

## Bibliography of analytical, nutritional and clinical methods

(2 weeks journals. Search completed at 5th Oct. 2005)

### 1. Books, reviews & symposia

Borkova M, Snašlová J// MILCOM as, Dairy Res Inst, Vyzkumny ustav mlékarensky, Ke Dvoru 12a, CZ-16000 Prague 6, Czech Republic  
*Czech J Food Sci* 2005 **23** (2) 41

Possibilities of different animal milk detection in milk and dairy products - A review

Logrieco A, Arrigan DWM, Brengel-Pesce K, Siciliano P, Tothill I// CNR, Ist Sci Prod Alimentari, Via Amendola 122/O, IT-70126 Bari, Italy  
*Food Addit Contam* 2005 **22** (4) 335

DNA arrays, electronic noses and tongues, biosensors and receptors for rapid detection of toxigenic fungi and mycotoxins: A review

Zhang Y, Zhang GY, Zhang Y// Zhejiang Univ, Coll Biosyst Engn & Food Sci, Dept Food Sci & Nutr, CN-310029 Hangzhou, Peoples Rep China  
*J Chromatogr A* 2005 **1075** (1-2) 1

Occurrence and analytical methods of acrylamide in heat-treated foods - Review and recent developments

### 3. Amino acids, proteins & enzymes

Alberghina G, Cozzolino R, Fisichella S, Garozzo D\*, Savarino A// \*CNR Inst Chem & Technol Polym, 6 Vle R Margherita, IT-95125 Catania, Italy  
*Rapid Commun Mass Spectrom* 2005 **19** (14) 2069

Proteomics of gluten: Mapping of the 1Bx7 glutenin subunit in Chinese Spring cultivar by matrix-assisted laser desorption/ionization

Celik S, Yalcin E, Basman A, Koksul H// Hacettepe Univ, Fac Engn, Dept Food Engn, Ankara, Turkey  
*Int J Food Sci Nutr* 2004 **55** (8) 641

Effects of irradiation on protein electrophoretic properties, water absorption and cooking quality of lentils

Dalla Rizza M, Dellavalle PD, Vazquez D, Castro M// INIA Natl Inst Agr Res, Biotechnol Unit, Ruta 48 km 10, Canelones, Uruguay  
*Cereal Chem* 2005 **82** (3) 287

Improved resolution of non-silica-based size-exclusion HPLC column for wheat flour protein analyses

Magni C, Herndl A, Sironi E, Scarafoni A, Ballabio C, Restani P, Bernardini R, Novembre E, Vierucci A, Duranti M// \*State Univ Milan, Dept AgriFood Mol Sci, Via Celoria 2, IT-20133 Milan, Italy  
*J Agric Food Chem* 2005 **53** (11) 4567

One- and two-dimensional electrophoretic identification of IgE-binding polypeptides of *Lupinus albus* and other legume seeds

Palomares L, Prestamo G// Inst Frio - CSIC, Dept Ciencia & Tecnol Prod Vegetales, C/ Jose Antonio Novais 10, ES-28040 Madrid, Spain  
*Eur Food Res Technol* 2005 **220** (5-6) 644

Detection of peroxidase activity in two-dimensional gel electrophoresis

Paredes B, Gonzalez S, Rendueles M\*, Villa-Garcia MA, Diaz JM// \*Univ Oviedo, Dept Chem Engn & Environm Technol, C/ Julian Claveria 8, ES-33006 Oviedo, Spain  
*J Chromatogr Sci* 2005 **43** (5) 241

Egg-white protein fractionation using new weak anion-exchange resins based on poly(glycidyl methacrylate-co-ethyl dimethacrylate). Preparation and characterization

Wait R, Gianazza E, Brambilla D, Eberini N, Morandi S, Arnoldi A, Sirtori CR// \*Univ Milan, Dept Pharmacol Sci, IT-20133 Milan, Italy  
*J Agric Food Chem* 2005 **53** (11) 4599

Analysis of *Lupinus albus* storage proteins by two-dimensional electrophoresis and mass spectrometry

Xu WT, Huang KL, Zhao H, Luo YB// \*China Agr Univ, Coll Food Sci & Nutr Engn, CN-100083 Beijing, Peoples Rep China  
*J Agric Food Chem* 2005 **53** (11) 4315

Application of immunoaffinity column as cleanup tool for an enzyme linked immunosorbent assay of phosphothricin-*N*-acetyltransferase detection in genetically modified maize and rape

### 4. Carbohydrates

Kuczejda M, Ramirez S, Yilmaz S// Schmidt & Haensch GmbH & Co, Waldstr 80-81, DE-13403 Berlin, Germany  
*Int Sugar J* 2005 **107** (1277) 302

NIR polarimetry/sample preparation for sucrose measurement and assessment of an automated system for colour, turbidity and ash determination

Yang HS, An HJ, Feng GP, Li YF, Lai SJ// Shanghai Jiao Tong Univ, Inst Refrigerat & Cryogen Engn, CN-200030 Shanghai, Peoples Rep China  
*Eur Food Res Technol* 2005 **220** (5-6) 587

Atomic force microscopy of the water-soluble pectin of peaches during storage

### 5. Lipids

Choo YM, Ng MH, Ma AN, Chuah CH, Hashim MA// Malaysian Palm Oil Board, 6 Persiaran Inst, Bandar Baru Bangi, MY-43000 Kajang, Selangor, Malaysia  
*Lipids* 2005 **40** (4) 429

Application of supercritical fluid chromatography in the quantitative analysis of minor components (carotenes, vitamin E, sterols, and squalene) from palm oil

Guo BY, Wen B, Shan XQ\*, Zhang SZ, Lin JM// \*Chinese Acad Sci, State Key Lab Environm Chem & Ecotoxicol, Ecoenvironm Sci Res Ctr, POB 2871, CN-100085 Beijing, Peoples Rep China  
*J Chromatogr A* 2005 **1074** (1-2) 205

Separation and determination of phospholipids in plant seeds by nonaqueous capillary electrophoresis

Pena F, Cardenas S, Gallego M, Valcarcel M// \*Univ Cordoba, Dept Analyt Chem, Campus Rabanales, ES-14071 Cordoba, Spain  
*J Chromatogr A* 2005 **1074** (1-2) 215

Direct olive oil authentication: Detection of adulteration of olive oil with hazelnut oil by direct coupling of headspace and mass spectrometry, and multivariate regression techniques

Phillips KM, Ruggio DM, Ashraf-Khorassani M// Virginia Polytech Inst & State Univ, Dept Biochem, Blacksburg, Va 24061, USA  
*J Food Lipids* 2005 **12** (2) 124

Analysis of steryl glucosides in foods and dietary supplements by solid-phase extraction and gas chromatography

Rontani JF, Aubert C// Ctr Oceanol Marseille, Lab Microbiol Geochim & Ecol Marines, UMR 6117, Campus Luminy-Case 901, FR-13288 Marseille, France  
*Rapid Commun Mass Spectrom* 2005 **19** (14) 1921

Electron ionization mass spectral fragmentation of cholestane-3 $\beta$ ,4 $\alpha$ ,5 $\alpha$ -triol and cholestane-3 $\beta$ ,5 $\alpha$ ,6 $\alpha$ -triol bis- and tris-trimethylsilyl derivatives

Veliyulin E, Van der Zwaag C, Burk W, Erikson U// SINTEF Fisheries &

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.

Aquaculture, NO-7465 Trondheim, Norway  
*J Sci Food Agric* 2005 **85** (8) 1299  
 In vivo determination of fat content in Atlantic salmon (*Salmo salar*) with a mobile NMR spectrometer  
 Zhang YY, Yang YW\*, Ren QL, Jiang HL// \*Zhejiang Univ, Natl Lab Secondary Resources Chem Engr, CN-310027 Hangzhou, Peoples Rep China  
*J Liq Chromatogr Relat Technol* 2005 **28** (9) 1333  
 Quantification of soybean phospholipids in soybean degummed oil residue by HPLC with evaporative light scattering detection

## 6. Vitamins & co-factors

Al-Talla ZA, Tolley LT\*// \*Sthn Illinois Univ, Dept Chem, 1245 Lincoln Dr, Carbondale, IL 62901, USA  
*Rapid Commun Mass Spectrom* 2005 **19** (16) 2337  
 Analysis of vitamin E derivatives in serum using coordinated ion spray mass spectrometry  
 Garratt LC, Ortori CA, Tucker GA, Sablitzky F, Bennett MJ, Barrett DA\*// \*Univ Nottingham, Sch Pharm, Ctr Analyt Biosci, Univ Pk, Nottingham NG7 2RD, England  
*Rapid Commun Mass Spectrom* 2005 **19** (17) 2390  
 Comprehensive metabolic profiling of mono- and polyglutamated folates and their precursors in plant and animal tissue using liquid chromatography/negative ion electrospray ionisation tandem mass spectrometry  
 LaCroix DE, Wolf WR\*, Kwansa AL// \*USDA/ARS, Food Composit Lab, BHNRC, Bldg 161, Beltsville, Md 20705, USA  
*Cereal Chem* 2005 **82** (3) 277  
 Rapid trichloroacetic acid extraction and liquid chromatography method for determination of nicotinamide in commercial cereals  
 Nelson BC, Satterfield MB, Sniegoski LT, Welch MJ// Natl Inst Stand & Technol, Div Analyt Chem, Gaithersburg, Md 20899, USA  
*Anal Chem* 2005 **77** (11) 3586  
 Simultaneous quantification of homocysteine and folate in human serum or plasma using liquid chromatography/tandem mass spectrometry  
 Tarasova VA, Kiryushov VN// Russian Acad Sci, Siberian Div, Inst Solid State Chem & Mechanochem, ul Kutateladze 18, RU-630128 Novosibirsk, Russia  
*J Anal Chem Engl Tr* 2005 **60** (1) 56  
 Activation of solid electrodes made of platinum, gold, and a graphite-epoxy resin composite by mechanically cutting their surfaces *in situ* in the anodic voltammetry of ascorbic acid

## 7. Trace elements & minerals

Cubadda F, Raggi A// Natl Ctr Food Qual & Risk Assessment, Ist Super Sanita, Viale Regina Elena 299, IT-00161 Rome, Italy  
*Microchem J* 2005 **79** (1-2) 91  
 Determination of cadmium, lead, iron, nickel and chromium in selected food matrices by plasma spectrometric techniques  
 Dugo G, La Pera L, Turco VL, Palmieri RM, Saitta M// Univ Messina, Dept Organic & Biol Chem, Salita Sperone 31, IT-98166 Messina, Italy  
*Food Chem* 2005 **93** (4) 703  
 Effect of boiling and peeling on manganese content of some vegetables determined by derivative anodic stripping chronopotentiometry (dASCP)  
 Jacobs EMG, Hendriks JCM, Van Tits BLJH, Evans PJ, Breuer W, Liu DY, Jansen EHJM, Jauhiainen K, Sturm B, Porter JB, Scheiber-Mojdehkar B, Von Bonsdorff L, Cabantchik ZI, Hider RC, Swinkels DW\*// \*Radboud Univ, Dept Clin Chem, Nijmegen Med Ctr, NL-6500 HB Nijmegen, The Netherlands  
*Anal Biochem* 2005 **341** (2) 241  
 Results of an international round robin for the quantification of serum non-transferrin-bound iron: Need for defining standardization and a clinically relevant isoform  
 Perring L, Andrey D, Basic-Dvorzak M, Blanc J// Nestle Res Ctr, Dept Qual & Safety Assurance, Vers-chez-les-Blanc, CH-1000 Lausanne, Switzerland  
*J Agric Food Chem* 2005 **53** (12) 4696  
 Rapid multimineral determination in infant cereal matrices using wavelength dispersive X-ray fluorescence

## 8. Drug, biocide & processing residues

Abuknesha RA, Luk C// KCL, Sch Life & Hlth Sci, Pharmaceut Sci Res Div, Analyt Sci Grp, 150 Stamford St, London SE1 9NH, England  
*Analyst* 2005 **130** (6) 964  
 Enzyme immunoassays for the analysis of streptomycin in milk, serum and water: Development and assessment of a polyclonal antiserum and assay procedures using novel streptomycin derivatives

Aybar-Munoz J, Fernandez-Gonzalez E, Garcia-Ayuso LE, Gonzalez-Casado A\*, Cuadros-Rodriguez L// \*Univ Granada, Sch Qualimetr, Dept Analyt Chem, ES-18071 Granada, Spain  
*Chromatographia* 2005 **61** (9-10) 505  
 Semiquantitative method for detection of pesticide residues over established limits in vegetables by use of GC- $\mu$ ECD and GC-(EI)MS  
 Chavez-Servin JL, Castellote AI, Lopez-Sabater MC\*// \*Univ Barcelona, Fac Farm, Dept Nutr Bromatol, CeRTA, Avda Joan XXIII s/n, ES-08028 Barcelona, Spain  
*J Chromatogr A* 2005 **1076** (1-2) 133  
 Analysis of potential and free furfural compounds in milk-based formulae by high-performance liquid chromatography - Evolution during storage  
 Goldmann T, Perisset A, Scanlan F, Stadler RH// Nestec Ltd, Nestle Res Ctr, Vers-chez-les-Blanc, CH-1000 Lausanne, Switzerland  
*Analyst* 2005 **130** (6) 878  
 Rapid determination of furan in heated foodstuffs by isotope dilution solid phase micro-extraction-gas chromatography-mass spectrometry (SPME-GC-MS)  
 Hamlet CG, Jayaratne SM, Morrison C// RHM Technology Ltd, Lord Rank Ctr, Lincoln Rd, High Wycombe HP12 3QR, England  
*Rapid Commun Mass Spectrom* 2005 **19** (16) 2235  
 Application of positive ion chemical ionisation and tandem mass spectrometry combined with gas chromatography to the trace level analysis of ethyl carbamate in bread  
 Hartig L, Von Czapiewski K// Wiertz-Eggert-Jorissen GmbH, Eurofins, Stenzelring 14b, DE-21107 Hamburg, Germany  
*Spectrosc Eur* 2005 **17** (3) 21  
 Detecting nitrofurans metabolites in animal products using LC/MS/MS  
 Noonan GO, Warner CR, Hsu W, Begley TH, Perfetti GA, Diachenko GW// US/FDA, Off Food Addit Safety, College Park, Md 20740, USA  
*J Agric Food Chem* 2005 **53** (12) 4680  
 The determination of semicarbazide (*N*-aminourea) in commercial bread products by liquid chromatography-mass spectrometry  
 Nozal J, Bernal JL, Jimenez JJ, Martin T, Bernal J// Univ Valladolid, Fac Sci, Dept Analyt Chem, Prado Magdalena s/n, ES-47005 Valladolid, Spain  
*J Chromatogr A* 2005 **1076** (1-2) 90  
 Determination of azolic fungicides in wine by solid-phase extraction and high-performance liquid chromatography-atmospheric pressure chemical ionization-mass spectrometry  
 Perez-Ruiz T, Martinez-Lozano C, Sanz A, Bravo E// Univ Murcia, Fac Chem, Dept Analyt Chem, ES-30071 Murcia, Spain  
*Chromatographia* 2005 **61** (9-10) 493  
 Determination of organophosphorus pesticides in water, vegetables and grain by automated SPE and MEKC  
 Rosales-Conrado N, Leon-Gonzalez ME\*, Perez-Arribas LV, Polo-Diez LM// \*Univ Complutense Madrid, Fac Ciencias Quim, Dept Quim Analyt, Ciudad Univ s/n, ES-28040 Madrid, Spain  
*J Chromatogr A* 2005 **1076** (1-2) 202  
 Capillary liquid chromatography of chlorophenoxy acid herbicides and their esters in apple juice samples after preconcentration on a cation exchanger based on polydivinylbenzene-*N*-vinylpyrrolidone  
 Saba A, Mazzini F, Raffaelli A, Mattei A, Salvadori P\*// \*CNR, Ist Chim Composti Organo Met, Sez Pisa, Via Risorgimento 35, IT-56126 Pisa, Italy  
*J Agric Food Chem* 2005 **53** (12) 4867  
 Identification of 9(*E*),11(*E*)-18:2 fatty acid methyl ester at trace level in thermal stressed olive oils by GC coupled to acetonitrile CI-MS and CI-MS/MS, a possible marker for adulteration by addition of deodorized olive oil  
 Senyuva HZ, Gokmen V// Ankara Test & Anal Lab, Sci & Tech Res Council Turkey, TR-06330 Ankara, Turkey  
*Food Addit Contam* 2005 **22** (3) 204  
 Survey of acrylamide in Turkish foods by an in-house validated LC-MS method  
 Senyuva HZS, Gokmen V// Address as above  
*Food Addit Contam* 2005 **22** (3) 214  
 Study of acrylamide in coffee using an improved liquid chromatography mass spectrometry method: Investigation of colour changes and acrylamide formation in coffee during roasting  
 Startin JR, Hird SJ, Sykes MD// Cent Sci Lab, Sand Hutton YO41 1LZ, England  
*Food Addit Contam* 2005 **22** (3) 245  
 Determination of ethylenethiourea (ETU) and propylenethiourea (PTU) in foods by high performance liquid chromatography-atmospheric pressure chemical ionisation-medium-resolution mass spectrometry  
 Zhang L, Liu Y, Xie MX\*, Qiu YM// \*Beijing Normal Univ, Analyt & Testing Ctr, Xijiekowaidajie 19, CN-100875 Beijing, Peoples Rep China  
*J Chromatogr A* 2005 **1074** (1-2) 1  
 Simultaneous determination of thyreostatic residues in animal tissues by matrix solid-phase dispersion and gas chromatography-mass spectrometry

## 9. Toxins/Allergens

Berente B, Moricz A, H-Otta K\*, Zaray G, Leko L, Racz L// \*Lorand Eotvos Univ, Dept Chem Technol & Environm Chem, POB 32, HU-1518 Budapest, Hungary

*Microchem J* 2005 **79** (1-2) 103

Determination of ochratoxin A in Hungarian wines

Biancardi A, Gasparini M, Dall'Asta C, Marchelli R// \*Ist Zooprofilattico Sperimentale Lombardia & Emilia Romagna, Brescia, Italy

*Food Addit Contam* 2005 **22** (3) 251

A rapid multiresidual determination of type A and type B trichothecenes in wheat flour by HPLC-ESI-MS

Cadieux B, Blanchfield B, Smith JP, Austin JW// \*Hlth Canada, Hlth Prod & Food Branch, Food Directorate, Bureau Microbial Hazards, Microbiol Res Div, Ottawa, Ontario, Canada K1A 0L2

*Int J Food Microbiol* 2005 **100** (1) 9

A rapid chemiluminescent slot blot immunoassay for the detection and quantification of *Clostridium botulinum* neurotoxin type E, in cultures

Cavaliere C, Foglia P, Pastorini E, Samperi R, Lagana A// \*Univ La Sapienza, Dipt Chim, Box 34-Roma 62, Piazzale Aldo Moro 5, IT-00185 Roma, Italy

*Rapid Commun Mass Spectrom* 2005 **19** (14) 2085

Development of a multiresidue method for analysis of major *Fusarium* mycotoxins in corn meal using liquid chromatography/tandem mass spectrometry

Ciminiello P, Dell'Aversano C, Fattorusso E\*, Forino M, Magno GS, Tartaglione L, Quilliam MA, Tubaro A, Poletti R// \*Univ Napoli Federico II, Dipt Chim Sostanze Nat, via D Montesano 49, IT-80131 Napoli, Italy

*Rapid Commun Mass Spectrom* 2005 **19** (14) 2030

Hydrophilic interaction liquid chromatography/mass spectrometry for determination of domoic acid in Adriatic shellfish

Dasko L, Belajova E, Rauova D, Kovac M// Vyskumny Ustav Potravinarsky, Priemyselna 4, SK-82475 Bratislava, Slovakia

*Czech J Food Sci* 2005 **23** (2) 69

Determination of ochratoxin A in beer

Germini A, Scaravelli E, Lesignoli F, Sforza S, Corradini R, Marchelli R// Univ Parma, Dipt Chim Organ & Ind, Parco Area Sci 17/A, IT-43100 Parma, Italy

*Eur Food Res Technol* 2005 **220** (5-6) 619

Polymerase chain reaction coupled with peptide nucleic acid high-performance liquid chromatography for the sensitive detection of traces of potentially allergenic hazelnut in foodstuffs

Krska R, Welzig E, Berthiller F, Molinelli A, Mizaikoff B// Inst Agrobiotechnol - IFA Tulln, Christian Doppler Lab Mycotoxin Res, Konrad Lorenz Str 20, AT-3430 Tulln, Austria

*Food Addit Contam* 2005 **22** (4) 345

Advances in the analysis of mycotoxins and its quality assurance

McCoy LF, Scholl PF, Schleicher RL\*, Groopman JD, Powers CD, Pfeiffer CM// \*Centers Dis Control & Prevent, 4770 Buford Highway NE, Mail Stop F-18, Atlanta, Ga 30341, USA

*Rapid Commun Mass Spectrom* 2005 **19** (16) 2203

Analysis of aflatoxin B<sub>1</sub>-lysine adduct in serum using isotope-dilution liquid chromatography/tandem mass spectrometry

Paepens C, De Saeger S, Van Poucke C, Dumoulin F, Van Calenbergh S, Van Peteghem C// Ghent Univ, Fac Pharmaceut Sci, Lab Food Anal, Harelbekestr 72, BE-9000 Ghent, Belgium

*Rapid Commun Mass Spectrom* 2005 **19** (14) 2021

Development of a liquid chromatography/tandem mass spectrometry method for the quantification of fumonisin B<sub>1</sub>, B<sub>2</sub>, and B<sub>3</sub> in cornflakes

Visconti A, Lattanzio VMT, Pascale M, Haidukowski M// CNR, Inst Sci Food Prod, Via G Amendola 122/O, IT-70126 Bari, Italy

*J Chromatogr A* 2005 **1075** (1-2) 151

Analysis of T-2 and HT-2 toxins in cereal grains by immunoaffinity clean-up and liquid chromatography with fluorescence detection

## 10. Additives

Eichhorn P, Aga DS// \*State Univ New York Buffalo, Chem Dept, 611 Natural Sci Complex, Buffalo, NY 14260, USA

*Rapid Commun Mass Spectrom* 2005 **19** (15) 2179

Characterization of moenomycin antibiotics from medicated chicken feed by ion-trap mass spectrometry with electrospray ionization

## 11. Flavours & aromas

Berna AZ, Buysens S, Di Natale C, Grun IU, Lammertyn J, Nicolai BM// Katholieke Univ Leuven, Lab Postharvest Technol, Flanders Ctr, Willem de Croylaan 42, BE-3001 Louvain, Belgium

*Postharvest Biol Technol* 2005 **36** (2) 143

Relating sensory analysis with electronic nose and headspace fingerprint MS for tomato aroma profiling

Caccamese S, Caruso C, Parrinello N, Savarino A// Univ Catania, Dipt Sci Chim, Viale A Doria 6, IT-95125 Catania, Italy

*J Chromatogr A* 2005 **1076** (1-2) 155

High-performance liquid chromatographic separation and chiroptical properties of the enantiomers of naringenin and other flavanones

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

*Anal Lett* 2005 **38** (7) 1193

Determination of volatile compounds in antioxidant rosemary extracts by solid-phase microextraction and gas chromatography

Davis BM, Senthilmohan ST, Wilson PF, McEwan MJ// \*Univ Canterbury, Dept Chem, Christchurch, New Zealand

*Rapid Commun Mass Spectrom* 2005 **19** (16) 2272

Major volatile compounds in head-space above olive oil analysed by selected ion flow tube mass spectrometry

Dhifi W, Angerosa F, Serraiocco A, Oumar I, Hamrouni I, Marzouk B// INRST-BP 95, Unite Plantes Aromatic & Med, TN-2050 Hammam-Lif, Tunisia

*Food Chem* 2005 **93** (4) 697

Virgin olive oil aroma: Characterization of some Tunisian cultivars

Elmore JS, Nisyrios I, Mottram DS// Univ Reading, Sch Food Biosci, Whiteknights, Reading RG6 6AP, England

*Flavour Fragr J* 2005 **20** (5) 501

Analysis of the headspace aroma compounds of walnuts (*Juglans regia* L.)

Gioacchini AM, Menotta M, Bertini L, Rossi I, Zeppa S, Zambonelli A, Piccoli G, Stocchi V// Univ Urbino, Inst Ricerca Attivita Motoria, Via Sasso 75/G, IT-61029 Urbino, Italy

*Rapid Commun Mass Spectrom* 2005 **19** (17) 2365

Solid-phase microextraction gas chromatography/mass spectrometry: A new method for species identification of truffles

Kim HJ, Baek HH// \*Dankook Univ, Dept Food Engr, Cheonan 330 714, South Korea

*Food Sci Biotechnol* 2005 **14** (2) 238

Characterization of the aroma of salt-fermented anchovy sauce using solid phase microextraction-gas chromatography-olfactometry based on sample dilution analysis

Oliveros CC, Boggia R, Casale M, Armanino C, Forina M// Univ Genoa, Dipt Chim & Tecnol Farmaceut Alimentari, Via Brigata Salerno Ponte, IT-16147 Genoa, Italy

*J Chromatogr A* 2005 **1076** (1-2) 7

Optimisation of a new headspace mass spectrometry instrument discrimination of different geographical origin olive oils

Siano F, Catalfamo M, Cautela D, Servillo L, Castaldo D// \*Stz Sperimentale Ind Essenze & Derivati Agrumi, Via Gen Tommasini 2, IT-89127 Reggio di Calabria, Italy

*Food Addit Contam* 2005 **22** (3) 197

Analysis of pulegone and its enantiomeric distribution in mint-flavoured food products

## 13. Animal products

Bahar B, Monahan FJ, Moloney AP, O'Kiely P, Scrimgeour CM, Schmidt O// \*Univ Coll Dublin, Dept Environm Resource Management, Belfield, Dublin 4, Rep Ireland

*Rapid Commun Mass Spectrom* 2005 **19** (14) 1937

Alteration of the carbon and nitrogen stable isotope composition of beef by substitution of grass silage with maize silage

Chisholm J, Conyers C, Booth C, Lawley W, Hird H// \*Cent Sci Lab, York YO14 1LZ, England

*Meat Sci* 2005 **70** (4) 727

The detection of horse and donkey using real-time PCR

Collewet G, Bogner P, Allen P, Busk H, Dobrowolski A, Olsen E, Davenel A// Cemagref, Food Proc Engr Res Unit, 17 Ave Cucille, CS 64427, FR-35044 Rennes, France

*Meat Sci* 2005 **70** (4) 563

Determination of the lean meat percentage of pig carcasses using magnetic resonance imaging

Cozzolino D, Chree A, Scaife JR, Murray I// Australian Wine Res Inst, Waite Campus, POB 197, Glen Osmond, SA 5064, Australia

*J Agric Food Chem* 2005 **53** (11) 4459

Usefulness of near-infrared reflectance (NIR) spectroscopy and chemometrics to discriminate fishmeal batches made with different fish species

Hird HJ, Hold GL, Chisholm J, Reece P, Russell VJ, Brown J, Goodier R, MacArthur R// DEFRA, Cent Sci Lab, York YO41 1LZ, England

*Eur Food Res Technol* 2005 **220** (5-6) 633

- Development of a method for the quantification of haddock (*Melanogrammus aeglefinus*) in commercial products using real-time PCR
- Larsen T, Nielsen NI// Danish Inst Agr Sci, Dept Anim Hlth Welf & Nutr, POB 50, DK-8830 Tjele, Denmark  
*J Dairy Sci* 2005 **88** (6) 2004
- Fluorometric determination of  $\beta$ -hydroxybutyrate in milk and blood plasma
- Lopez I, Pardo MA// \*AZTI, Fisheries & Food Technol Inst, Dept Food Technol, Txatxarramendi Ugarteaga z/g, ES-48395 Sukarrieta, Bizkaia, Spain  
*J Agric Food Chem* 2005 **53** (11) 4554
- Application of relative quantification Taqman real-time polymerase chain reaction technology for the identification and quantification of *Thunnus alalunga* and *Thunnus albacares*
- Prince DI, Thulasi G, Am S// NRC Meat & Meat Prod, TTC Hostel, CRIDA Campus, IN-500059 Hyderabad, India  
*J Food Sci Technol-Mysore* 2005 **42** (1) 101
- Determination of efficiency of antiserum raised in rabbits, and goats for serological identification of beef
- Rehbein H// Fed Res Ctr Food & Nutr, Dept Fish Qual, Palmaille 9, DE-22767 Hamburg, Germany  
*Eur Food Res Technol* 2005 **220** (5-6) 625
- Identification of the fish species of raw or cold-smoked salmon and salmon caviar by single-strand conformation polymorphism (SSCP) analysis
- Sezaki K, Itoi S, Watabe S// \*Univ Tokyo, Grad Sch Agr & Life Sci, Lab Aquat Mol Biol & Biotechnol, Tokyo 113 8657, Japan  
*Fisheries Sci* 2005 **71** (2) 414
- A simple method to distinguish two commercially valuable eel species in Japan *Anguilla japonica* and *A. anguilla* using polymerase chain reaction strategy with a species-specific primer
- #### 14. Plant & microbial products
- Aman R, Carle R, Conrad J, Beifuss U, Schieber A// \*Univ Hohenheim, Inst Food Technol, Sect Plant Foodstuff Technol, August von Hartmann Str 3, DE-70599 Stuttgart, Germany  
*J Chromatogr A* 2005 **1074** (1-2) 99
- Isolation of carotenoids from plant materials and dietary supplements by high-speed counter-current chromatography
- Baranska M, Schulz H// \*Fed Ctr Breeding Res Cultivated Plants, Inst Plant Anal, Neuer Weg 22-23, DE-06484 Quedlinburg, Germany  
*Analyst* 2005 **130** (6) 855
- Spatial tissue distribution of polyacetylenes in carrot root
- Breithaupt DE, Schlatterer J// Univ Hohenheim, Inst Lebensmittelchem, Garbenstr 28, DE-70599 Stuttgart, Germany  
*Eur Food Res Technol* 2005 **220** (5-6) 648
- Lutein and zeaxanthin in new dietary supplements - Analysis and quantification
- Christophoridou S, Dais P\*, Tseng LH, Spraul M// \*Univ Crete, Dept Chem, NMR Lab, GR-71409 Iraklion, Greece  
*J Agric Food Chem* 2005 **53** (12) 4667
- Separation and identification of phenolic compounds in olive oil by coupling high-performance liquid chromatography with postcolumn solid-phase extraction to nuclear magnetic resonance spectroscopy (LC-SPE-NMR)
- Dawidowicz AL, Wianowska D// Marie Curie Sklodowska Univ, Fac Chem, Pl Marie Curie Sklodowskiej 3, PL-20031 Lublin, Poland  
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