

## Bibliography of analytical, nutritional and clinical methods

(8 weeks journals. Search completed at 6th. Sept. 2001)

### 1. Books, reviews & symposia

Chaintreau A// Firmenich SA, Corp R&D Div, PO Box 239, CH-1211 Geneva 8, Switzerland

*Flavour Fragr J* 2001 **16** (2) 136

Simultaneous distillation-extraction: From birth to maturity (Review)

Ebeler SE// Univ Calif, Dept Viticulture & Enol, 1 Shields Ave, Davis, Ca 95616, USA

*Food Rev Int* 2001 **17** (1) 45

Analytical chemistry: Unlocking the secrets of wine flavour

Oka H, Ito Y, Ikai Y// Aichi Prefectural Inst Publ Hlth, Kita ku, 7-6 Nagare, Nagoya, Aichi 462 8576, Japan

*J Food Hyg Soc Jpn* 2001 **42** (3) 159

Use of liquid chromatography/mass spectrometry in food analysis (Review) (Japanese, English Abstract)

Palleschi G, Cubadda R// Univ Roma tor Vergata, Dipt Sci & Tecno Chim, via Ric Sci, IT-00133 Rome, Italy

*Ital J Food Sci* 2001 **13** (2) 137

Electrochemical biosensors for food analysis and the food industry (Review)

Poste LM, Mackie DA, Butler G, Larmond E// Agr Canada, Ctr Food Res, Ottawa, Ontario, Canada K1A 0C6

*J Jpn Soc Food Sci Technol* 2001 **48** (6) 453

Laboratory methods for sensory analysis of food: Part III (Mini Review) (Japanese, English Abstract)

Rao CS// Univ Wisconsin, Madison, WI 53706, USA

*J Food Sci* 2001 **66** (3) 380

Milk protein analysis using a micro-fabricated sieve: A promising possibility

Schofield P, Mbugua DM, Pell AN\*// \*Cornell Univ, Dept Anim Sci, 325 Morrison Hall, Ithaca, NY 14853, USA

*Anim Feed Sci Technol* 2001 **91** (102) 21

Analysis of condensed tannins: A review

Vinatoru M// Romanian Acad, Costin D Nenitzescu Inst Organ Chem, POB 15-254, RO-77141 Bucharest, Romania

*Ultrasound Sonochem* 2001 **8** (3) 303

An overview of the ultrasonically assisted extraction of bioactive principles from herbs

### 2. General

Barry C// Canadian Food Inspect Agcy, Ottawa, Ontario, Canada

*J AOAC Int* 2001 **84** (3) 955

Food authenticity

Ihnat M// Agr & Agri-Food Canada, Pacific Agri-Food Res Ctr, Summerland, Brit Columbia, Canada V0H 1Z0

*Fresenius J Anal Chem* 2001 **370** (2-3) 279

Twenty five years of reference material activity at Agriculture and Agri-Food Canada

Peters MJ// Proc Sensors Corp, Milford, Ma, USA

*Cereal Food World* 2001 **46** (6) 246

Near infrared analyzers in the snack food industry

Phillips KM, Simpkins AH, Amanna KR, Wolf W, Stewart KK, Clark S, Kim

KP, Beecher GR, Holden J// Virginia Tech, Dept Biochem, 304 Engel Hall, Blacksburg, Va 24061, USA

*Fresenius J Anal Chem* 2001 **370** (2-3) 297

Long-term stability of nutrients in a frozen mixed food control material

Satchithanandam S, Fritsche J, Rader JI// US/FDA, Off Nutr Prod Labeling & Dietary Supplements, 200 C St SW, Washington, DC 20204, USA

*J AOAC Int* 2001 **84** (3) 805

Extension of AOAC Official Method 996.01 to the analysis of Standard Reference Material (SRM) 1846 and infant formulas

Sharpless KE, Colbert JC, Greenberg RR, Schantz MM, Welch MJ// NIST, 100 Bur Dr, Stop 8392, Gaithersburg, Md 20899, USA

*Fresenius J Anal Chem* 2001 **370** (2-3) 275

Recent developments in food-matrix reference materials at NIST

Wilson RH, Colquhoun IJ, Kemsley EK// AFRC, Inst Food Res, Norwich Res Pk, Norwich NR4 7UA, England

*Am Lab* 2001 **33** (11) 54

Screening food products for authenticity using infrared spectroscopy

### 3. Amino acids, proteins & enzymes

Bendicho S, Trigueros MC, Hernandez T, Martin O\*// \*Univ Lleida, CeRTA, Dept Tecno Alimentos, UTPV, Lleida, Spain

*J Dairy Sci* 2001 **84** (7) 1590

Validation and comparison of analytical methods based on the release of *p*-nitrophenol to determine lipase activity in milk

Blais BW, Phillippe L// Canadian Food Insp Agcy, Lab Serv Div, Bldg 22, Ottawa, Ontario, Canada K1A 0C6

*J Food Prot* 2001 **64** (6) 895

Detection of hazelnut proteins in foods by enzyme immunoassay using egg yolk antibodies

Bohmler G// Staatliches Lebensmitteluntersuchungsamt, Dresdenstr 6, DE-38124 Braunschweig, Germany

*Fleischwirtschaft* 2001 **81** (6) 103

Detection of beef protein in meat products: A discussion about possible ways to input (German, English Abstract)

Duodu KG, Tang H, Grant A, Wellner N, Belton PS, Taylor JRN\*// \*Univ Pretoria, Dept Food Sci, ZA-0002 Pretoria, Rep Sth Africa

*J Cereal Sci* 2001 **33** (3) 261

FTIR and solid state <sup>13</sup>C NMR spectroscopy of proteins of wet cooked and popped sorghum and maize

Farag RS, Hegazy RA, Elkhawas KH, Farag M// Cairo Univ, Fac Agr, Dept Biochem, Giza, Egypt

*J Sci Food Agric* 2001 **81** (10) 975

Electrophoretic patterns of microwaved and  $\gamma$ -irradiated beef liver proteins

Indrayanto G, Sia TK, Wibowo YI// Airlangga Univ, Fac Pharm, Lab Pharmaceut Biotechnol, ID-60286 Surabaya, Indonesia

*J Planar Chromatogr Mod TLC* 2001 **14** (1) 24

Densitometric determination of taurine and L-lysine hydrochloride in an energy drink and in multi-vitamin syrup, and validation of the method

Kahlon TS, Xu R, Chow FI// USDA/ARS, Western Reg Res Ctr, 800 Buchanan St, Albany, Ca 94710, USA

*Food Chem* 2001 **75** (1) 115

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; 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.

Comparison of lipoprotein fractionation by sequential density gradient ultracentrifugation with precipitation or fast phase liquid chromatography

Kawase S, Ushio H\*, Ohshima T, Yamanaka H, Fukuda H// \*Tokyo University Fisheries, Dept Food Sci & Technol, Minato ku, Tokyo 108 8477, Japan

*Fisheries Sci* 2001 **67** (3) 559

Preparation of monoclonal antibodies against tuna parvalbumin

Neumann A, Beutling D// Dorfstr 7, DE-39638 Wicpke, Germany

*Fleischwirtschaft* 2001 **81** (6) 88

Spectrophotometric analysis of porphyrin for quantitative determination of poultry haemoglobin (German, English Abstract)

Partridge MAK, Hill AS, Blundell MJ, Skerritt JH\*\* \*CSIRO, Plant Ind & Qual Wheat Cooperat Res Ctr Ltd, GPO Box 1600, Canberra, ACT, Australia

*Cereal Chem* 2001 **78** (3) 294

Two-site sandwich ELISA for discriminating different Gli-1 (gliadin)/Glu-3 (LMW-glutenin subunit) alleles in hexaploid wheat

Prange A, Kuhlens N, Birzels B, Arzberger I, Hormes J, Antes S, Kohler P// Univ Bonn, Inst Mikrobiol & Biotechnol, Meckenheimer Allee 168, DE-53115 Bonn, Germany

*Eur Food Res Technol* 2001 **212** (5) 570

Sulfur in wheat gluten: *In situ* analysis by X-ray absorption near edge structure (XANES) spectroscopy

Rouxel C, Daniel A, Jerome M, Etienne M, Fleurence J\*\* \*IFREMER, Lab Biochim Proteines & Qual, BP 21 105, FR-44311 Nantes 3, France

*Food Chem* 2001 **74** (3) 349

Species identification by SDS-PAGE of red algae used as seafood or a food ingredient

Sebecic B, Balenovic J// Univ Zagreb, Fac Pharm & Biochem, Dept Food Chem, a Kovacica I, HR-10000 Zagreb, Croatia

*Dtsch Lebensm-Rundsch* 2001 **97** (6) 221

Rapid ecologically acceptable method for wheat protein content determination: Comparison of methods

Siriamornpun S, Wootton M, Cox JM, Bekes F, Wrigley CW// Univ New Sth Wales, Dept Food Sci & Technol, Kensington, NSW 2052, Australia

*Aust J Agric Res* 2001 **52** (8) 839

Capillary electrophoresis of wheat gliadin proteins and its potential for wheat varietal identification using pattern matching software

Van der Ven C, Gruppen H, De Bont DBA, Voragen AGJ\*\* \*Univ Wageningen & Res Ctr, Dept Agrotechnol & Food Sci, Food Chem Lab, POB 8129, NL-6700 EV Wageningen, The Netherlands

*Int Dairy J* 2001 **11** (1-2) 83

Reversed phase and size exclusion chromatography of milk protein hydrolysates: Relation between elution from reversed phase column and apparent molecular weight distribution

Wolf WR, Zainal H, Yager B// USDA/ARS, BHNRC, Food Compos Lab, Beltsville, Md 20705, USA

*Fresenius J Anal Chem* 2001 **370** (2-3) 285

Selenomethionine content of candidate reference materials

Yeboah FK, Yaylayan VA\*\* \*McGill Univ, Dept Food Sci & Agr Chem, 21 111 Lakeshore, St Anne de Bellevue, Quebec H9X 3V9, Canada

*Nahrung* 2001 **45** (3) 164

Analysis of glycosylated proteins by mass spectrometric techniques: Qualitative and quantitative aspects

#### 4. Carbohydrates

Brooks SPJ, Oberleas D, Dawson BA, Belonje B, Lampi BJ// Hlth Canada, Food Directorate, Nutr Res Div, Banting Res Ctr, Tunneys Pasture, Ottawa, Ontario, Canada K1A 0L2

*J AOAC Int* 2001 **84** (4) 1125

Proposed phytic acid standard including a method for its analysis

Canizares-Macias P, Hernandez-Garciadiago L, Gomez-Ruiz H// Natl Autonomous Univ Mexico, Fac Chem, Dept Analyt Chem, Ciudad Univ, MX-04510 Mexico City, DF, Mexico

*J Food Sci* 2001 **66** (3) 407

An automated flow injection analysis procedure for the determination of reducing sugars by DNSA method

Chong CK, Xing J, Phillips DL\*, Corke H// \*Univ Hong Kong, Dept Chem, Pokfulam Rd, Hong Kong, Peoples Rep China

*J Agric Food Chem* 2001 **49** (6) 2702

Development of NMR and Raman spectroscopic methods for the determination of the degree of substitution of maleate in modified starches

Corradini C, Canali G, Galanti R, Nicoletti I// CNR, Ist Cromatog, Area Ric

Roma, POB 10, IT-00016 Monterotondo, Italy

*J Liq Chromatogr Relat Technol* 2001 **24** (8) 1073

Determination of alditols and carbohydrates of food interest using a sulfonated monodisperse resin-based column, coupled with pulsed amperometric detection (PAD) and postcolumn PH adjustment

Day MP, Correia P, Hammond DA// Univ Reading, Reading Sci Serv Ltd, Lord Zuckerman Res Ctr, Reading RG6 6LA, England

*J AOAC Int* 2001 **84** (3) 957

<sup>13</sup>C-IRIS: An improved method to detect the addition of low levels of C<sub>4</sub>-derived sugars to juices

Doco T, O'Neill MA, Pellerin P// INRA-Inst Prod Vigne, Unit Rech Biopolym & Aromes, 2 Pl Viala, FR-34060 Montpellier, France

*Carbohydr Polym* 2001 **46** (3) 249

Determination of the neutral and acidic glycosyl-residue compositions of plant polysaccharides by GC-EL-MS analysis of the trimethylsilyl methyl glycoside derivatives

Geater CW, Fehr WR\*, Wilson LA, Robyt JF// \*Iowa State Univ Sci & Technol, Dept Agron, Ames, Ia 50011, USA

*Crop Sci* 2001 **41** (1) 250

A more rapid method of total sugar analysis for soybean seed

Gomis DB, Tamayo DM, Alonso JM// Univ Oviedo, Fac Quim, Dept Quim Fis & Analit, Julian Claveria 8, ES-33006 Oviedo, Asturias, Spain

*Anal Chim Acta* 2001 **436** (1) 173

Determination of monosaccharides in cider by reversed-phase liquid chromatography

Himmelsbach DS, Barton FE, McClung AM, Champagne ET// USDA/ARS, Richard B Russell Agr Res Ctr, POB 5677, Athens, Ga 30604, USA

*Cereal Chem* 2001 **78** (4) 488

Protein and apparent amylose contents of milled rice by NIR-FT/Raman spectroscopy

Kanou M, Hashimoto A, Shinoki Y, Ito K, Motonaga Y, Kameoka T// Mie Univ, Fac Bioresources, 1515 Kamihama cho, Tsu, Mie 514 8507, Japan

*J Jpn Soc Food Sci Technol* 2001 **48** (6) 401

Determination of polymerization degree of malto-oligosaccharides by FT-IR/ATR spectroscopy (Japanese, English Abstract)

Le Barc'H N, Gossel JM, Looten P, Mathlouthi M\*\* \*Univ Reims Champagne Ardenne, Lab Chim-Phys Indust, BP 1039, FR-51687 Reims 2, France

*Food Chem* 2001 **74** (1) 119

Kinetic study of the mutarotation of D-glucose in concentrated aqueous solution by gas-liquid chromatography

Lhomme C, Peschet JL, Puigserver A, Biagini A\*\* \*Univ Aix Marseille III, Fac Sci & Tech St Jerome, INRA UMR, Inst Mediterranee Rech Nutr, FR-13397 Marseille 20, France

*J Chromatogr A* 2001 **920** (1-2) 291

Evaluation of fructans in various fresh and stewed fruits by high-performance anion-exchange chromatography with pulsed amperometric detection

Monsoor MA, Kalapathy U, Proctor A\*\* \*Univ Arkansas, Dept Food Sci, 2650 Nth Young Ave, Fayetteville, Ar 72704, USA

*J Agric Food Chem* 2001 **49** (6) 2756

Improved method for determination of pectin degree of esterification by diffuse reflectance Fourier transform infrared spectroscopy

Monsoor MA, Kalapathy U, Proctor A\*\* \*Univ Arkansas, Dept Food Sci, 2650 Nth Young Ave, Fayetteville, Ar 72704, USA

*Food Chem* 2001 **74** (2) 233

Determination of polygalacturonic acid content in pectin extracts by diffuse reflectance Fourier transform infrared spectroscopy

Singleton V, Horn J, Bucke C, Adlard M// Address not available.

*Int Sugar* 2001 **103** (1230) 251

A new polarimetric method for the analysis of dextran and sucrose

Vaccari G, Lodi G, Tamburini E, Bernardi T, Tosi S// Univ Ferrara, Chem Dept, via L Borsari 46, IT-44100 Ferrara, Italy

*Food Chem* 2001 **74** (1) 99

Detection of oligosaccharides in sugar products using planar chromatography

#### 5. Lipids

Belloque J, Carracosa AV, Lopez-Fandino R// CSIC, Inst Fermentac Ind, Juan Cierva 3, ES-28006 Madrid, Spain

*J Food Prot* 2001 **64** (6) 850

Changes in phosphoglyceride composition during storage of ultrahigh-temperature milk, as assessed by <sup>31</sup>P-nuclear magnetic resonance: Possible involvement of thermoresistant microbial enzymes

Campanella L, Sammartino MP, Tomassetti M, Zannella S// Univ Roma La

- Sapienza, Dept Chem, Ple A Moro, IT-00185 Rome, Italy  
*Sensor Actuator B-Chem* 2001 **76** (1-3) 158  
 Hydroperoxide determination by a catalase OPEE: Application to the study of extra virgin olive oil rancidification process
- Czauderna M, Kowalczyk J, Chojecki G// Polish Acad Sci, Kielanowski Inst Anim Physiol & Nutr, PL-05110 Jablonna, Poland  
*J Anim Feed Sci* 2001 **10** (S2) 369  
 An improved method for derivatization of fatty acids for liquid chromatography
- Czauderna M, Kowalczyk J, Potkanski A, Szumacher-Strabel M, Chojecki G// Address as above.  
*J Anim Feed Sci* 2001 **10** (S2) 377  
 An HPLC method for determining desirable or undesirable conjugated linoleic acid
- Czauderna M, Kowalczyk J, Potkanski A, Szumacher-Strabel M, Chojecki G// Address as above.  
*J Anim Feed Sci* 2001 **10** (S2) 385  
 Quantification of conjugated linoleic acid and other essential fatty acids in ovine meat, milk, fat, and intestinal digesta
- Evers JM, Crawford RA, Wightman LM, Kissling RC// New Zealand Dairy Res Inst, Private Bag 11029, Palmerston North, New Zealand  
*Int Dairy J* 2001 **11** (3) 127  
 Routine methods for the determination of solids-not-fat, moisture and fat (by difference) in butter: Robustness, bias and precision
- Garcia A, Brenes M, Martinez F, Alba J, Garcia P, Garrido A\*// \*CSIC, Inst Grasa, Food Biotechnol Dept, Avda Padre Garcia Tejero 4, ES-41080 Seville, Spain  
*J Am Oil Chem Soc* 2001 **78** (6) 625  
 High-performance liquid chromatography evaluation of phenols in virgin olive oil during extraction at laboratory and industrial scale
- Gordon MH, Covell C, Kirsch N// Univ Reading, Sch Food Biosci, Hugh Sinclair Unit Human Nutr, POB 226, Reading RG6 6AP, England  
*J Am Oil Chem Soc* 2001 **78** (6) 621  
 Detection of pressed hazelnut oil in admixtures with virgin olive oil by analysis of polar components
- Hermida M, Gonzalez JM, Sanchez M, Rodriguez-Otero JL\*// \*Univ Santiago, Fac Vet, Inst Invest & Anal Alimentos, ES-27002 Lugo, Spain  
*Int Dairy J* 2001 **11** (1-2) 93  
 Moisture, solids-non-fat and fat analysis in butter by near infrared spectroscopy
- Itabashi Y// Hokkaido Univ, Grad Sch Fisheries Sci, Hakodate, Hokkaido 041 681, Japan  
*Nippon Suisan Gakkaishi* 2001 **67** (3) 413  
 Development and application of precision methods for analysis of fish oils (Japanese, English Abstract)
- Jochum M, Pieper A, Engelhardt H// Univ Saarland, DE-66123 Saarbrücken, Germany  
*Dtsch Lebensm-Rundsch* 2001 **97** (8) 285  
 Determination of  $\omega$ -3-fatty acids in supplemented food samples (German, English Abstract)
- Kamm W, Dionisi F\*, Hischenhuber C, Engel KH// \*Nestle Res Ctr, POB 44, CH-100 Lausanne 26, Switzerland  
*Food Rev Int* 2001 **17** (3) 249  
 Authenticity assessment of fats and oils
- Kupper L, Heise HM\*, Lampen P, Davies AN, McIntyre P// \*Inst Spectrochem & Appl Spect, Bunsen Kirchoff Str 11, DE-44139 Dortmund, Germany  
*Appl Spectrosc* 2001 **55** (5) 563  
 Authentication and quantification of extra virgin olive oils by attenuated total reflectance infrared spectroscopy using silver halide fiber probes and partial least-squares calibration
- Lam HS, Proctor A\*// \*Univ Arkansas, Dept Food Sci, Fayetteville, AR 72704, USA  
*Cereal Chem* 2001 **78** (4) 498  
 Rapid methods for milled rice surface total lipid and free fatty acid determination
- Mannina L, Patumi M, Proietti N, Bassi D, Segre AL// Univ Molise, Fac Sci, MM FF NN, via Mazzini 8, IT-86170 Isernia, Italy  
*J Agric Food Chem* 2001 **49** (6) 2687  
 Geographical characterization of Italian extra virgin olive oil using high-field <sup>1</sup>H NMR spectroscopy
- Mossoba MM, Adam M, Lee T// US/FDA, Ctr Food Safety & Appl Nutr, Off Sci Anal & Support, Mail Stop HFS-717, 200 C St SW, Washington, DC 20204, USA  
*J AOAC Int* 2001 **84** (4) 1144
- Rapid determination of total *trans* fat content: An attenuated total reflection infrared spectroscopy international collaborative study
- Mossoba MM, Kramer JKG, Fritsche J, Yurawecz MP, Eulitz KD, Ku Y, Rader JI// Address as above.  
*J Am Oil Chem Soc* 2001 **78** (6) 631  
 Application of standard addition to eliminate conjugated linoleic acid and other interferences in the determination of total *trans* fatty acids in selected food products by infrared spectroscopy
- Neff WE, Byrdwell WC, List GR// USDA/ARS, Natl Ctr Agr Utilizat Res, Food Qual & Safety Res, 1815 Nth Univ St, Peoria, IL 61604, USA  
*J Liq Chromatogr Relat Technol* 2001 **24** (6) 837  
 Triacylglycerol structures of food fats high in saturated acids by HPLC and mass spectrometry
- Nicolini C, Erokkin V, Ghisellini P, Paternolli C, Ram MK, Sivozhelozov V// Univ Genoa, Dept Biophys M&O Sci & Technol, Corso Europa 30, IT-16132 Genoa, Italy  
*Langmuir* 2001 **17** (12) 3719  
 P450sc engineering and nanostructuring for cholesterol sensing
- Oh HI, Shin TS, Chang EJ// Sejong Univ, Dept Food Sci & Technol, Kwangjin ku, 98 Kunja dong, Seoul 143747, South Korea  
*Asian Australas J Anim Sci* 2001 **14** (10) 1465  
 Determination of cholesterol in milk and dairy products by high-performance liquid chromatography
- Ollivier D, Guerere M// Directorate Gen Competit Consumer Affairs & Fraud, Interreg Lab, 146 Traverse Charles Susini, FR-13388 Marseille 13, France  
*Am Lab* 2001 **33** (11) 18  
 Development of a benzene hydrocarbon measurement method for virgin olive oils
- Park KH, Kim HJ\*// \*Seoul Natl Univ, Sch Chem & Molec Engn, Seoul 151747, Korea  
*Rapid Commun Mass Spectrom* 2001 **15** (16) 1494  
 Analysis of fatty acids by graphite plate laser desorption/ionization time-of-flight spectrometry
- Sek L, Porter CJH, Charman WN\*// \*Monash Univ, Victorian Coll Pharm, Dept Pharmaceut, 381 Royal Parade, Parkville, Vic 3052, Australia  
*J Pharmaceut Biomed Anal* 2001 **25** (3-4) 651  
 Characterisation and quantification of medium chain and long chain triglycerides and their *in vitro* digestion products, by HPTLC coupled with *in situ* densitometric analysis
- Steinhart H, Winkler K, Rickert R// Univ Hamburg, Inst Biochem & Food Chem, Grindelallee 117, DE-20146 Hamburg, Germany  
*Ol Corps Gras Lipides* 2001 **8** (1) 29  
*Trans*- and conjugated fatty acids in food: Contents and analytical aspects
- Tasioula-Margari M, Okogeri O// Univ Ioannina, Sect Ind & Food Chem, Dept Chem, GR-45110 Ioannina, Greece  
*Food Chem* 2001 **74** (3) 377  
 Simultaneous determination of phenolic compounds and tocopherols in virgin olive oil using HPLC and UV detection
- Tasioula-Margari M, Okogeri O// Address as above.  
*J Food Sci* 2001 **66** (4) 530  
 Isolation and characterization of virgin olive oil phenolic compounds by HPLC/UV and GC-MS
- Verleyen T, Verhe R, Garcia L, Dewettinck K, Huyghebaert A, De Greyt W// State Univ Ghent, Dept Organ Chem, Coupure Links 653, BE-9000 Ghent, Belgium  
*J Chromatogr A* 2001 **921** (2) 277  
 Gas chromatographic characterization of vegetable oil deodorization distillate
- Wardas W, Pyka A// L Warynski Silesian Med Acad, Fac Pharm, 4 Jagielonska St, PL-41200 Sosnowiec, Poland  
*J Planar Chromatogr Mod TLC* 2001 **14** (1) 8  
 Visualizing agents for esters of higher fatty acids in TLC
- Zawydiwski R, Sprecher DL, Eveleigh MJ, Horsewood P, Carte C, Patterson M// Int Med Innovat Inc, 4211 Yonge St, Suite 300, Toronto, Ontario, Canada M2P 2A9  
*Clin Chem* 2001 **47** (7) 1302  
 A novel test for the measurement of skin cholesterol

## 6. Vitamins & co-factors

- Barrales PO, Vidal AD, De Cordova MLF, Diaz AM\*// \*Univ Jaen, Fac Expt Sci, Dept Phys & Analyt Chem, Paraje Las Lagunillas, ES-23071 Jaen, Spain  
*J Pharmaceut Biomed Anal* 2001 **25** (3-4) 619  
 Simultaneous determination of thiamine and pyridoxine in pharmaceuticals by

using a single flow-through biparameter sensor

Breithaupt DE// Univ Hohenheim, Inst Lebensmittelchem, Garbenstr 28, DE-70593 Stuttgart, Germany

*Food Chem* 2001 **74** (4) 521

Determination of folic acid by ion-pair RP-HPLC in vitamin-fortified fruit juices after solid-phase extraction

Cancelon PF// Florida Dept Citrus, 700 Expt Stn Rd, Lake Alfred, FL 33850, USA

*JAOAC Int* 2001 **84** (3) 987

Routine analysis of ascorbic acid in citrus juice using capillary electrophoresis

Castro RN, Azeredo LC, Azeredo MAA, De Sampaio CST// Univ Fed Rural Rio de Janeiro, Dept Chem, BR-23890-000 Seropedica, RJ, Brazil

*J Liq Chromatogr Relat Technol* 2001 **24** (7) 1015

HPLC assay for the determination of ascorbic acid in honey samples

Coatanea M, Darchen A, Hauchard D// Ecole Natl Super Chim Rennes, Lab Physicochim, Ave Gen Leclerc, FR-35700 Rennes, France

*Sensor Actuator B-Chem* 2001 **76** (1-3) 539

Electroanalysis at ultramicroelectrodes of oils and fats: Application to the determination of vitamin E

De Quiros ARB, Lopez-Hernandez J\*, Simal-Lozano// \*Univ Santiago de Compostela, Fac Pharm, Nutr & Bromatol Dept, Nutr & Bromatol Grp, ES-15706 Santiago de Compostela La Coruna, Spain

*Eur Food Res Technol* 2001 **212** (6) 687

Determination of carotenoids and liposoluble vitamins in sea urchin (*Paracentrotus lividus*) by high performance liquid chromatography

Hadolin M, Skerget M, Knez Z\*, Bauman D// \*Univ Maribor, Fac Chem & Chem Engn, Smetanova 17, SI-2000 Maribor, Slovenia

*Food Chem* 2001 **74** (3) 355

High pressure extraction of vitamin E-rich oil from *Silybum marianum*

Higashi T, Awada D, Shimada K\*// \*Kanazawa Univ, Fac Pharmaceut Sci, 13-1 Takara machi, Kanazawa, Ishikawa 920 093, Japan

*Biol Pharm Bull* 2001 **24** (7) 738

Simultaneous determination of 25-hydroxyvitamin D<sub>2</sub> and 25-hydroxyvitamin D<sub>3</sub> in human plasma by liquid chromatography-tandem mass spectrometry employing derivatization with a Cookson-type reagent

Hu Q, Zhou TS, Zhang L, Li H, Fang YZ\*// \*East China Normal Univ, Dept Chem, CN-200062 Shanghai, Peoples Rep China

*Anal Chim Acta* 2001 **437** (1) 123

Separation and determination of three water-soluble vitamins in pharmaceutical preparations and food by micellar electrokinetic chromatography with amperometric electrochemical detection

Ishida BK, Ma J, Chan B// USDA/ARS, Western Reg Res Ctr, 800 Buchanan St, Albany, Ca 94710, USA

*Phytochem Anal* 2001 **12** (3) 194

A simple, rapid method for HPLC analysis of lycopene isomers

Jiang YC, Zhang ZQ\*, Zhang J// \*Shaanxi Normal Univ, Dept Chem, CN-710062 Xian, Peoples Rep China

*Anal Chim Acta* 2001 **435** (2) 351

Flow-injection, on-line concentrating and flame atomic absorption spectrometry for indirect determination of ascorbic acid based on the reduction of iron (III)

Kariluoto MS, Vahteristo LT, Piironen VI// Univ Helsinki, Dept Appl Chem & Microbiol, Viikki Food Sci, POB 27, FI-00014 Helsinki, Finland

*J Sci Food Agric* 2001 **81** (9) 938

Applicability of microbiological assay and affinity chromatography purification followed by high-performance liquid chromatography (HPLC) in studying folate contents in rye

Kiyose C, Saito H, Ueda T, Igarashi O// Ochanomizu Univ, Inst Environm Sci Human Life, Tokyo 112 8610, Japan

*J Nutr Sci Vitaminol* 2001 **47** (2) 102

Simultaneous determination of  $\alpha$ -,  $\gamma$ -tocopherol and their quinones in rats plasma and tissues using reversed-phase high-performance liquid chromatography

Kleszczewski T, Kleszczewska E// Med Acad Bialystok, Inst Biophys, Mickiewicza 2, PL-15230 Bialystok, Poland

*J Pharmaceut Biomed Anal* 2001 **25** (3-4) 477

FIA of vitamin C in blood serum in humans at increasing ethanol concentrations

La Croix DE, Wolf WR, Porter E, Cantellops D, Chase GW, Woollard D// USDA/ARS, Beltsville Agr Res Ctr, Food Composit Lab, 10300 Baltimore Ave, Beltsville, Md 20705, USA

*JAOAC Int* 2001 **84** (3) 789

Determination of niacin in infant formula by solid-phase extraction and anion-exchange liquid chromatography: PVM 1:2000

Osseyi ES, Wehling RL\*, Albrecht JA// \*Univ Nebraska, Dept Food Sci & Technol, 143 Filley Hall, Lincoln, Ne 68583, USA

*Cereal Chem* 2001 **78** (4) 375

HPLC determination of stability and distribution of added folic acid and some endogenous folates during breadmaking

Philpott N, Kelleher BP, Smith OP, O'Broin SD\*// \*St James's Hosp, Dept Haematol, Dublin 8, Rep Ireland

*Clin Lab Haematol* 2001 **23** (1) 15

High serum folates and the simplification of red cell folate analysis

Reyes FD, Romero JMF, Luque de Castro MD\*// \*Univ Cordoba, Div Analyt Chem, Annex C-3, Campus Rabanales, ES-14071 Cordoba, Spain

*Anal Chim Acta* 2001 **436** (1) 109

Determination of biotin in foodstuffs and pharmaceutical preparations using a biosensing system based on the streptavidin-biotin interaction

Sarioglu K, Celebi SS, Mutlu M\*// \*Hacettepe Univ, Dept Food Engn, TR-06532 Ankara, Turkey

*J Liq Chromatogr Relat Technol* 2001 **24** (7) 973

A rapid method for determination of vitamins D<sub>2</sub> and D<sub>3</sub> in pharmaceutical preparations by HPLC

Torre J, Lorenzo MP, Martinez-Alcazar MP, Barbas C\*// \*Univ San Pablo-CEU, Fac Ciencias Expt & Tecn, Ctra Boadilla del Monte, ES-28668, Madrid, Spain

*J Chromatogr A* 2001 **919** (2) 305

Simple high-performance liquid chromatography method for  $\alpha$ -tocopherol measurement in *Rosmarinus officinalis* leaves: New data on  $\alpha$ -tocopherol content

Wang Y, Chang WY, Prins GS, Van Brecmen RB\*// \*Univ Illinois Chicago, Dept Med Chem & Pharmacog, Coll Pharm, 833 Sth Wood St, Chicago, IL 60612, USA

*J Mass Spectrom* 2001 **36** (8) 882

Simultaneous determination of all-*trans*-, 9-*cis*-, 13-*cis* retinoic acid and retinol in rat prostate using liquid chromatography-mass spectrometry

Wielinski S, Olszanowski A// Poznan Univ Technol, Inst Chem Technol & Engn, Pl M Sklodowskiej Curie 2, PL-60965 Poznan, Poland

*J Liq Chromatogr Relat Technol* 2001 **24** (2) 201

Development and validation of HPLC method for simultaneous determination of fat-soluble vitamins in capsules

Zaporozhets OA, Krushinskaya EA, Lipkovskaya NA, Sukhan VV// Shevchenko Natl Univ, Vladimirskaia ul 64, UA-01033 Kiev, Ukraine

*J Anal Chem-Engl Tr* 2001 **56** (6) 524

Solid-phase reagent for analgin and ascorbic acid on the basis of a copper (II) complex with tetrabenzotetraazacyclohexadecine immobilized by adsorption on silica gel

## 7. Trace elements & minerals

Almeida CM, Vasconcelos MTSD\*// \*Univ Porto, Fac Ciencias, Dept Quim, LAQUIPAI, Rua Campo Alegre 687, PT-4169-007 Oporto, Portugal

*J Anal Atom Spectrom* 2001 **16** (6) 607

ICP-MS determination of strontium isotope ratio in wine in order to be used as a fingerprint of its regional origin

Baratta EJ, Mackill P// US/FDA, Engn & Analyt Ctr, Winchester, Ma 01890, USA

*J Radioanal Nucl Chem* 2001 **248** (2) 473

Determination of isotopic uranium in food and water

Bermejo P, Pena EM, Fompedrina D, Dominguez R, Bermejo A, Cocho JA, Fernandez JR, Fraga JM// Univ Santiago de Compostela, Fac Chem, Dept Analyt Chem Nutr & Bromatol, Avda Ciencias, ES-15782 Santiago de Compostela, Spain

*JAOAC Int* 2001 **84** (3) 847

Speciation of zinc in low molecular weight proteins of breast milk and infant formulas by size exclusion chromatography/flame atomic absorption spectroscopy

Cho HH, Kim YJ, Jo YS, Kitagawa K, Arai N, Lee YI\*// \*Changwon Natl Univ, Coll Nat Sci, Dept Chem, Kyungnam 641773, South Korea

*J Anal Atom Spectrom* 2001 **16** (6) 622

Application of laser-induced breakdown spectrometry for direct determination of trace elements in starch-based flours

Fang GZ, Meng SM, Zhang GZ, Pan JM// Shanxi Yanbei Normal Inst, Dept Chem, CN-037000 Datong, Peoples Rep China

*Talanta* 2001 **54** (4) 585

Spectrophotometric determination of lead in foods with dibromo-*p*-methyl-

bromosulfonazo

- Ghandour MA, Ali AMM\*, Fraghaly OA, Khodari M// \*Assiut Univ, Fac Sci, Dept Chem, EG-71516 Assiut, Egypt  
*Chem Pap-Chem Zvesti* 2001 **55** (2) 91  
Digestion-free determination of trace Cu, Cd, Pb, and Zn ions in Egyptian cane sugar by differential pulse anodic stripping voltammetry
- Huang SJ, Jiang SJ\*// \*Natl Sun Yat Sen Univ, Dept Chem, Kaohsiung 80424, Taiwan  
*J Anal Atom Spectrom* 2001 **16** (6) 664  
Determination of Zn, Cd and Pb in vegetable oil by electrothermal vaporization inductively coupled plasma mass spectrometry
- Jakeman A, Thompson T, McHattie J, Lehotay DC\*// \*Saskatchewan Prov Hlth Lab, 3211 Albert St, Regina, Saskatchewan, Canada S4S 5W6  
*Clin Biochem* 2001 **34** (1) 43  
Sensitive method for nontransferrin-bound iron quantification by graphite furnace atomic absorption spectrometry
- Larcher R, Nicolini G// Ist Agrario, Uo Tecnol & Anal Enol, via Mach 1, IT-38010 S Michele All'Adige, TN, Italy  
*Ital J Food Sci* 2001 **13** (2) 233  
Survey of 22 mineral elements in wines from Trentino (Italy) using ICP-OES
- Liu JF, Feng YD, Jiang GB\*// \*Chinese Acad Sci, Res Ctr Ecoenvironm Sci, CN-1000085 Beijing, Peoples Rep China  
*J AOAC Int* 2001 **84** (4) 1011  
Determination of manganese in feedstuffs by flow injection spectrophotometry based on rapid formation of permanganate at room temperature
- Liu JF, Feng YD, Jiang GB\*// Chinese Acad Sci, Res Ctr Ecoenviron Sci, CN-100085 Beijing, Peoples Rep China  
*J AOAC Int* 2001 **84** (4) 1179  
Identical flow injection spectrophotometric manifold for determination of protein, phosphorus, calcium, chloride, copper, manganese, iron, and zinc in feeds or premixes
- Matusiewicz H, Mikolajczak M// Politechnika Poznanska, Dept Analyt Chem, PL-60965 Poznan, Poland  
*J Anal Atom Spectrom* 2001 **16** (6) 652  
Determination of As, Sb, Se, Sn and Hg in beer and wort by direct hydride generation sample introduction-electrothermal AAS
- Michalke B, Witte H, Schramel P// GSF, Natl Res Ctr Environm & Hlth, Inst Ecol Chem, Neuherberg, Germany  
*J Anal Atom Spectrom* 2001 **16** (6) 593  
Developments of a rugged method for selenium speciation
- Muniz CS, Gayon JMM, Alonso JIG\*, Sanz-Medel A// \*Univ Oviedo, Fac Chem, Dept Phys & Analyt Chem, Julian Claveria 8, ES-33006 Oviedo, Spain  
*J Anal Atom Spectrom* 2001 **16** (6) 587  
Speciation of essential elements in human serum using anion-exchange chromatography coupled to post-column isotope dilution analysis and double focusing ICP-MS
- Perez-Cid B, Boia C, Pombo L, Rebelo E// Univ Vigo, Fac Ciencias - Quim, Dept Quim Anal, As Lagoas-Marcosende s/n, ES-36200 Vigo, Spain  
*Food Chem* 2001 **75** (1) 93  
Determination of trace metals in fish species of the Ria de Aveiro (Portugal) by electrothermal atomic absorption spectrometry
- Perrin L, Alonso MI, Andrey D, Bourqui B, Zbinden P// Nestle Res Ctr, Qual & Safety Assurance Dept, Vers Chez-Les-Blanc, CH-1000 Lausanne 26, Switzerland  
*Fresenius J Anal Chem* 2001 **370** (1) 76  
An evaluation of analytical techniques for determination of lead, cadmium, chromium, and mercury in food packaging materials
- Rossmann A// Tech Univ Munich, Lehrstul Biol Chem, Vottinger Str 40, DE-85350 Freising Weihenstephan, Germany  
*Food Rev Int* 2001 **17** (3) 347  
Determination of stable isotope ratios in food analysis
- Sancho D, Deban L\*, Barbosa F, Pardo R, Vega M// \*Univ Valladolid, Fac Ciencias, Dept Quim Anal, ES-47005 Valladolid, Spain  
*Food Chem* 2001 **74** (4) 527  
Determination of mercury in refined beet sugar by anodic stripping voltammetry without sample pretreatment
- Szczepaniak W, Wojciechowska M, Olejniczak I// Adam Mickiewicz Univ, Fac Chem, Dept Analyt Chem, 6 Grunwaldzka Str, PL-60780 Poznan, Poland  
*Chem Anal* 2001 **46** (3) 337  
Spectrophotometric determination of trace amounts of nitrates and nitrites by the modified Griess-Ilosvay method: Application in analysis of hard cheese
- Taddei MHT, Silva NC, Fernandes EAN, Cipriani M// Comissao Nacl Energia Nucl, COLAB, CP 913, BR-37701-970 Pocos de Caldas, MG, Brazil  
*J Radioanal Nucl Chem* 2001 **248** (2) 483  
Determination of alpha-emitting isotopes of uranium and thorium in vegetables and excreta
- Vinas P, Pardo-Martinez M, Lopez-Garcia I, Hernandez-Cordoba M\*// \*Univ Murcia, Fac Chem, Dept Analyt Chem, ES-30071 Murcia, Spain  
*J Anal Atom Spectrom* 2001 **16** (6) 633  
Determination of mercury in baby food and seafood samples using electrothermal atomic absorption spectrometry and slurry atomization
- Vinas P, Pardo-Martinez M, Hernandez-Cordoba M\*// \*Univ Murcia, Fac Chem, Dept Analyt Chem, ES-30071 Murcia, Spain  
*J AOAC Int* 2001 **84** (4) 1187  
Determination of aluminium and chromium in slurried baby food samples by electrothermal atomic absorption spectrometry
- Yebra MC, Enriquez MF, Garcia A, Moreno-Cid A// Univ Santiago, Fac Chem, Dept Analyt Chem Nutr & Bromatol, ES-15706 Santiago de Compostela, Spain  
*Fresenius J Anal Chem* 2001 **370** (1) 64  
Determination of trace amounts of lead in mussels by flow-injection flame atomic-absorption spectrometry coupled with on-line minicolumn preconcentration
- Yordanov ND, Novakova E, Lubenova S// Bulgarian Acad Sci, Inst Catalysis, BU-1113 Sofia, Bulgaria  
*Anal Chim Acta* 2001 **437** (1) 131  
Consecutive estimation of nitrate and nitrite ions in vegetables and fruits by electron paramagnetic resonance spectrometry
- Yoshinaga J, Morita M, Yukawa M, Shiraiishi K, Kawamura H// Univ Tokyo, Inst Environm Studies, Bunkyo ku, 7-3-1 Hongo, Tokyo 113 0033, Japan  
*J AOAC Int* 2001 **84** (4) 1202  
Certified reference material for analytical quality assurance of minor and trace elements in food and related matrixes based on a typical Japanese diet: Interlaboratory study

## 8. Drug, biocide & processing residues

- Abukhalaf IK, Parks BA, Silvestrov NA, Von Deutsch DA, Mozayani A, Aboul-Enein HY// Morehouse Sch Med, Dept Pharmacol & Toxicol, Atlanta, Ga 30310, USA  
*J Liq Chromatogr Relat Technol* 2001 **24** (3) 401  
Validation of a solid phase extraction procedure for the GC-MS identification and quantitation of cocaine and three metabolites in blood, urine, and milk
- Albero B, Sanchez-Brunete C, Tadeo JL// Inst Nacl Invest & Tech Agr & Alim-ent, Dept Uo Sostenible Medio Nat, Apdo 8111, ES-28080 Madrid, Spain  
*J AOAC Int* 2001 **84** (4) 1165  
Multiresidue determination of pesticides in honey by matrix solid-phase dispersion and gas chromatography with electron-capture detection
- Alferness PL, Wiebe LA// Biomarin Pharmaceut Inc, 371 Bel Marin Keys, Suite 210, Novato, Ca 94949, USA  
*J AOAC Int* 2001 **84** (3) 823  
Determination of glyphosate and aminomethylphosphonic acid in crops by capillary gas chromatography with mass-selective detection: Collaborative study
- Armishaw P, Millar R// Natl Analyt Reference Lab, 3 Clive Rd, Cottesloe, WA 6011, Australia  
*Fresenius J Anal Chem* 2001 **370** (2-3) 291  
A natural matrix (pureed tomato) candidate reference material containing residue concentrations of pesticide chemicals
- Asea PA, Patterson JR, Korsrud GO, Dowling PM, Boison JO\*// \*Canadian Food Inspect Agency, Ctr Vet Drug Residues, Hlth Anim Lab, 116 Vet Rd, Saskatoon, Saskatchewan, Canada S7N 2R3  
*J AOAC Int* 2001 **84** (3) 659  
Determination of flunixin residues in bovine muscle tissue by liquid chromatography with UV detection
- Bergmann R, Helling R, Heichert C, Scheunemann W, Mading P, Wittrich H, Johannsen B, Henle T\*// \*Tech Univ Dresden, Inst Food Chem, DE-01062 Dresden, Germany  
*Nahrung* 2001 **45** (3) 182  
Radio fluorination and positron emission tomography (PET) as a new approach to study the *in vivo* distribution and elimination of the advanced glycation endproducts *N*-ε-carboxymethyllysine (CML) and *N*-ε-carboxyethyllysine (CEL)
- Birlouez-Aragon I, Leclere J, Quedraogo CL, Birlouez E, Grongnet JF// Inst Natl Agron Paris Grignon, Lab Chim Analyt, 16 rue Claude Bernard, FR-75231 Paris 05, France  
*Nahrung* 2001 **45** (3) 201  
The FAST method, a rapid approach of the nutritional quality of heat-treated foods

- Boison JO, Souster K, Drury C, Musser JB, Anderson KL// Canadian Food Inspect Agency, Hlth Anim Lab, Ctr Vet Drug Residues, 116 Vet Rd, Saskatoon, Saskatchewan, Canada S7N 2R3  
*J Liq Chromatogr Relat Technol* 2001 **24** (6) 881  
An HPLC method for the determination of penicillin G residues in veal calf liver tissues
- Brem S, Grob K\*, Biedermann M// \*Official Food Control Authority, CH-8030 Zurich, Switzerland  
*Food Addit Contam* 2001 **18** (7) 655  
Method for determining novolac glycidyl ether (NOGE) and its chlorohydrins in oily canned foods
- Carlson M, Thompson RD// 7801 48th Ave Nth, New Hope, Mn 55428, USA  
*J AOAC Int* 2001 **84** (3) 782  
Identification of allantoin, uric acid, and indoxyl sulfate as biochemical indicators of filth in food packaging by LC
- Caubet MS, Millaret A, Elbast W, Brazier JL// Univ Montreal, Hop St Justine, Fac Pharm, Ctr Rech, Pharmaceut Famille Louis Boivin, CP 6128, Montreal, Quebec, Canada H3C 3J7  
*J Liq Chromatogr Relat Technol* 2001 **24** (8) 1181  
Solid-phase extraction with HPLC-DAD selective detection of amitriptyline and nortriptyline in human breast milk
- Columé A, Cardenas S, Gallego M, Valcarcel M\*// Univ Cordoba, Div Analyt Chem, Campus Rabanales, ES-14071 Cordoba, Spain  
*Anal Chim Acta* 2001 **436** (1) 153  
Semiautomatic multiresidue gas chromatographic method for the screening of vegetables for 25 organochlorine and pyrethroid pesticides
- Di Narda F, Toniolo R, Bontempelli G\*// \*Univ Udine, Dept Chem Sci & Technol, via Contonificio 108, IT-33100 Udine, Italy  
*Anal Chim Acta* 2001 **436** (2) 245  
Improved microwave digestion procedure for inductively coupled plasma mass spectrometric determinations of inorganic bromide residues in foodstuffs fumigated with methyl bromide
- Diserens JM// Nestle Res Ctr, Qual & Safety Assurance Dept, CH-1000 Lausanne 26, Switzerland  
*J AOAC Int* 2001 **84** (3) 853  
Rapid determination of nineteen chlorophenols in wood, paper, cardboard, fruits, and fruit juices by gas chromatography/mass spectrometry
- Furusawa N// Osaka City Univ, Fac Human Life Sci, Osaka 558 8585, Japan  
*J Chromatogr Sci* 2001 **39** (5) 183  
Normal-phase high-performance liquid chromatographic determination and identification of aldrin dieldrin, and DDTs in eggs
- Furusawa N// Address as above.  
*J Liq Chromatogr Relat Technol* 2001 **24** (2) 161  
Liquid chromatographic determination/identification of residual penicillin G in food-producing animal tissues
- Gamon M, Lleo C, Ten A, Mocholi F// Generalitat Valenciana, Lab Agroalimentario, Pinto Goya 8, ES-46100 Valencia, Spain  
*J AOAC Int* 2001 **84** (4) 1209  
Multiresidue determination of pesticides in fruit and vegetables by gas chromatography/tandem mass spectrometry
- Gaudin V, Fontaine J, Maris P// AFSSA, Community Reference Lab Antibiot Residues, BP 90203, FR-35302 Fougeres, France  
*Anal Chim Acta* 2001 **436** (2) 191  
Screening of penicillin residues in milk by a surface plasmon resonance-based biosensor assay: Comparison of chemical and enzymatic sample pre-treatment
- Gaudin V, Maris P// Address as above.  
*Food Agric Immunol* 2001 **13** (2) 77  
Development of a biosensor-based immunoassay for screening of chloramphenicol residues in milk
- Haasnoot W, Verheijen R// State Inst Qual Control Agr Prod, Bornsesteeg 45, NL-6708 PD Wageningen, The Netherlands  
*Food Agric Immunol* 2001 **13** (2) 131  
A direct (non-competitive) immunoassay for gentamicin residues with an optical biosensor
- Hasenkopf K, Ubel B, Bordiehn T, Pischetsrieder M\*// \*Univ Erlangen Nurnberg, Inst Pharm & Food Chem, Schuhstr 19, DE-91052 Erlangen, Germany  
*Nahrung* 2001 **45** (3) 206  
Determination of the Maillard product oxalic acid monolysinyamide (OMA) in heated milk products by ELISA
- Horii S, Nishi M, Oku N, Miyakawa H, Tezuka MT// Tokyo Metropolitan Res Lab Publ Hlth, Shinjuku ku, 3-24-1 Hyakunin cho, Tokyo 169 0073, Japan  
*J AOAC Int* 2001 **84** (4) 1031  
Determination of pyrimethamine in animal tissue and egg by liquid chromatography with fluorescence detection
- Horwitz W, Jackson T, Chirtel SJ// AOAC Int, 481 Nth Frederick Ave, Gaithersburg, Md 20877, USA  
*J AOAC Int* 2001 **84** (3) 919  
Examination of proficiency and control recovery data from analyses for pesticide residues in food: Sources of variability
- Jimenez JJ, Bernal JL, Del Nozal MJ, Toribio L, Arias E// Univ Valladolid, Fac Sci, Dept Analyt Chem, Prado de la Magdalena s/n, ES-47005 Valladolid, Spain  
*J Chromatogr A* 2001 **919** (1) 147  
Analysis of pesticide residues in wine by solid-phase extraction and gas chromatography with electron capture and nitrogen-phosphorus detection
- Khan IA, Allgood J, Walker LA, Abourashed EA, Schlenk D, Benson WH// Univ Mississippi, Sch Pharm, Pharmaceut Sci Res Inst, Natl Ctr Nat Prod Res, University, Ms 38677, USA  
*J AOAC Int* 2001 **84** (3) 936  
Determination of heavy metals and pesticides in ginseng products
- Lacoste F, Brenne E, Coustille JL// ITERG, rue Monge, FR-33600 Pessac, France  
*Ol Corps Gras Lipides* 2001 **8** (2) 167  
Improving methods for determining the quantity of trace elements of residual hexane in refined vegetable oils (French)
- Lentza-Rizos C, Avramides EJ, Visi E// Natl Agr Res Fdn, I S Venizelou St, GR-14123 Athens, Greece  
*J Chromatogr A* 2001 **921** (2) 297  
Determination of residues of endosulfan and five pyrethroid insecticides in virgin olive oil using gas chromatography with electron-capture detection
- Peeters MC, Defloor I, Coosemans J, Delcour JA, Ooms L, Deliever R, De Vos D// Katholieke Univ Leuven, Fac Agr & Appl Biol Sci, Teaching Support Unit, Kasteelpk Arenberg 21, BE-3001 Louvain, Belgium  
*J Chromatogr A* 2001 **920** (1-2) 255  
Simple ion chromatographic method for the determination of chlormequat residues in pears
- Pensabene JW, Lehotay SJ\*, Fiddler W// \*USDA/ARS, Eastern Reg Res Ctr, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA  
*J Chromatogr Sci* 2001 **39** (5) 195  
Method for the analysis of thyrostats in meat tissue using gas chromatography with nitrogen phosphorus detection and tandem mass spectrometric confirmation
- Podhorniak LV, Negron JF, Griffith FD// US/EPA, Off Pesticide Programs, Biol & Econ Anal Div, Analyt Chem Branch, 701 Mapes Rd, Fort George G, Meade, Md 20755, USA  
*J AOAC Int* 2001 **84** (3) 873  
Gas chromatography with pulsed flame photometric detection multiresidue method for organophosphate pesticide and metabolite residues at the parts-per-billion level in representative commodities of fruit and vegetable crop groups
- San Martin A, Cannon H, Iraguen D// Univ Chile, Fac Ciencias Vet & Pecuarias, Dept Ciencias Clin, Farmacol Lab, Avda Santa Rosa 11735, Santiago, Chile  
*Arch Med Vet* 2001 **33** (1) 115  
A fast assay for the simultaneous determination of enrofloxacin and ciprofloxacin in milk by high performance liquid chromatography (Spanish, English Abstract)
- Sasaki K, Tatsuno T, Nakamura M, Kaneko M, Goto N, Kondo Y, Takahata K, Miura Y, Toyoda M// Natl Inst Hlth Sci, Setagaya ku, 1-18-1 Kamiyoga, Tokyo 158 8501, Japan  
*J Food Hyg Soc Jpn* 2001 **42** (3) 210  
Method-performance studies of notified analytical method for fenbutatin oxide and cyhexatin (Japanese, English Abstract)
- Scheibe B, Weiss W\*, Bauer CP, Gorg A// \*Tech Univ Munich, Dept Lebensmittel & Ernährung, AG Proteomik, Kinder & Poliklin, DE-85350 Freising, Weihenstephan, Germany  
*Eur Food Res Technol* 2001 **212** (6) 691  
Electrophoretic and immunochemical determination of bioindustrial enzymes in apple juice
- Shen JZ, Qian CF, Jiang HY, Yang HC// China Agr Univ, Coll Vet Med, CN-100094 Beijing, Peoples Rep China  
*J Agric Food Chem* 2001 **49** (6) 2697  
Development of an enzyme-linked immunosorbent assay for the determination of maduramicin in broiler chicken tissues
- Stewart EM, McRoberts WC, Hamilton JTG, Graham WD// Queen's Univ Belfast, Dept Agr & Rural Dev, Food Sci Div, Newforge Lane, Belfast BT9 5PX, Northern Ireland  
*J AOAC Int* 2001 **84** (3) 976  
Isolation of lipid and 2-alkylcyclobutanones from irradiated foods by super-

critical fluid extraction

Takahata K, Ueda S, Watanabe Y, Akiyama M, Terada A// Tokyo Food Sanitat Assoc, Food Res Lab, Itabashi ku, 1-19-10 Tokumaru, Tokyo 175 0083, Japan

*J Jpn Soc Food Sci Technol* 2001 **48** (6) 437

Determination of bisphenol A in canned marine products by solid-phase extraction and gas chromatography-mass spectrometry (Japanese, English Abstract)

Valenzuela AI, Pico Y, Font G// Univ Valencia, Toxicol Lab, Fac Farm, Avda Vicent Andres Estelles s/n, ES-46100 Burjassot, Spain

*J AOAC Int* 2001 **84** (3) 901

Determination of five pesticide residues in oranges by matrix solid-phase dispersion and liquid chromatography to estimate daily intake of consumers

Wennrich L, Popp P, Koller G, Breuste J// UFZ - Ctr Environm Res Leipzig Halle Ltd, Dept Urban Landscapes, Permoserstr 15, DE-04318 Leipzig, Germany

*J AOAC Int* 2001 **84** (4) 1194

Determination of organochlorine pesticides and chlorobenzenes in strawberries by using accelerated solvent extraction combined with sorptive enrichment and gas chromatography/mass spectrometry

Yoshii K, Kaihara A, Tsumura Y, Ishimitsu S, Tonogai Y// Natl Inst Hlth Sci, Chuo ku, 1-1-43 Hoenzaka, Osaka 540 0006, Japan

*J AOAC Int* 2001 **84** (3) 910

Simultaneous determination of residues of emamectin and its metabolites, and milbemectin, ivermectin, and abamectin in crops by liquid chromatography with fluorescence detection

## 9. Toxins

Ake M, Eba B, Malan AK, Atindehou E// UFE Sci Pharmaceut & Biol, Lab Chim Analyt, BP V 34, Abidjan 01, Cote d'Ivoire

*Sci Aliment* 2001 **21** (2) 199

Liquid chromatographic determination of patulin in fruit juices sold in Cote d'Ivoire (French)

Curtui VG, Gareis M// Univ Agr Sci & Vet Med Banat, Fac Vet Med, 119 Calea Aradului, RO-1900 Timisoara, Romania

*Food Addit Contam* 2001 **18** (7) 635

A simple HPLC method for the determination of the mycotoxins ochratoxin A and B in blood serum of swine

Erkan N, Helle N, Ozden O// Istanbul Univ, Fak Aquat Prod, Abt Fischverarbeitung & Technol, Ordu Cad 200, TR-34470 Istanbul, Turkey

*Berl Munch Tierarztl Wochenschr* 2001 **114** (7-8) 241

Determination of biogenic amines in canned fish of the Turkish market (German, English Abstract)

Gay ML, White KD, Obermeyer WR, Betz JM, Musser SM// US/FDA, Ctr Food Safety & Appl Nutr, Washington, DC 20204, USA

*J AOAC Int* 2001 **84** (3) 761

Determination of ephedrine-type alkaloids in dietary supplements by LC/MS using a stable-isotope labeled internal standard

Goh DLM, Chua KY, Chew FT, Seow TK, Ou KL, Yi FC, Lee BW\*// \*Natl Univ Singapore, Dept Paediat, 5 Lower Kent Ridge Rd, SG-119074 Singapore, Rep Singapore

*J Allergy Clin Immunol* 2001 **107** (6) 1082

Immunochemical characterization of edible bird's nest allergens

Kaniou I, Samouris G, Mouratidou T, Eleftheriadou A, Zantopoulos N// Natl Agric Res Foundation, Inst Vet Res, GR-57008 Ionia-Thessaloniki, Greece

*Food Chem* 2001 **74** (4) 515

Determination of biogenic amines in fresh unpacked and vacuum-packed beef during storage at 4°C

Lawrence JF, Niedzwiedek B, Menard C, Lau BPY, Lewis D, Kuper-Goodman T, Carbone S, Holmes C// Hlth Canada, Food Res Div, Banting Res Ctr, Ottawa, Ontario, Canada K1A 0L2

*J AOAC Int* 2001 **84** (4) 1035

Comparison of liquid chromatography/mass spectrometry, ELISA, and phosphatase assay for the determination of microcystins in blue-green algae products

Lawrence JF, Niedzwiedek B// Address as above.

*J AOAC Int* 2001 **84** (4) 1099

Quantitative determination of paralytic shellfish poisoning toxins in shellfish by using prechromatographic oxidation and liquid chromatography with fluorescence detection

Omurtag GZ// Marmara Univ, Fac Pharm, Dept Pharmaceut Toxicol, TR-81010 Istanbul, Turkey

*J Food Prot* 2001 **64** (7) 1072

Determination of fumonisin B<sub>1</sub> and B<sub>2</sub> in corn and corn-based products in Turkey by high-performance liquid chromatography

Ono EYS, Ono MA, Funo FY, Medina AE, Oliveira TCRM, Kawamura O, Ueno Y, Hirooka EY// State Univ Londrina, CCE, Dept Biochem, POB 6001, BR-86051-990 Londrina, Parana, Brazil

*Food Addit Contam* 2001 **18** (8) 719

Evaluation of fumonisin-aflatoxin co-occurrence in Brazilian corn hybrids by ELISA

Ramstad H, Shen JL, Larsen S, Aune T// Norwegian Sch Vet Sci, Dept Pharmacol Microbiol & Food Hyg, POB 8146, NO-0033 Oslo, Norway

*Toxicol* 2001 **39** (9) 1387

The validity of two HPLC methods and a colorimetric PP2A assay related to the mouse bioassay in quantification of diarrhetic toxins in blue mussels (*Mytilus edulis*)

Ramstad H, Larsen S, Aune T// Address as above.

*Toxicol* 2001 **39** (9) 1393

Repeatability and validity of a fluorimetric HPLC method in the quantification of yessotoxin in blue mussels (*Mytilus edulis*) related to the mouse bioassay

Schnitzius JM, Hill NS, Thompson CS, Craig AM// Oregon State Univ, Coll Vet Med Biochem & Biophys, Dept Biomed Sci, Corvallis, Or 97331, USA

*J Vet Diagn Invest* 2001 **13** (3) 230

Semi-quantitative determination of ergot alkaloids in seed, straw, and digesta samples using a competitive enzyme-linked immunosorbent assay

Soleas GJ, Yan J, Goldberg DM\*// \*Liquor Control Board Ontario, Qual Assurance Dept, 55 Lakeshore Blvd East, Toronto, Ontario, Canada M5E 1A4

*J Agric Food Chem* 2001 **49** (6) 2733

Assay of ochratoxin A in wine and beer by high-pressure liquid chromatography photodiode array and gas chromatography mass selective detection

Stroka J, Anklam E, Joerissen U, Gilbert J// Commiss European Commun, Joint Res Ctr, Inst Hlth & Consumer Protect, IT-21020 Ispra, VA, Italy

*J AOAC Int* 2001 **84** (4) 1116

Determination of aflatoxin B<sub>1</sub> in baby food (infant formula) by immuno-affinity column cleanup liquid chromatography with postcolumn bromination: Collaborative study

Varga J, Rigo K, Teren J, Mesterhazy A// Univ Szeged, Fac Sci, Dept Microbiol, POB 533, HU-6701 Szeged, Hungary

*Cereal Res Commun* 2001 **29** (1-2) 85

Recent advances in ochratoxin research - I. Production, detection and occurrence of ochratoxins

Whitaker TB, Hagler WM, Johansson AS, Giesbrecht FG, Trucksess MW// Nth Carolina State Univ, USDA/ARS, Campus Box 7625, Raleigh, NC 27695, USA

*J AOAC Int* 2001 **84** (3) 770

Distribution among sample test results when testing shelled corn lots for fumonisin

Yeoh HH, Sun F// Natl Univ Singapore, Dept Sci Biol, Kent Ridge, SG-119260 Singapore, Rep Singapore

*Food Chem Toxicol* 2001 **39** (7) 649

Assessing cyanogen content in cassava-based food using the enzyme-dipstick method

## 10. Additives

Dousa M// Ustredni Kontrolni & Zhusebni Ustav Zemedelsky, Regionalni Lab Oddeleni Plzen, Slovanska Alej 20, CZ-31760 Plzen, Czech Republic

*Chem Listy* 2001 **95** (5) 301

Determination of ethopabate in admixture premixes and in animal feeds by HPLC with fluorescence detection. Interlaboratory comparative test of the method (Czech, English Abstract)

Engelen AJ, Van der Heeft FC, Randsdorp PHG\*, Somers WAC, Schaefer J, Van der Vat BJC// \*DSM Food Specialities, R&D Anal, POB 1, NL-2600 MA Delft, The Netherlands

*J AOAC Int* 2001 **84** (3) 629

Determination of phytase activity in feed by a colorimetric enzymatic method: Collaborative interlaboratory study

Papasa S, Jezek D, Kujundzic D// Kras Food Ind, Dept Hlth Regulat & Control, Pierottueva 6, HR-10000 Zagreb, Croatia

*Food Technol Biotechnol* 2001 **39** (2) 129

Determination of sorbitol concentration in diet chocolate by high-performance liquid chromatography

Scotter MJ, Castle L, Appleton GP// MAFF, Cent Sci Lab, Sand Hutton, York YO41 1LZ, England

*Food Chem* 2001 **74** (3) 365

Kinetics and yields for the formation of coloured and aromatic thermal degra-

dition products of annatto in foods

Turnipseed SB, Roybal JE, Pfenning AP, Gonzales SA, Hurlbut JA, Madson MR// US/FDA, Anim Drugs Res Ctr, Denver, Co 80225, USA  
*J AOAC Int* 2001 **84** (3) 640  
LC/MS confirmation of ionophores in animal feeds

## 11. Flavours & aromas

Alonzo G, Saiano F, Tusa N, Del Bosco SF\*// \*CNR, Ist Ric Genet Agrumi, Viale Sci 11, IT-90128 Palermo, Italy  
*Plant Cell Tissue Organ Cult* 2001 **66** (1) 31  
Analysis of volatile compounds released from embryogenic cultures and somatic embryos of sweet oranges by head space SPME

Aznar M, Lopez R, Cacho JF, Ferreira V\*// \*Univ Zaragoza, Fac Sci, Dept Analyt Chem, ES-50009 Zaragoza, Spain  
*J Agric Food Chem* 2001 **49** (6) 2924

Identification and quantification of impact odorants of aged red wines from Rioja. GC-olfactory, quantitative GC-MS, and odor evaluation of HPLC fractions

Brunton NP, Cronin DA\*, Monahan FJ// \*Univ Coll Dublin, Dept Food Sci, Agric Bldg, Belfield, Dublin 4, Rep Ireland  
*Flavour Fragr J* 2001 **16** (4) 294

The effects of temperature and pressure on the performance of Carboxen/PDMS fibres during solid phase microextraction (SPME) of headspace volatiles from cooked and raw turkey breast

Chang HL, Chao GR, Chen CC, Mau JL\*// \*Nat Chung-Hsing Univ, Dept Food Sci, 250 Kuokuang Rd, Taichung 40227, Taiwan  
*Food Chem* 2001 **74** (2) 203

Non-volatile taste components of *Agaricus blazei*, *Antrodia camphorata* and *Cordyceps militaris* mycelia

De Quiros ARB, Lopez-Hernandez J\*, Gonzalez-Castro MJ, De la Cruz-Garcia C, Simal-Lozano J// \*Univ Santiago de Compostela, Fac Pharm, Nutr & Bromatol Dept, Nutr & Bromatol Grp, ES-15706 Santiago de Compostela, La Coruna, Spain  
*Eur Food Res Technol* 2001 **212** (6) 643

Comparison of volatile components in fresh and canned sea urchin (*Paracentrotus lividus*, Lamarck) gonads by GC-MS using dynamic headspace sampling and microwave desorption

Di Cesare LF, Vitale R, Acciarri N, Branca F// IVTPA, via Venezian 26, IT-20133 Milan, Italy  
*Ind Aliment* 2001 **40** (403) 508

The characteristic volatile composition of some horticultural cultivar of broccoli, cauliflower and cabbage grown in Italy (Italian, English Abstract)

Fay LB, Metairon S, Baumgartner M// Nestle Res Ctr, PO Box 44, Vers-chez-les-Blanc, CH-1000 Lausanne 26, Switzerland  
*Flavour Fragr J* 2001 **16** (3) 164

Linearization of second-order calibration curves in stable isotope dilution-mass spectrometry

Fay LB, Yeretzyan C, Blank I// Nestec Ltd, Nestle Res Ctr, Vers Chez Les Blanc, CH-1000 Lausanne, Switzerland  
*Chimia* 2001 **55** (5) 429

Novel mass spectrometry methods in flavour analysis

Frank O, Jezussek M, Hofmann T\*// \*Deutsch Forsch Anstalt Lebensmittel Chem, Lichtenbergstr 4, DE-85748 Garching, Germany  
*Eur Food Res Technol* 2001 **213** (1) 1

Characterisation of novel 1*H*,4*H*-quinolizinium-7-olate chromophores by application of colour dilution analysis and high-speed counter-current chromatography on thermally browned pentose/*t*-alanine solutions

Gerasimov AV// All Russian Res Inst Flavouring Mat Acids & Dyes, Vniipak, Liteinyi pr 55, RU-119104 St Petersburg, Russia  
*J Anal Chem-Engl Tr* 2001 **56** (4) 370

Application of planar chromatography with computer processing of chromatograms to the analysis of flavoring materials using the determination of 4-(4-hydroxyphenyl)-2-butanone (raspberry ketone) as an example

Heikes DL, Scott B, Gorzovallitis NA// Williams Foods Inc, 13301 West 99th St, Lenexa, Ks 66215, USA  
*J AOAC Int* 2001 **84** (4) 1130

Quantitation of volatile oils in ground cumin by supercritical fluid extraction and gas chromatography with flame ionization detection

Holmin S, Spangaus P, Krantz-Rulcker C, Winquist F// Univ Dept Phys & Measure Tech, Swedish Sensor Ctr, S Sence, SE-58183 Linkoping, Sweden  
*Sensor Actuator B-Chem* 2001 **76** (1-3) 455

Compression of electronic tongue data based on voltammetry: A comparative study

Ivarsson P, Holmin S, Hojer NE, Krantz-Rulcker C, Winquist F// Asko Cylinda AB, SE-53482 Vara, Sweden  
*Sensor Actuator B-Chem* 2001 **76** (1-3) 449

Discrimination of tea by means of a voltammetric electronic tongue and different applied waveforms

Jordan MJ, Tillman TN, Mucci B, Laencina J// Univ Murcia, Fac Vet, Dept Food Technol, Campus Univ Espinardo, ES-30071 Murcia, Spain  
*Lebensm-Wiss Technol-Food Sci* 2001 **34** (4) 244

Using HS-SPME to determine the effects of reducing insoluble solids on aromatic composition of orange juice

Komarova NV, Velikanov AA// Analyt Instrument Making Res & Mfg Co Lyumeks, Moskovskii pr 19, RU-198005 St Petersburg, Russia  
*J Anal Chem-Engl Tr* 2001 **56** (4) 359

Determination of volatile *N*-nitrosamines in food by high-performance liquid chromatography with fluorescence detection

Lacoste F, Bosque F, Raoux R// Inst Corps Gras, rue Monge, FR-33600 Pessac, France  
*Ol Corps Gras Lipides* 2001 **8** (1) 78

Is it possible to use an "electronic nose" for the detection of sensorial defects in virgin olive oil?

Lund P, Holmer G\*// \*Tech Univ Denmark, Dept Biochem & Nutr, Bldg 224, DK-2800 Lyngby, Denmark  
*Eur Food Res Technol* 2001 **212** (6) 636

Characterization of volatiles from cultured dairy spreads during storage by dynamic headspace GC/MS

Mielle P, Marquis F// INRA, Lab Rech Aromes, 17 rue Sully, FR-21065 Dijon, France  
*Sensor Actuator B-Chem* 2001 **76** (1-3) 470

One-sensor electronic olfactometer for rapid sorting of fresh fruit juices

Miranda EJM, Nogueira RI, Pontes SM, Rezende CM\*// \*Univ Fed Rio de Janeiro, Inst Quim, Ctr Tecnol, Bloco A, BR-21945-970 Rio de Janeiro, Brazil  
*Flavour Fragr J* 2001 **16** (4) 281

Odour-active compounds of banana passa identified by aroma extract dilution analysis

Ngassoum MB, Jirovetz L\*, Buchbauer G// \*Univ Vienna, Inst Pharmaceut Chem, Althanstr 14, AU-1090 Vienna, Austria  
*Eur Food Res Technol* 2001 **213** (1) 18

SPME/GC/MS analysis of headspace aroma compounds of the Cameroonian fruit *Tetrapleura tetraptera* (Thonn.) Taub

Riva M, Benedetti S, Mannino S// Univ Milan, Dipt Sci & Tecnol Alimentari & Microbiol, via Celoria 2, IT-20133 Milan, Italy  
*Ital J Food Sci* 2001 **13** (2) 201

Shelf life of fresh cut vegetables as measured by an electronic nose: Preliminary study

Royle L, Ames JM\*, Hill CA, Gardner DSI// Univ Reading, Sch Food Biosci, Whiteknights, Reading RG6 6AP, England  
*Food Chem* 2001 **74** (2) 225

Analysis of hop acids by capillary electrophoresis

Soto-Ayala R, Luque de Castro MD\*// \*Univ Cordoba, Anal Chem Div, Annex C3, Campus Rabanales, ES-14071 Cordoba, Spain  
*Food Chem* 2001 **75** (1) 109

Continuous subcritical water extraction as a useful tool for isolation of edible essential oils

Van Ruth SM, O'Connor CH// Natl Univ Ireland, Univ Coll Cork, Dept Food Sci & Technol, Western Rd, Cork, Rep Ireland  
*Eur Food Res Technol* 2001 **213** (1) 77

Influence of assessors' qualities and analytical conditions on gas chromatography-olfactometry analysis

Van Ruth SM, O'Connor CH// Address as above.

*Food Chem* 2001 **74** (3) 341  
Evaluation of three gas chromatography-olfactometry methods: Comparison of odour intensity-concentration relationships of eight volatile compounds with sensory headspace data

Veloso MCD, Da Silva VM, De Andrade JB\*// \*Ctr Fed Educ Tecnol, Bahia Blanca, Argentina  
*J Chromatogr Sci* 2001 **39** (5) 173

Determination of aldehydes in fish by high-performance liquid chromatography

Yang MH, Choong YM\*// \*Ta-Jen Inst Technol, Dept Food Sanit, 20 Wei-Shin Rd, Yan-Puu Hsiang, Pintung Hsien, Taiwan  
*Food Chem* 2001 **75** (1) 101

A rapid gas chromatographic method for direct determination of short-chain (C<sub>2</sub>-C<sub>12</sub>) volatile organic acids in foods

Zeppa G, Conterno L, Gerbi V// Univ Turin, Dipt Valorizzazione & Protec-



zione Risorse Agroforestali, Settore Microbiol & Ind Agr, IT-10095 Turin, Italy

*J Agric Food Chem* 2001 **49** (6) 2722

Determination of organic acids, sugars, diacetyl, and acetoin in cheese by high-performance liquid chromatography

Zielinski TL, Smith SA, Pestka JJ, Gray JI, Smith DM\*// \*Univ Idaho, Dept Food Sci & Toxicol, Box 442201, Moscow, Id 83844, USA

*J Agric Food Chem* 2001 **49** (6) 3017

ELISA to quantify hexanol-protein adducts in a meat model system

## 12. Organic acids

Cunha SC, Ferreira IMPLVO\*, Fernandes JO, Faria MA, Beatriz M, Oliveira PP, Ferreira MA// \*Univ Porto, Fac Farm CEQUP, Serv Bromatol, R Anibal Cunha 164, PT-4050-047 Oporto, Portugal

*J Liq Chromatogr Relat Technol* 2001 **24** (7) 1029

Determination of lactic, acetic, succinic, and citric acids in table olives by HPLC/UV

Giumanini AG, Verardo G, Della Martina D, Toniutti N// Univ Udine, Dept Chem Sci & Technol, IT-33100 Udine, Italy

*J Agric Food Chem* 2001 **49** (6) 2875

Improved method for the analysis of organic acids and new derivatization of alcohols in complex natural aqueous matrixes: Application to wine and apple vinegar

Hermann A// Inst Lebensmittelchem, Landesuntersuchungsamt, Rheinland Pfalz, Nikolaus von Weis Str 1, DE-67346 Speyer, Germany

*Eur Food Res Technol* 2001 **212** (6) 683

Determination of D/H isotope ratio in acetic acid from vinegars and pickled products by <sup>2</sup>H-NMR-spectroscopy

Kordis-Krapez M, Abram V, Kac M, Ferjancic S// BIA doo, Teslova 30, SL-1000 Ljubljana, Slovenia

*Food Technol Biotechnol* 2001 **39** (2) 93

Determination of organic acids in white wines by RP-HPLC

## 13. Animal products

Anklam E, Radovic B// Commiss Eur Communities, Inst Hlth & Consumer Protect, Joint Res Ctr, Food Prod Unit, IT-21010 Ispra, Italy

*Am Lab* 2001 **33** (10) 60

Suitable analytical methods for determining the origin of European honey

Asensio L, Gonzalez I\*, Fernandez A, Cespedes A, Rodriguez MA, Hernandez PE, Garcia T, Martin R// \*Univ Complutense Madrid, Fac Vet, Dept Nutr & Bromatol Hyg & Tecnol Alimentos III, ES-28040 Madrid, Spain

*J AOAC Int* 2001 **84** (3) 777

Identification of Nile perch (*Lates niloticus*), grouper (*Epinephelus guaza*), and wreck fish (*Polyprion americanus*) fillets by PCR amplification of the 5S rDNA gene

Bania J, Ugorski M, Polanowski A, Adameczyk E// Ctr Immunol Marseille Luminy, Case 906, FR-13288 Marseille 9, France

*J Dairy Res* 2001 **68** (2) 333

Application of polymerase chain reaction for detection of goats' milk adulteration by milk of cow

Dvorak P, Musilova H, Svarcova I// Univ Vet & Pharmacol Sci, Fac Vet Hyg & Ecol, Dept Biochem & Biophys, Palackeho 1-3, CZ-61242 Brno, Czech Republic

*Fleischwirtschaft* 2001 **81** (7) 89

On-line measurements of colour of pork (German, English Abstract)

Fenaille F, Mottier P, Turesky RJ, Ali S, Guy PA\*// \*Nestec Ltd, Nestle Res Ctr, Dept Qual & Safety Assurance, Vers-chez-les-Blanc, CH-1000 Lausanne 26, Switzerland

*J Chromatogr A* 2001 **921** (2) 237

Comparison of analytical techniques to quantify malondialdehyde in milk powders

Ferreira IMPLVO, Mendes E, Gomes AMP, Faria MA, Ferreira MA// Univ Porto, Fac Farm, CEQUP/Lab Bromatol, Rua Anibal Cunha, PT-4050 Porto, Portugal

*Food Chem* 2001 **74** (2) 239

The determination and distribution of nucleotides in dairy products using HPLC and diode array detection

Keener KM, La Crosse JD, Babson JK// Nth Carolina State Univ, Dept Food Sci, Box 7624, Raleigh, NC 27695, USA

*Poult Sci* 2001 **80** (7) 983

Chemical method for determination of carbon dioxide content in egg yolk and

egg albumen

Le Dean A, Mariette F, Lucas T, Marin M// CEMAGREF, Food Proc Res Unit, 17 Ave Cuculle, CS 64427, FR-35044 Rennes, France

*Lebensm Wiss Technol Food Sci* 2001 **34** (5) 299

Assessment of the state of water in reconstituted milk protein dispersions by nuclear magnetic resonance (NMR) and differential scanning calorimetry (DSC)

Perrin C, Meyer L, Mujahid C, Blake CJ// Nestle Res Ctr, Dept Qual & Safety Assurance, PO Box 44, Vers-chez-les-Blanc, CH-1000 Lausanne 26, Switzerland

*Food Chem* 2001 **74** (2) 245

The analysis of 5'-mononucleotides in infant formulae by HPLC

Rodriguez MA, Garcia T\*, Gonzalez I, Asensio L, Fernandez A, Lobo E, Hernandez PE, Martin R// \*Univ Complutense Madrid, Fac Vet, Dept Nutr & Bromatol 3, ES-28040 Madrid, Spain

*J Agric Food Chem* 2001 **49** (6) 2717

Identification of goose (*Anser anser*) and mule duck (*Anas platyrhynchos x Cairina moschata*) foie gras by multiplex polymerase chain reaction amplification of the 5S rDNA gene

Swan JE, Parrish FC\*, Wiegand BR, Larsen ST, Baas TJ, Berg EP// \*Iowa State Univ, Dept Anim Sci, Meat Lab, Ames, Ia 50011, USA

*J Anim Sci* 2001 **79** (6) 1475

Total body electrical conductivity (TOBEC) measurement of compositional differences in hams, loins, and bellies from conjugated linoleic acid (CLA)-fed stress-genotype pigs

Valle PS, Martin SW, Skjerve E// Post Box 2038, NO-6402 Molde, Norway

*Prev Vet Med* 2001 **50** (1-2) 71

A Bayesian approach to estimating the performance of a bovine virus diarrhoea virus (BVDV) antibody ELISA bulk-tank milk test

Welch MJ, Colbert JC, Gill LM, Phinney CS, Sharpless KE, Sniegoski LT, Wood LJ// US Dept Commerce, NIST, Div Analyt Chem, Chem Sci & Technol Lab, Gaithersburg, Md 20899, USA

*Fresenius J Anal Chem* 2001 **370** (1) 42

The certification of SRM 1546-Meat homogenate, a new reference material for nutrients in a high protein, high fat matrix

Wijngaards G// TNO, Inst Ernährungsforsch, Unit Prot Technol, Postfach 360, NL-3700 AJ Zeist, The Netherlands

*Fleischwirtschaft* 2001 **81** (7) 21

Problems with enzyme-linked immunosorbent assays for meat identification (German, English Abstract)

## 14. Plant & microbial

Amarowicz R, Shahidi F, Pegg RB// Polish Acad Sci, Inst Anim Reprod & Food Res, Div Food Sci, ul Tuwima 10, POB 55, PL-10718 Olsztyn 5, Poland

*J Food Lipids* 2001 **8** (2) 85

Application of semipreparative RP-18 HPLC for the purification of sesamin and sesamol

Arnao MB// Univ Murcia, Fac Biol Dept Biol Vegetal, Campus Espinardo, ES-30100 Murcia, Spain

*Trends Food Sci Technol* 2000 **11** (11) 419

Some methodological problems in the determination of antioxidant activity using chromogen radicals: A practical case

Bacigalupo MA, Ius A, Simoni P, Piazza F, Roda A\*, Satchell KDR// \*Univ Bologna, Dept Pharmaceut Sci, IT-40126 Bologna, Italy

*Fresenius J Anal Chem* 2001 **370** (1) 82

Analytical performance of luminescent immunoassays of different format for serum daidzein analysis

Bendini A, Toschi TG, Lercker G// Univ Bologna, Ist Ind Agr, via S Giacomo 7, IT-40126 Bologna, Italy

*Ind Aliment* 2001 **40** (403) 525

Determination of the antioxidant activity of vegetable extracts by Oxidative Stability Instrument (OSI) (Italian, English Abstract)

Calegario FF, Cosso RG, Almeida FV, Vercesi AE, Jardim WF\*// \*Univ Estadual Campinas, Inst Quim, CP 6154, BR-13083-970 Campinas, SP, Brazil

*Postharvest Biol Technol* 2001 **22** (3) 249

Determination of the respiration rate of tomato fruit using flow analysis

Caudle AG, Gu YF, Bell LN\*// \*Auburn Univ, Dept Nutr & Food Sci, 328 Spidle Hall, Auburn, Al 36849, USA

*Food Res Int* 2001 **34** (7) 599

Improved analysis of theobromine and caffeine in chocolate food products formulated with cocoa powder

Champagne ET, Bett-Garber KL, Grimm CC, McClung AM, Moldenhauer

- KA, Linscombe S, McKenzie KS, Barton FE// USDA/ARS, Sthn Reg Res Ctr, POB 19687, New Orleans, La 70179, USA  
*Cereal Chem* 2001 **78** (3) 358  
 Near-infrared reflectance analysis of prediction of cooked rice texture
- Cserhati T, Forgacs E, Morais MH, Mota T, Ramos AC// Hungarian Acad Sci, Chem Res Ctr, Inst Chem, POB 17, HU-1525 Budapest, Hungary  
*J Liq Chromatogr Relat Technol* 2001 **24** (3) 425  
 Separation of color pigments of chili powder on narrow-bore HPLC columns. A comparison
- Cserhati T, Forgacs E, Morais MH, Moto T, Ramos AC// Hungarian Acad Sci, Inst Chem, Chem Res Ctr, POB 17, HU-1525 Budapest, Hungary  
*Chem Anal* 2001 **46** (3) 361  
 Study on the stability of colour pigments of paprika (*Capsicum annuum*) powders by multiwavelength spectrometry and HPLC
- Ferrio JP, Bertran E, Nachit M, Royo C, Araus JL\*// \*Univ Barcelona, Fac Biol, Unitat Fisiol Vegetal, Avda Diagonal 645, ES-08028 Barcelona, Spain  
*Aust J Agric Res* 2001 **52** (8) 809  
 Near infrared reflectance spectroscopy as a potential surrogate method for the analysis of  $\Delta^{13}\text{C}$  in mature kernels of durum wheat
- Fraser DG, Kunemeyer R, McGlone VA, Jordan RB// Univ Waikato, Dept Phys & Elect Engr, Private Bag 3105, Hamilton, New Zealand  
*Postharvest Biol Technol* 2001 **22** (3) 191  
 Near infra-red (NIR) light penetration into an apple (Letter)
- Gnayfeed MH, Daoood HG\*, Illes V, Biacs PA// \*Cent Res Res Inst, Herman Otto u15, HU-1022 Budapest, Hungary  
*J Agric Food Chem* 2001 **49** (6) 2761  
 Supercritical CO<sub>2</sub> and subcritical propane extraction of pungent paprika and quantification of carotenoids, tocopherols, and capsaicinoids
- Hammond DA// Univ Reading, Reading Sci Serv Ltd, Lord Zuckerman Res Ctr, Reading RG6 6LA, England  
*J AOAC Int* 2001 **84** (3) 964  
 Synergy between liquid chromatographic-pulsed amperometric detection and capillary-gas chromatographic methods for the detection of juice adulteration
- Kulevanova S, Stefova M, Stefkov G, Stafilov T// Fac Pharm, Inst Pharmacognosy, Vodnjanska 17, Skopje 1000, Macedonia  
*J Liq Chromatogr Relat Technol* 2001 **24** (4) 589  
 Identification, isolation, and determination of flavones in *Origanum vulgare* from Macedonian flora
- Lammertyn J, Peirs A, De Baerdemaeker J, Nicolai BM// Katholieke Univ Leuven, Lab Postharvest Technol, Willem de Croylaan 42, BE-3001 Louvain, Belgium  
*Postharvest Biol Technol* 2001 **22** (3) 194  
 NIR light penetration into fruit: A critical appraisal of measurement methodologies (Letter)
- Lauren DR, Jensen DJ, Douglas JA, Follett JM// Horticult & Food Res Inst, Ruakura Res Ctr, Private Bag 3123, Hamilton, New Zealand  
*Phytochem Anal* 2001 **12** (5) 332  
 Efficient method for determining the glycyrrhizin content of fresh and dried roots, and root extracts, of *Glycyrrhiza* species
- Li CA, Meng XF, Winnik B, Lee MJ, Lu H, Sheng SQ, Buckley B, Yang CS\*// \*Rutgers State Univ, Coll Pharm, Canc Res Lab, Piscataway, NJ 08854, USA  
*Chem Res Toxicol* 2001 **14** (6) 702  
 Analysis of urinary metabolites of tea catechins by liquid chromatography/electrospray ionization mass spectrometry
- Lombaert GA, Siemens KH, Pellaers P, Mankotia M, Ng W// Hlth Canada, Hlth Prod & Food Branch, 510 Lagimodiere Blvd, Winnipeg, Manitoba, Canada R2J 3Y1  
*J AOAC Int* 2001 **84** (4) 1135  
 Furanocoumarins in celery and parsnips: Method and multiyear Canadian survey
- Long H, Zhu YX, Huang YH, Coury LA, Kissing PT\*// \*Bioanalyt Syst Inc, 2701 Kent Ave, West Lafayette, In 47906, USA  
*J Liq Chromatogr Relat Technol* 2001 **24** (8) 1105  
 Identification and determination of polyphenols in tea by liquid chromatography with multichannel electrochemical detection
- Matsuoka T, Kuribara H, Suefujii S, Miura H, Kusakabe Y, Akiyama H, Goda Y, Isshiki K, Toyoda M, Hino A\*// \*MAFF, Natl Food Res Inst, 2-1-2 Kannondai, Tsukuba, Ibaraki 305 8642, Japan  
*J Food Hyg Soc Jpn* 2001 **42** (3) 197  
 A detection method for recombinant DNA from genetically modified maize CBH351 (Japanese, English Abstract)
- Merken HM, Merken CD, Beecher GR\*// \*USDA/ARS, Beltsville Human Nutr Res Ctr, Food Compos Lab, Beltsville, Md 20705, USA  
*J Agric Food Chem* 2001 **49** (6) 2727  
 Kinetics method for the quantitation of anthocyanidins, flavonols, and flavones in foods
- Mueller-Harvey I// Univ Reading, Dept Agr, POB 236, Reading, RG6 6AT, England  
*Anim Feed Sci Technol* 2001 **91** (1-2) 3  
 Analysis of hydrolysable tannins
- O'Flaherty B, Yang WP, Sengupta S, Cholli AL\*// \*Univ Massachusetts-Lowell, Ctr Advan Mat, One Univ Ave, Lowell, Ma 01854, USA  
*Food Chem* 2001 **74** (1) 111  
 Fast detection of anionic components in sugar and wine samples using a novel device based on capillary zone electrophoresis
- Pascual-Marti MC, Salvador A, Chafer A, Berna A// Univ Valencia, Dept Quim Analit, ES-46100 Valencia, Spain  
*Talanta* 2001 **54** (4) 735  
 Supercritical fluid extraction of resveratrol from grape skin of *Vitis vinifera* and determination by HPLC
- Peterson DM, Budde AD, Henson CA, Jones BL// Univ Wisconsin, USDA/ARS, 501 Walnut St, Madison, WI 53705, USA  
*Cereal Chem* 2001 **78** (3) 349  
 Detecting corn syrup in barley malt extracts
- Reilly CA, Crouch DJ, Yost GS// Univ Utah, Dept Pharmacol & Toxicol, Ctr Human Toxicol, 20 Sth 2030 East, Rm 490, Salt Lake City, Ut, USA  
*J Forensic Sci* 2001 **46** (3) 502  
 Quantitative analysis of capsaicinoids in fresh peppers, oleoresin capicum and pepper spray products
- Ritter B, Schulte J, Schulte E\*, Thier HP// \*Univ Munster, Inst Food Chem, Corrensstr 45, DE-48149 Munster, Germany  
*Eur Food Res Technol* 2001 **212** (5) 603  
 Detection of coating waxes on apples by differential scanning calorimetry
- Rouxel C, Bonnabeze E, Daniel A, Jerome M, Etienne M, Fleurence J\*// \*IFREMER, Lab Biochim Proteines & Qual, BP 21105, FR-44311 Nantes, France  
*J Appl Phycol* 2001 **13** (3) 215  
 Identification by SDS PAGE of green seaweeds (*Ulva* and *Enteromorpha*) used in the food industry
- Saito A, Sugisawa A, Umegaki K// Hokkaido Inst Publ Hlth, Kita ku, N 19 W 12, Sapporo, Hokkaido 060 081, Japan  
*J Food Hyg Soc Jpn* 2001 **42** (3) 174  
 Comparison of photometric, electrochemical and post-column fluorescence detection for the determination of flavonoids by HPLC (Japanese, English Abstract)
- Schropp P, Stempf W// Doemens WBA Technikum GmbH, Stefanusstr 8, DE-82166 Munich, Germany  
*Monatsschr Brauwissen* 2001 **54** (5-6) 119  
 Evaluation of analytical quality parameters for beer (German, English Abstract)
- Subagio A, Sari P, Mortia N\*// \*Osaka Prefecture University, Grad School Agric & Biol Sci, Lab Food Chem, Gakuencho 1-1, Sakai, Osaka 599 8531, Japan  
*Phytochem Anal* 2001 **12** (4) 271  
 Simultaneous determination of (+)-catechin and (-)-epicatechin in cacao and its products by high-performance liquid chromatography with electrochemical detection
- Terasaki S, Wada N, Sakurai N\*, Muramatsu N, Yamamoto R, Nevins DJ// \*Hiroshima Univ, Fac Integrated Arts & Sci, Dept Environm Studies, Higashi-Hiroshima 724, Japan  
*Trans ASAE* 2001 **44** (1) 81  
 Nondestructive measurement of kiwifruit ripeness using a laser Doppler vibrometer
- Troyer JK, Stephenson KK, Fahey JW\*// \*Johns Hopkins Sch Med, Dept Pharmacol & Mol Sci, 725 Nth Wolfe St, Baltimore, Md 21205, USA  
*J Chromatogr A* 2001 **919** (2) 299  
 Analysis of glucosinolates from broccoli and other cruciferous vegetables by hydrophilic interaction liquid chromatography
- Vrhovsek U, Mattivi F, Waterhouse AL// Agr Inst Slovenia, Hacquetova 17, SI-1000 Ljubljana, Slovenia  
*Vitis* 2001 **40** (2) 87  
 Analysis of red wine phenolics: Comparison of HPLC and spectrophotometric methods
- Wright LP, Aucamp JP, Apostolides Z\*// \*Univ Pretoria, Dept Biochem, ZA-0002 Pretoria, Rep Sth Africa  
*J Chromatogr A* 2001 **919** (1) 205  
 Analysis of black tea theaflavins by non-aqueous capillary electrophoresis