 **53** (8) 2838

Determination of major carotenoids in a few Indian leafy vegetables by high-performance liquid chromatography

Mello LD, Alves AA, Vaz De Macedo D, Kubota LT// *Inst Quim - UNICAMP, Caixa Postal 6154, BR-13083-970 Campinas, SP, Brazil
Food Chem 2005 **92** (3) 515

Peroxidase-based biosensor as a tool for a fast evaluation of antioxidant capacity of tea

Peng Y, Liu F, Peng Y, Ye J// *East China Normal Univ, Dept Chem, Zhongshan Rd Nth 3663, CN-200062 Shanghai, Peoples Rep China
Food Chem 2005 **92** (1) 169

Determination of polyphenols in apple juice and cider by capillary electrophoresis with electrochemical detection

Petit L, Baraige F, Bertheau Y, Brunschwig P, Diolez A, Duhem K, Duplan MN, Fach P, Kobilinsky A, Lamart S, Schattner A, Martin P// AFSSA, Lab Etud & Rech Qual Aliments & Procèdes Agroaliment, FR-94700 Maisons Alfort, France
J AOAC Int 2005 **88** (2) 654

Detection of genetically modified corn (Bt176) in spiked cow blood samples by polymerase chain reaction and immunoassay methods

Schaefer O, Bohlmann R, Schleuning WD, Schulze-Forster K, Humpel M// *Schering AG, Res Labs, DE-13342 Berlin, Germany
J Agric Food Chem 2005 **53** (8) 2881

Development of a radioimmunoassay for the quantitative determination of 8-prenylningenin in biological matrices

Singh M, Paulsen MR*, Tian L, Yao H// *360-B Ag Engr Sci Bldg, 1304 West Penn Ave, Urbana, IL 61801, USA
Appl Eng Agric 2005 **21** (2) 239

Site-specific study of corn protein, oil, and extractable starch variability using NIT spectroscopy

Tani H, Noda N, Yamada K, Kurata S, Tsuneda S, Hirata A, Kanagawa T// *Natl Inst Adv Ind Sci & Technol, Inst Biol Resources & Funct, 1-1-1 Higashi, Tsukuba, Ibaraki 305 8566, Japan
J Agric Food Chem 2005 **53** (7) 2535

Quantification of genetically modified soybean by quenching probe polymerase chain reaction

Taverniers I, Windels P, Vaitilingom M, Milcamps A, Van Bockstaele E, Van den Eede G, De Loose M// Agr Res Ctr, Dept Genet & Plant Breeding, Caritastr 21, BE-9090 Melle, Belgium
J Agric Food Chem 2005 **53** (8) 3041

Event-specific plasmid standards and real-time PCR methods for transgenic Bt11, Bt176, and GA21 maize and transgenic GT73 canola

Wu XL, Prior RL// *USDA/ARS, Arkansas Childrens Nutr Ctr, 1120 Marshall St, Little Rock, Ar 72202, USA
J Agric Food Chem 2005 **53** (7) 2589

Systematic identification and characterization of anthocyanins by HPLC-ESI-MS/MS in common foods in the United States: Fruits and berries

Wu XL, Prior RL// *USDA/ARS, Arkansas Childrens Nutr Ctr, 1120 Marshall St, Little Rock, Ar 72202, USA
J Agric Food Chem 2005 **53** (8) 3101

Identification and characterization of anthocyanins by high-performance liquid chromatography-electrospray ionization-tandem mass spectrometry in common foods in the United States: Vegetables, nuts, and grains