



ELSEVIER

## Bibliography of analytical, nutritional and clinical methods

(6 weeks journals. Search completed at 5th. Nov. 2003)

### 1. Books, reviews & symposia

Wroblewska B, Karamac M// Polish Acad Sci, Inst Anim Reprod & Food Res, Div Food Sci, Tuwima 10, PL-10747 Olsztyn, Poland  
*Acta Alimenti* 2003 **32** (2) 193  
Analytical methods for estimating protein hydrolysates quality - A review

### 2. General

Frenzel T, Miller A, Engel KH\*// \*Tech Univ Munich, Lehrstuhl Allgemeine Lebensmitteltechnol, Am Forum 2, DE-85350 Freising Weihenstephan, Germany  
*Eur Food Res Technol* 2003 **216** (4) 335  
A methodology for automated comparative analysis of metabolite profiling data

### 3. Amino acids, proteins & enzymes

Castro MS, Gerhardt IR, Orru S, Pucci P, Bloch C// Univ Brasilia, Dept Ciencias Fisiol, IB, Lab Toxinol, BR-70910-900 Brasilia, DF, Brazil  
*J Chromatogr B* 2003 **794** (1) 109  
Purification and characterization of a small (7.3 kDa) putative lipid transfer protein from maize seeds

Divritsioti MH, Karalemas ID, Georgiou CA, Papastathopoulos DS\*// \*Univ Athens, Dept Chem, Analyt Chem Lab, GR-15771 Athens, Greece

*Anal Lett* 2003 **36** (9) 1939

Flow injection analysis system for L-lysine estimation in foodstuffs using a biosensor based on lysine oxidase immobilization on a gold-poly(m-phenylenediamine) electrode

Gee SC, Bate IM, Thomas TM, Rylatt DB\*// \*Gradipore Ltd, POB 6126, 22 Rodborough Rd, Frenchs Forest, NSW 2086, Australia

*Protein Expr Purif* 2003 **30** (2) 151

The purification of IgY from chicken egg yolk by preparative electrophoresis

Hernandez-Orte P, Ibarz MJ, Cacho J, Ferreira V// Univ Zaragoza, Fac Sci, Dept Analit Chem, Pza San Francisco s/n, ES-50009 Zaragoza, Spain  
*Chromatographia* 2003 **58** (1-2) 29

Amino acid determination in grape juices and wines by HPLC using a modification of the 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate (AQC) method

Kamizake NKK, Goncalves MM, Zaia CTBV, Zaia DAM\*// \*Univ Estadual Londrina, CCE, Dept Quim, BR-86051-970 Londrina, PR, Brazil

*J Food Compos Anal* 2003 **16** (4) 507

Determination of total proteins in cow milk powder samples: A comparative study between the Kjeldahl method and spectrophotometric methods

Miller DR, Keeton JT, Prochaska JF// Texas A&M Univ, Dept Anim Sci, College Station, Tx 77843, USA

*J Food Sci* 2003 **68** (6) 2072

Brine ingredients alter the immunoassay of lactate dehydrogenase isozyme 5 in beef

Miller DR, Keeton JT, Acuff GR, Prochaska JF// Address as above

*J Food Sci* 2003 **68** (6) 2076

Verification of cooking endpoint temperatures in beef by immunoassay of lactate dehydrogenase isozyme 5

Miralles B, Leaver J, Ramos M, Amigo L\*// \*Inst Fermentac Ind - CSIC, C/

Juan Cierva 3, ES-28006 Madrid, Spain

*J Chromatogr A* 2003 **1007** (1-2) 47

Mass mapping analysis as a tool for the identification of genetic variants of bovine  $\beta$ -casein

Osman AM// Queensland Dept Primary Ind, Agcy Food & Fibre Sci, Farming Syst Inst, Leslie Res Ctr, POB 2282, Toowoomba, Qld 4350, Australia

*J Inst Brew* 2003 **109** (2) 135

Barley and malt proteins and proteinases: I. Highly degradable barley protein fraction (HDBPF), a suitable substrate for malt endoprotease assay

Osman AM// Address as above

*J Inst Brew* 2003 **109** (2) 142

Barley and malt proteins and proteinases: II. The purification and characterisation of five malt endoproteases using the highly degradable barley protein fraction (HDBPF) substrate

Osman AM// Address as above

*J Inst Brew* 2003 **109** (2) 150

Barley and malt proteins and proteinases: III. A simple method for estimating the combined actions of malt proteinases and the extent of protein degradation during malting

Sentandreu MA, Chantreau O, Aubry L, Levieux D, Ouali A// INRA Theix, SRV, Muscle Biochem Grp, FR-63122 St Genes Champanelle, France

*Sci Aliment* 2003 **23** (1) 83

Quantification of muscle proteolytic enzymes by immunochemical techniques

Sorensen S, Justesen SJ, Johnsen AH// Hvidovre Univ Hosp, Dept Clin Biochem, Kettegaard Alle 30, DK-2650 Hvidovre, Denmark

*Protein Expr Purif* 2003 **30** (2) 238

Purification and characterization of osteopontin from human milk

### 4. Carbohydrates

Duarte IF, Godejohann M, Braumann U, Spraul M, Gil AM\*// \*Univ Aveiro, Dept Chem, Campus Santiago, PT-3810-193 Aveiro, Portugal

*J Agric Food Chem* 2003 **51** (17) 4847

Application of NMR spectroscopy and LC-NMR/MS to the identification of carbohydrates in beer

Gomez L, Rubio E, Lescouret F// INRA, Unite Rech Plantes & Syst Culture Hort, Avignon, France

*J Sci Food Agric* 2003 **83** (11) 1114

Critical study of a procedure for the assay of starch in ligneous plants

Irudayaraj J, Xu F, Tewari J// Penn State Univ, Dept Agr & Biol Engn, State Coll, Pa 16802, USA

*J Food Sci* 2003 **68** (6) 2040

Rapid determination of invert cane sugar adulteration in honey using FTIR spectroscopy and multivariate analysis

Rimsten L, Stenberg T, Andersson R, Andersson A, Aman P// Swedish Univ Agr Sci, Dept Food Sci, POB 7051, SE-75007 Uppsala, Sweden

*Cereal Chem* 2003 **80** (4) 485

Determination of  $\beta$ -glucan molecular weight using SEC with calcofluor detection in cereal extracts

Saranwong S, Sornsrivichai J, Kawano S// Natl Food Res Inst, 2-1-12 Kannondai, Tsukuba, Ibaraki 305 8642, Japan

*J Near Infrared Spectrosc* 2003 **11** (3) 175

Performance of a portable near infrared instrument for Brix value determination of intact mango fruit

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.

Wesley II, Osborne BG, Anderssen RS, Delwiche SR, Graybosch RA// BRI Australia Ltd, POB 7, North Ryde, NSW 1670, Australia  
*Cereal Chem* 2003 **80** (4) 462  
 Chemometric localization approach to NIR measurement of apparent amylose content of ground wheat

## 5. Lipids

- Alves MR, Casal S, Oliveira MBPP\*, Ferreira MA// \*Univ Porto Rua, Fac Farm, Rede Quim & Tecnol, Serv Bromatol, Anibal Cunha 164, PT-4050-047 Oporto, Portugal  
*J Am Oil Chem Soc* 2003 **80** (6) 511  
 Contribution of FA profile obtained by high-resolution GC/chemometric techniques to the authenticity of green and roasted coffee varieties
- Bareth A, Strohmar W, Kitzelmann E// \*Staat Milchwirtsch Lehr & Forschungsanstalt, Farny Inst, Maiherhof 7, DE-88239 Wangen im Allgau, Germany  
*Eur Food Res Technol* 2003 **216** (4) 365  
 Gas chromatographic determination of mono- and diglycerides in milk and milk products
- Beermann C, Green A, Mobius M, Schmitt JJ, Boehm G// Numico Res Germany, DE-61381 Friedrichsdorf, Germany  
*J Am Oil Chem Soc* 2003 **80** (8) 747  
 Lipid class separation by HPLC combined with GC FA analysis: Comparison of seed lipid compositions from different *Brassica napus* L. varieties
- De las Heras A, Schoch A, Gibis M\*, Fischer A// \*Univ Hohenheim, Inst Food Technol, Dept Meat Technol, DE-70593 Stuttgart, Germany  
*Eur Food Res Technol* 2003 **217** (2) 180  
 Comparison of methods for determining malondialdehyde in dry sausage by HPLC and the classic TBA test
- Fiebig HJ, Luttke J// BAGKF, Inst Lipid Res, Piusallee 68-76, DE-48147 Munster, Germany  
*Eur J Lipid Sci Technol* 2003 **105** (7) 377  
 Solid fat content in fats and oils: Determination by pulsed nuclear magnetic resonance spectroscopy [C-IV 3g(2003)]
- Gamazo-Vazquez J, Garcia-Falcon MS, Simal-Gandara J// \*Univ Vigo, Fac Food Sci & Technol, Analyt & Food Chem Dept, Nutr & Bromatol Grp, Ourense Campus, ES-32004 Ourense, Spain  
*Food Control* 2003 **14** (7) 463  
 Control of contamination of olive oil by sunflower seed oil in bottling plants by GC-MS of fatty acid methyl esters
- Johnsson L, Dutta PC// Swedish Univ Agr Sci, Dept Food Sci, SE-75007 Uppsala, Sweden  
*J Am Oil Chem Soc* 2003 **80** (8) 767  
 Characterization of side-chain oxidation products of sitosterol and campesterol by chromatographic and spectroscopic methods
- Johnsson L, Andersson RE, Dutta PC// Address as above  
*J Am Oil Chem Soc* 2003 **80** (8) 777  
 Side-chain autoxidation of stigmasterol and analysis of a mixture of phytosterol oxidation products by chromatographic and spectroscopic methods
- Lagarda MJ, Manez JG, Manglano P, Farre R// \*Univ Valencia, Fac Pharm, Avda Vicent Andres Estelles s/n, ES-46100 Burjassot, Spain  
*Eur J Lipid Sci Technol* 2003 **105** (7) 339  
 Lipid hydroperoxides determination in milk-based infant formulae by gas chromatography
- Marquez AJ// Direccion Gen Invest & Formac Agr & Pesquera, CIFA Venta del Lano, Estacion Olivicultura & Elaiotecnol, PO Box, ES-23620 Mangibar, Jaen, Spain  
*J Near Infrared Spectrosc* 2003 **11** (3) 219  
 Monitoring carotenoid and chlorophyll pigments in virgin olive oil by visible-near infrared transmittance spectroscopy. On-line application
- Russin TA, Van de Voort FR\*, Sedman J// \*McGill Univ, Dept Food Sci & Agr Chem, McGill IR Grp, MacDonald Campus, 21 111 Lakeshore Rd, Ste Anne de Bellevue, Quebec, Canada H9X 3V9  
*J Am Oil Chem Soc* 2003 **80** (7) 635  
 Novel method for rapid monitoring of lipid oxidation by FTIR spectroscopy using disposable IR cards
- Silva-Vila A, Castellote-Bargallo AI, Rodriguez-Palmero-Seuma M, Lopez-Sabater MC// \*Univ Barcelona, Fac Farm, Dept Nutr & Bromatol, Ctr Referencia & Tecnol Alimenti, Avda Joan XXII s/n, ES-08028 Barcelona, Spain  
*J Chromatogr A* 2003 **1008** (1) 73  
 High-performance liquid chromatography with evaporative light-scattering detection for the determination of phospholipid classes in human milk, infant formulas and phospholipid sources of long-chain polyunsaturated fatty acids
- Vittadini E, Lee JH, Frega NG, Min DB, Vodovotz Y// \*Ohio State Univ, Food Sci & Technol Dept, Columbus, Oh 43210, USA  
*J Am Oil Chem Soc* 2003 **80** (6) 533  
 DSC determination of thermally oxidized olive oil

## 6. Vitamins & co-factors

- Becker EM, Christensen J\*, Frederiksen CS, Haugaard VK// \*Royal Vet & Agr Univ, Dept Dairy & Food Sci, Rolighedsvej 30, DK-1958 Frederiksberg C, Denmark  
*J Dairy Sci* 2003 **86** (8) 2508  
 Front-face fluorescence spectroscopy and chemometrics in analysis of yogurt: Rapid analysis of riboflavin
- Chu BS, Baharin BS\*, Quek SY, Man YBC// \*Univ Pertanian Malaysia, Fac Food Sci & Biotechnol, Dept Food Technol, MY-43400 Serdang, Selangor, DE, Malaysia  
*J Food Lipids* 2003 **10** (2) 141  
 Separation of tocopherols and tocotrienols from palm fatty acid distillate using hydrolysis-neutralization-adsorption chromatography method
- Iwase H// Ajinomoto Co Inc, Cent Res Labs, 1-1 Suzuki cho, Kawasaki ku, Kawasaki, Kanagawa 210 868, Japan  
*J Chromatogr A* 2003 **1008** (1) 81  
 Sample preparation for routine high-performance liquid chromatographic determination of retinol palmitate in emulsified nutritional supplements by solid-phase extraction using monosodium L-glutamate as dissolving agent
- Perretti G, Marconi O, Montanari L, Fantozi P// \*Univ Perugia, Dept Food Sci, Via S Costanzo, IT-06126 Perugia, Italy  
*J Am Oil Chem Soc* 2003 **80** (7) 629  
 Fat-soluble vitamin extraction by analytical supercritical carbon dioxide
- Richelle M, Tavazzi I, Fay LB// Nestle Res Ctr, Dept Nutr, POB 44, CH-1000 Lausanne 26, Switzerland  
*J Chromatogr B* 2003 **794** (1) 1  
 Simultaneous determination of deuterated and non-deuterated  $\alpha$ -tocopherol in human plasma by high-performance liquid chromatography
- Vinas P, Lopez-Erroz C, Balsalobre N, Hernandez-Cordoba M// \*Univ Murcia, Fac Chem, Dept Anal Chem, ES-30071 Murcia, Spain  
*Chromatographia* 2003 **58** (1-2) 5  
 Speciation of cobalamins in biological samples using liquid chromatography with diode-array detection
- Vinas P, Lopez-Erroz C, Balsalobre N, Hernandez-Cordoba M// \*Univ Murcia, Fac Chem, Dept Anal Chem, ES-30071 Murcia, Spain  
*J Chromatogr A* 2003 **1007** (1-2) 77  
 Reversed-phase liquid chromatography on an amide stationary phase for the determination of the B group vitamins in baby foods
- 7. Trace elements & minerals**
- Krystyna S, Lozak A, Ostapczuk P\*, Fijalek Z// \*Res Ctr Julich, Inst Appl Phys Chem, Dept Safety & Radiat Protect, DE-52425 Julich, Germany  
*J Pharmaceut Biomed Anal* 2003 **32** (3) 425  
 Determination of chromium and selected elements in multiminerals and multi-vitamin preparations and in pharmaceutical raw material
- Lin MS, Cavinato AG, Huang YQ, Rasco BA// \*Washington State Univ, Dept Food Sci & Human Nutr, Box 646376, Pullman, Wa 99164, USA  
*Food Res Int* 2003 **36** (8) 761  
 Predicting sodium chloride content in commercial king (*Oncorhynchus tshawytscha*) and chum (*O. keta*) hot smoked salmon fillet portions by short-wavelength near-infrared (SW-NIR) spectroscopy
- Park KS, Kim ST, Kim YM, Kim Y, Lee W// Kyunghee Univ, Res Inst Basic Sci, Seoul 130 701, South Korea  
*Bull Korean Chem Soc* 2003 **24** (3) 285  
 Application of methane mixed plasma for the determination of Ge, As, and Se in serum and urine by ICP/MS
- Richling E, Hohn C, Weckerle B, Heckel F, Schreier P// \*Univ Wurzburg, Lehrstuhl Lebensmittelchem, DE-97074 Wurzburg, Germany  
*Eur Food Res Technol* 2003 **216** (6) 544  
 Authentication analysis of caffeine-containing foods via elemental analysis combustion/pyrolysis isotope ratio mass spectrometry (EA-C/P-IRMS)
- 8. Drug, biocide & processing residues**
- Albero B, Sanchez-Brunete C, Tadeo JL// \*Dept Medio Ambiente-INIA, Carretera de la Coruna km 7, ES-28040 Madrid, Spain  
*J Chromatogr A* 2003 **1007** (1-2) 137  
 Determination of endosulfan isomers and endosulfan sulfate in tomato juice by matrix solid-phase dispersion and gas chromatography
- Delincee H, Khan AA, Cerda H// Fed Res Ctr Nutr, Inst Nutr Physiol, Haid & Neu Str 9, DE-76131 Karlsruhe, Germany  
*Eur Food Res Technol* 2003 **216** (4) 343  
 Some limitations of the comet assay to detect the treatment of seeds with ionising radiation

- Furusawa N// Osaka City Univ, Grad Sch Human Life Sci, Osaka 558 8585, Japan  
*J Chromatogr Sci* 2003 **41** (7) 377  
 A clean and rapid liquid chromatographic technique for sulfamethazine monitoring in pork tissues without using organic solvents
- Inoue K, Murayama S, Takeba K, Yoshimura Y, Nakazawa H// \*Hosei Univ, Fac Pharmaceut Sci, Dept Analyt Chem, Ebara 2-4-41, Shinagawa ku, Tokyo 142 8501, Japan  
*J Food Compos Anal* 2003 **16** (4) 497  
 Contamination of xenoestrogens bisphenol A and F in honey: Safety assessment and analytical method of these compounds in honey
- Mirghani MES, Man YBC// \*Univ Pertanian Malaysia, Fac Food Sci & Biotechnol, Dept Food Technol, MY-43400 Serdang, Selangor, Malaysia  
*J Am Oil Chem Soc* 2003 **80** (7) 619  
 Determination of hexane residues in vegetable oils with FTIR spectroscopy
- Moraes SL, Rezende MOO\*, Nakagawa LE, Luchini LC// \*Univ Sao Paulo, Inst Chem Sao Carlos, POB 780, BR-13560-970 Sao Carlos, SP, Brazil  
*J Environ Sci Health B* 2003 **38** (5) 605  
 Multiresidue screening methods for the determination of pesticides in tomatoes
- Nerin C, Albinana J, Philo MR, Castle L, Raffael B, Simoneau C// Univ Zaragoza, CPS, Ma de Luna 3, ES-50018 Zaragoza, Spain  
*Food Addit Contam* 2003 **20** (7) 668  
 Evaluation of some screening methods for the analysis of contaminants in recycled polyethylene terephthalate flakes
- Oh KN, Lee SY, Lee HJ, Kim KE, Yang JS// \*Korea Atom Energy Res Inst, Detect Lab Irradiated Foods, 150 Duckjindong, Yusong ku, Taejon 305 353, South Korea  
*Food Control* 2003 **14** (7) 489  
 Screening of gamma irradiated spices in Korea by using a microbiological method (DEFT/APC)
- Orejuela E, Silva M// \*Univ Cordoba, Dept Analyt Chem, Campus Rabanales, ES-14004 Cordoba, Spain  
*J Chromatogr A* 2003 **1007** (1-2) 197  
 Monitoring some phenoxy-type *N*-methylcarbamate pesticide residues in fruit juices using high-performance liquid chromatography with peroxyoxalate-chemiluminescence detection
- Ozhan G, Topuz S, Alpertunga B// \*Istanbul Univ, Fac Pharm, Dept Pharmaceut Toxicol, TR-34116 Istanbul, Turkey  
*J Food Prot* 2003 **66** (8) 1510  
 A simple method for the determination of carbaryl and 1-naphthol in fruit juices by high-performance liquid chromatography-diode-array detection
- Pagliuca G, Gazzotti T, Zironi E, Serrazanetti GP, Mollica D, Rosmini R// Univ Bologna, Dipt Sanita Pubbli Vet & Patol Anim, Via Tolara Sopra 50, IT-40064 Ozzano Dell Emilia, Italy  
*J Agric Food Chem* 2003 **51** (17) 5111  
 Determination of high molecular mass polycyclic aromatic hydrocarbons in a typical Italian smoked cheese by HPLC-FL
- Pena F, Cardenas S, Gallego M, Valcarcel M// \*Univ Cordoba, Dept Analyt Chem, Edificio C-3 Anexo, Campus Rabanales, ES-14071 Cordoba, Spain  
*J Am Oil Chem Soc* 2003 **80** (6) 613  
 Direct sampling of orujo oil for determining residual hexane by using a ChemSensor
- Perez HL, Osterman-Golkar S// \*Univ Stockholm, Dept Mol Biol & Funct Genom, SE-10691 Stockholm, Sweden  
*Analyst* 2003 **128** (8) 1033  
 A sensitive gas chromatographic tandem mass spectrometric method for detection of alkylating agents in water: Application to acrylamide in drinking water, coffee and snuff
- Petersen H, Schaefer A, Buckow CA, Simat TJ, Steinhart H// Univ Hamburg, Inst Biochem & Food Chem, Grindelallee 117, DE-20146 Hamburg, Germany  
*Eur Food Res Technol* 2003 **216** (4) 355  
 Determination of bisphenol A diglycidyl ether (BADGE) and its derivatives in food: Identification and quantification by internal standard
- Quinto-Fernandez EJ, Perez-Lamela C, Simal-Gandara J// \*Autonomous Univ Barcelona, Fac Vet, Anim & Food Sci Dept, Nutr & Bromatol Grp, Bellaterra Campus, ES-08193 Barcelona, Spain  
*Food Addit Contam* 2003 **20** (7) 678  
 Analytical methods for food-contact materials additives in olive oil simulant at sub-mg kg<sup>-1</sup> level
- Sangiorgi E, Curatolo M, Assini W, Bozzoni E// Ist Zooprofilattico Sperimentale, Lombardia Emilia Romagna, Dept Chem, Via Bianchi 9, IT-25124 Brescia, Italy  
*Anal Chim Acta* 2003 **483** (1-2) 259  
 Application of neutral loss mode in liquid chromatography-mass spectrometry for the determination of corticosteroids in bovine urine

## 9. Toxins/Allergens

- Duranti M, Barbiroli A, Scarafoti A, Tedeschi G, Morazzoni P// Univ Milan, Dipt Sci Mol Agroalimentari, Via Celoria 2, IT-20133 Milan, Italy  
*Protein Expr Purif* 2003 **30** (2) 167  
 One-step purification of Kunitz soybean trypsin inhibitor
- Gunsen U, Buyukyorum I// Food Control & Cent Res Inst, TR-16190 Bursa, Turkey  
*Indian Vet J* 2003 **80** (6) 502  
 Bacteriological qualities and aflatoxin M<sub>1</sub> levels of Turkish white cheese
- Mirghani MES, Man YBC// \*Univ Pertanian Malaysia, Fac Food Sci & Biotechnol, Dept Food Technol, MY-43400 Serdang, Selangor, Malaysia  
*J Am Oil Chem Soc* 2003 **80** (7) 625  
 A new method for determining gossypol in cottonseed oil by FTIR spectroscopy
- Miyamoto T, Kamikado H, Kobayashi H, Honjoh KI, Iio M// Kyushu Univ, Fac Agr, Dept Biosci & Biotechnol, 6-10-1 Hakozaki, Higashi ku, Fukuoka 812 8581, Japan  
*J Food Prot* 2003 **66** (7) 1222  
 Immunomagnetic flow cytometric detection of staphylococcal enterotoxin B in raw and dry milk
- Rizzi C, Galeoto L, Zoccatelli G, Vincenzi S, Chignola R, Peruffo ADB// Univ Verona, Dipt Sci & Tecnol, Strada Grazie 15-CV1, IT-37134 Verona, Italy  
*Food Res Int* 2003 **36** (8) 815  
 Active soybean lectin in foods: Quantitative determination by ELISA using immobilised asialofetuin

## 10. Additives

- Altinoz S, Toptan S// Hacettepe Univ, Fac Pharm, Dept Analyt Chem, TR-06100 Ankara, Turkey  
*J Food Compos Anal* 2003 **16** (4) 517  
 Simultaneous determination of Indigofera and Ponceau-4R in food samples by using Vierordt's method, ratio spectra first order derivative and derivative UV spectrophotometry

## 11. Flavours & aromas

- Alasalvar C, Shahidi F, Cadwallader KR// Lincoln Univ, Fac Hlth & Life Sci, Food Res Ctr, Brayford Pool, Lincoln LN6 7TS, England  
*J Agric Food Chem* 2003 **51** (17) 5067  
 Comparison of natural and roasted Turkish tombul hazelnut (*Corylus avellana* L) volatiles and flavor by DHA/GC/MS and descriptive sensory analysis
- Andrea V, Nadia N, Teresa RM, Andrea A// \*Univ Bologna, Dipt Sci Alimenti, Via Ravennate 1020, IT-47023 Cesena, FC, Italy  
*J Agric Food Chem* 2003 **51** (17) 4978  
 Analysis of some Italian lemon liquors (Limoncello)
- Aro T, Tahvonen R, Koskinen L, Kallio H// Univ Turku, Dept Biochem & Food Chem, FI-20014 Turku, Finland  
*Eur Food Res Technol* 2003 **216** (6) 483  
 Volatile compounds of Baltic herring analysed by dynamic headspace sampling-gas chromatography-mass spectrometry
- Assadi-Porter FM, Abildgaard F, Blad H, Markley JL// Univ Wisconsin, Dept Biochemistry, National Magnetic Resonance Facility, Madison, WI 53706, USA  
*J Biol Chem* 2003 **278** (33) 31331  
 Correlation of the sweetness of variants of the protein brazzein with patterns of hydrogen bonds detected by NMR spectroscopy
- Boue SM, Shih BY, Carter-Wientjes CH, Cleveland TE// USDA/ARS, Stn Reg Res Ctr, POB 19687, New Orleans, La 70179, USA  
*J Agric Food Chem* 2003 **51** (17) 4873  
 Identification of volatile compounds in soybean at various developmental stages using solid phase microextraction
- Catchpole OJ, Grey JB, Perry NB, Burgess EJ, Redmond WA, Porter NG// Ind Res Ltd, POB 31-310, Lower Hutt, New Zealand  
*J Agric Food Chem* 2003 **51** (17) 4853  
 Extraction of chili, black pepper, and ginger with near-critical CO<sub>2</sub>, propane, and dimethyl ether: Analysis of the extracts by quantitative nuclear magnetic resonance
- Del Castillo ML, Santa-Maria G, Herraiz M\*, Blanch GP// \*Inst Fermentacion Ind-CSIC, Juan Cierva 3, ES-28006 Madrid, Spain  
*J Chromatogr Sci* 2003 **41** (7) 385  
 A comparative study of the ability of different techniques to extract menthol from *Mentha piperita*
- Doleschall F, Recseg K, Kemeny Z, Kovari K// Cereol Grp Ctr Expertise,

- Kvassay J ut 1, HU-1095 Budapest, Hungary  
*Eur J Lipid Sci Technol* 2003 **105** (7) 333  
 Comparison of differently coated SPME fibres applied for monitoring volatile substances in vegetable oils
- Keshri G, Challen M, Elliott T, Magan N// \*Cranfield Univ, Ctr Biotechnol, Appl Mycol Grp, Bedford MK45 4DT, England  
*Mycol Res* 2003 **107** (5) 609  
 Differentiation of *Agaricus* species and other homobasidiomycetes based on volatile production patterns using an electronic nose system
- Mayr D, Margesin R, Klingsbichl E, Hartungen E, Jenewein D, Schinner F, Mark TD// \*Innsbruck Univ, Inst Ion Phys, Technikerstr 25, AT-6020 Innsbruck, Austria  
*Appl Environ Microbiol* 2003 **69** (8) 4697  
 Rapid detection of meat spoilage by measuring volatile organic compounds by using proton transfer reaction mass spectrometry
- Novak I, Zambori-Nemeth E, Horvath H, Seregely Z, Kaffka K// Szent Istvan Univ, Fac Hort Sci, Dept Med & Aromat Plants, Villanyi ut 29-31, HU-1118 Budapest, Hungary  
*Acta Aliment* 2003 **32** (2) 141  
 Study of essential oil components in different *Origanum* species by GC and sensory analysis
- O'Sullivan MG, Byrne DV, Jensen MT, Andersen HJ, Vestergaard J// Royal Vet & Agr Univ, Dept Dairy & Food Sci, DK-1958 Frederiksberg C, Copenhagen, Denmark  
*Meat Sci* 2003 **65** (3) 1125  
 A comparison of warmed-over flavour in pork by sensory analysis, GC/MS and the electronic nose
- Otero L, Horrillo MC\*, Garcia M, Sayago I, Aleixandre M, Fernandez MJ, Ares L, Gutierrez J// \*IFA - CSIC, Lab Sensores, Serrano 144, ES-28006 Madrid, Spain  
*Meat Sci* 2003 **65** (3) 1175  
 Detection of Iberian ham aroma by a semiconductor multisensorial system
- Ugliano M, Genovese A, Moio L// \*Univ Foggia, Dipt Sci Alimenti, Via Napoli 25, IT-71100 Foggia, Italy  
*J Agric Food Chem* 2003 **51** (17) 5073  
 Hydrolysis of wine aroma precursors during malolactic fermentation with four commercial starter cultures of *Oenococcus oeni*
- 12. Organic acids**
- Sanarico D, Motta S, Bertolini L, Antonelli A// \*Univ Modena & Reggio Emilia, Dipt Interdisciplinare Sci Agr, Via Kennedy 17, IT-42100 Reggio Emilia, Italy  
*J Liq Chromatogr Relat Technol* 2003 **26** (13) 2177  
 HPLC determination of organic acids in Traditional Balsamic Vinegar of Reggio Emilia
- 13. Animal products**
- Asensio L, Gonzalez I\*, Rodriguez MA, Hernandez PE, Garcia T, Martin R// \*Univ Complutense, Fac Vet, Dept Nutr & Bromatol III, ES-28040 Madrid, Spain  
*J Food Sci* 2003 **68** (6) 1900  
 Development of a monoclonal antibody for grouper (*Epinephelus marginatus*) and wreck fish (*Polyprion americanus*) authentication using an indirect ELISA
- Bradley DG, Lee HO, Min DB// \*Ohio State Univ, Dept Food Sci & Technol, 2015 Fyffe Rd, Columbus, Oh 43210, USA  
*J Food Sci* 2003 **68** (2) 491  
 Singlet oxygen detection in skim milk by electron spin resonance spectroscopy
- Hird H, Goodier R, Hill M// Cent Sci Lab, York YO41 1LZ, England  
*Meat Sci* 2003 **65** (3) 1117  
 Rapid detection of chicken and turkey in heated meat products using the polymerase chain reaction followed by amplicon visualisation with vistra green
- Meulemans A, Dotreppe O, Leroy B, Istasse L, Clinquart A// Univ Liege Sart Tilman, Fac Vet Med, Dept Food Sci Technol, Bat B43, BE-4000 Liege, Belgium  
*Sci Aliment* 2003 **23** (1) 159  
 Prediction of organoleptic and technological characteristics of pork meat by near infrared spectroscopy
- Piasenzotto L, Gracco L, Conte L// Univ Udine, Dept Food Sci, Via Marangoni 97, IT-33100 Udine, Italy  
*J Sci Food Agric* 2003 **83** (10) 1037  
 Solid phase microextraction (SPME) applied to honey quality control
- Rodriguez MA, Garcia T\*, Gonzalez I, Asensio L, Hernandez PE, Martin R// \*Univ Complutense Madrid, Fac Vet, Dept Nutr Bromatol & Tecnol Alimentos, ES-28040 Madrid, Spain  
*J Sci Food Agric* 2003 **83** (11) 1176  
 Qualitative PCR for the detection of chicken and pork adulteration in goose and mule duck foie gras
- 14. Plant & microbial products**
- Alonso GL, Sanchez-Fernandez MA, Saez JR, Zalacain A, Salinas MR// Univ Castilla La Mancha, Escuela Tecn Super Ingn Agron, Campus Univ, ES-02071 Albacete, Spain  
*Ital J Food Sci* 2003 **15** (2) 249  
 Evaluation of the color of Spanish saffron using tristimulus colorimetry
- Amarowicz R, Kolodziejczyk PP, Pegg RB// \*Univ Saskatchewan, Saskatchewan Food Prod Innovation Program, Dept Appl Microbiol & Food Sci, Saskatoon, Saskatchewan, Canada S7N 5A8  
*J Liq Chromatogr Relat Technol* 2003 **26** (13) 2157  
 Chromatographic separation of phenolic compounds from rapeseed by a Sephadex LH-20 column with ethanol as the mobile phase
- Amarowicz R, Shahidi F\*, Wiczkowski W// \*Mem Univ Newfoundland, Dept Biochem, St Johns, Newfoundland, Canada A1B 3X9  
*J Food Lipids* 2003 **10** (2) 165  
 Separation of individual catechins from green tea using silica gel column chromatography and HPLC
- Castaigenede V, Durliat H, Comtat M// \*Univ Paul Sabatier Toulouse III, Lab Genie Chim, 118 Route Narbonne, FR-31062 Toulouse, France  
*Anal Lett* 2003 **36** (9) 1707  
 Amperometric and potentiometric determination of catechin as model of polyphenols in wines
- Hatano T, Hori M, Hemingway RW, Yoshida T// Okayama Univ, Fac Pharmaceut Sci, Tsushima, Okayama 700 8530, Japan  
*Phytochemistry* 2003 **63** (7) 817  
 Size exclusion chromatographic analysis of polyphenol serum albumin complexes
- Kurilich AC, Britz SJ, Clevidence BA, Novotny JA// \*USDA/ARS, Beltsville Human Nutr Res Ctr, Beltsville, Md 20705, USA  
*J Agric Food Chem* 2003 **51** (17) 4877  
 Isotopic labeling and LC-APCI-MS quantification for investigating absorption of carotenoids and phylloquinone from kale (*Brassica oleracea*)
- Mersad A, Fargues C, Lewandowski R, Decloux M// \*ENSIA, UMR Genial, 1 Ave Olympiades, FR-91744 Massy, France  
*Zuckerindustrie* 2003 **128** (6) 434  
 Sugar colorants: Molar masses and retention by cross-flow filtration assessed by size exclusion chromatography on Superose 12
- Mizooku Y, Yoshikawa M, Tsuneyoshi T, Arakawa R// \*Kansai Univ, Dept Appl Chem, Suita, Osaka 564 8680, Japan  
*Rapid Commun Mass Spectrom* 2003 **17** (16) 1915  
 Analysis of oxidized epigallocatechin gallate by liquid chromatography/mass spectrometry
- Mullen W, Hartley RC, Crozier A// \*Univ Glasgow, Inst Biomed & Life Sci, Div Biochem & Mol Biol, Plant Prod & Human Nutr Grp, Glasgow G12 8QQ, Scotland  
*J Chromatogr A* 2003 **1007** (1-2) 21  
 Detection and identification of <sup>14</sup>C-labelled flavonol metabolites by high-performance liquid chromatography-radioisotopic and tandem mass spectrometry
- Oki T, Osame M, Masuda M, Kobayashi M, Furuta S, Nishiba Y, Kumagai T, Sato T, Suda I// \*Natl Agr Res Ctr, Kyushu Okinawa Reg, Dept Crop & Food Sci, 2421 Suya, Kumamoto 861 1192, Japan  
*Breeding Sci* 2003 **53** (2) 101  
 Simple and rapid spectrophotometric method for selecting purple-fleshed sweet potato cultivars with a high radical-scavenging activity
- Ronning SB, Vaitilingom M, Berdal KG, Holst-Jensen A// \*Natl Vet Inst, Sect Food & Feed Microbiol, Ullevalseveien 68, POB 8156 Dep, NO-0033 Oslo, Norway  
*Eur Food Res Technol* 2003 **216** (4) 347  
 Event specific real-time quantitative PCR for genetically modified Bt11 maize (*Zea mays*)
- Schieber A, Berardini N, Carle R// Univ Hohenheim, Inst Food Technol, Sect Plant Foodstuff Technol, Garbenstr 25, DE-70599 Stuttgart, Germany  
*J Agric Food Chem* 2003 **51** (17) 5006  
 Identification of flavonol and xanthone glycosides from mango (*Mangifera indica* L. cv. "Tommy Atkins") peels by high-performance liquid chromatography-electrospray ionization mass spectrometry
- Skouroumounis GK, Kwiatkowski M, Sefton MA, Gawel R, Waters EJ// Australian Wine Res Inst, POB 197, Glen Osmond, SA 5064, Australia  
*Aust J Grape Wine Res* 2003 **9** (2) 138  
*In situ* measurement of white wine absorbance in clear and in coloured bottles using a modified laboratory spectrophotometer