

## Bibliography of analytical, nutritional and clinical methods

(4 weeks journals. Search completed at 27th. March 2002)

### 1. Books, reviews & symposia

Anklam E, Gadani F, Heinze P, Pijnenburg H, Van den Eede G// Commiss European Communities, Joint Res Ctr, Inst Hlth & Consumer Protect, IT-21020 Ispra, Italy

*Eur Food Res Technol* 2002 **214** (1) 3

Analytical methods for detection and determination of genetically modified organisms in agricultural crops and plant-derived food products (Review)

Dainty JR// AFRC Inst Food Res, Colney Lane, Norwich NR4 7UA, England  
*Nutr Res Rev* 2001 **14** (2) 295

Use of stable isotopes and mathematical modelling to investigate human mineral metabolism

Dobson G, Christie WW// Scottish Crop Res Inst, Dundee DD2 5DA, Scotland

*Eur J Lipid Sci Technol* 2002 **104** (1) 36

Mass spectrometry of fatty acid derivatives

Ekmekcioglu C// Univ Vienna, Med Sch, Dept Physiol, Schwarzschanerstr 17, AU-1090 Vienna, Austria

*Food Chem* 2002 **76** (2) 225

A physiological approach for preparing and conducting intestinal bioavailability studies using experimental systems

Hernandez-Arteseros JA, Barbosa J, Compano R\*, Prat MD// \*Univ Barcelona, Dept Quim Analit, Avda Diagonal 647, ES-08028 Barcelona, Spain

*J Chromatogr A* 2002 **945** (1-2) 1

Analysis of quinolone residues in edible animal products (Review)

Jackson GS, Weaver C, Elmore D\*// \*Purdue Univ, Dept Phys, West Lafayette, IN 47907, USA

*Nutr Res Rev* 2001 **14** (2) 317

Use of accelerator mass spectrometry for studies in nutrition

Laakso P// Raisio Benecol Ltd, POB 101, FI-21201 Raisio, Finland

*Eur J Lipid Sci Technol* 2002 **104** (1) 43

Mass spectrometry of triacylglycerols

Nauck M, Warnick GR, Rifai N// Univ Hosp Freiburg, Dept Clin Chem, Hugstetter Str 55, DE-79106 Freiburg, Germany

*Clin Chem* 2002 **48** (2) 236

Methods for measurement of LDL-cholesterol: A critical assessment of direct measurement by homogeneous assays *versus* calculation (Review)

Venugopal V// Bhabha Atomic Res Ctr, Div Food Technol, IN-400 085 Mumbai, India

*Biosens Bioelectron* 2002 **17** (3) 147

Biosensors in fish production and quality control (Review)

### 3. Amino acids, proteins & enzymes

Charlwood J, Hanrahan S, Tyldesley R, Langridge J, Dwek M, Camilleri P\*// \*GlaxoSmithKline, New Frontiers Sci Pk, 3rd Ave, Harlow CM19 5AW, England

*Anal Biochem* 2002 **301** (2) 314

Use of proteomic methodology for the characterization of human milk fat globular membrane proteins

Groleau PE, Jimenez-Flores R, Gauthier SF, Pouliot Y\*// \*Univ Laval, Ctr Rech Sci & Technol Lait - STELA, Pavillon Paul Comtois, Quebec City, Que-

bec, Canada G1K 7P4

*J Agric Food Chem* 2002 **50** (3) 578

Fractionation of  $\beta$ -lactoglobulin tryptic peptides by ampholyte-free isoelectric focusing

Reyes-de Corcuera JI, Cavalieri RP\*, Powers JR// \*Washington State Univ, Dept Biol Syst Engr, Pullman, Wa 99164, USA

*J Agric Food Chem* 2002 **50** (5) 997

Improved amperometric method for the rapid and quantitative measurement of lipoxygenase activity in vegetable tissue crude homogenates

Snowden MK, Baxter JH, Bergana MM, Reyzer I, Pound V// Abbott Labs, Ross Prod Div, 3300 Stelzer Rd, Columbus, Oh 43219, USA

*J Food Sci* 2002 **67** (1) 384

Stability of *N*-acetylglutamine and glutamine in aqueous solution and in a liquid nutritional product by an improved HPLC method

Sogi DS, Arora MS, Garg SK, Bawa AS// Guru Nanak Dev Univ, Dept Food Sci & Technol, Amritsar, India

*Food Chem* 2002 **76** (4) 449

Fractionation and electrophoresis of tomato waste seed proteins

### 4. Carbohydrates

Cocciardi RA, Ismail AA, Van de Voort FR, Sedman J// McGill Univ, Dept Food Sci & Agr Chem, MacDonald Campus, 21 111 Lakeshore Rd, St Anne de Bellevue, Quebec, Canada H9X 3V9

*Milchwissenschaft* 2002 **57** (2) 90

A rapid Fourier transform infrared quality control method for the determination of lactose, sucrose, fat and total solids in chocolate milk

Kunz M, Martin D, Puke H// Sudzucker AG, Zentral Abt Forsch Entwicklung & Serv, Postfach 1127, DE-67261 Grunstadt, Germany

*Zuckerindustrie* 2002 **127** (1) 13

Precision of beet analyses in Germany explained for polarization (German, English Abstract)

Paradkar MM, Irudayaraj J\*// Pennsylvania State Univ, Dept Agr & Biol Engr, 227 Agr Engr Bldg, University Park, Pa 16802, USA

*Food Chem* 2002 **76** (2) 231

Discrimination and classification of beet and cane inverts in honey by FT-Raman spectroscopy

Schaffler K// Univ Natal, Sugar Milling Res Inst, ZA-4041 Durban, Rep Sth Africa

*J AOAC Int* 2002 **85** (1) 95

Determination of low-level glucose and fructose in raw and refined crystalline sugar by high performance anion-exchange chromatography: Collaborative study

Uzochukwu S, Balogh E, Loeffler RT, Ngoddy PO// Univ Agr, Dept Food Sci & Technol, Abeokuta, Nigeria

*Food Chem* 2002 **76** (3) 287

Structural analysis by <sup>13</sup>C-nuclear magnetic resonance spectroscopy of glucan extracted from natural palm wine

### 5. Lipids

Aktas N, Kaya M// Ataturk Univ, Coll Agr, Dept Food Engr, TR-25240

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.

- Erzurum, Turkey  
*J Therm Anal Calorim* 2001 **66** (3) 795  
 Detection of beef body fat and margarine in butterfat by differential scanning calorimetry
- Alonso L, Fraga MJ, Juarez M\*, Carmona P// \*CSIC, Inst Frio, Ciudad Univ s/n, ES-28040 Madrid, Spain  
*J Am Oil Chem Soc* 2002 **79** (1) 1  
 Fatty acid composition of Spanish shortenings with special emphasis on *trans* unsaturation content as determined by Fourier transform infrared spectroscopy and gas chromatography
- Andersen ML, Skibsted LH\*\*// \*Royal Vet & Agr Univ, Dept Dairy & Food Sci, Rolighedsvej 30, DK-1958 Frederiksberg C, Denmark  
*Eur J Lipid Sci Technol* 2002 **104** (1) 65  
 Detection of early events in lipid oxidation by electron spin resonance spectroscopy
- Angioni E, Lercker G, Frega NG, Carta G, Melis MP, Murru E, Spada S, Banni S\*\*// \*Univ Cagliari, Dipt Biol Sperimentale, Sez Patol Sperimentale, Cittadella Univ, IT-09042 Cagliari, Italy  
*Eur J Lipid Sci Technol* 2002 **104** (1) 59  
 UV spectral properties of lipids as a tool for their identification
- Bairaktari E, Elisaf M, Tzallas C, Karabina SA, Tselepis AD, Siamopoulos KC, Tsolas O// Univ Ioannina, Univ Hosp, Sch Med, Biochem Lab, GR-45000 Ioannina, Greece  
*Clin Biochem* 2001 **34** (8) 593  
 Evaluation of five methods for determining low-density lipoprotein cholesterol (LDL-C) in hemodialysis patients
- Bucci R, Magri AD, Magri AL, Marini D, Marini F\*\*// \*Univ Roma La Sapienza, Dipt Chim, Ple A Moro 5, IT-00185 Rome, Italy  
*J Agric Food Chem* 2002 **50** (3) 413  
 Chemical authentication of extra virgin olive oil varieties by supervised chemometric procedures
- Destaillets F, Arul J, Simon JE, Wolff RL, Angers P\*\*// \*Univ Laval, Dept Food Sci & Nutr, St Foy, Quebec, Canada G1K 7P4  
*Lipids* 2002 **37** (1) 111  
 Dibutylate derivatization of monoacylglycerols for the resolution of regioisomers of oleic, petroselinic, and *cis*-vaccenic acids
- Doleschall F, Kemeny Z, Recseg K, Kovari K// Kvassay Jenó ut 1, HU-1095 Budapest, Hungary  
*Eur J Lipid Sci Technol* 2002 **104** (1) 14  
 A new analytical method to monitor lipid peroxidation during bleaching
- Forgacs E, Cserhati T// Hungarian Acad Sci, Inst Chem, Chem Res Ctr, POB 17, HU-1525 Budapest, Hungary  
*J Sep Sci* 2002 **25** (1-2) 101  
 Effect of salts and pH on the binding of amino acids to sunflower oil studied by reversed-phase thin-layer chromatography
- Kurvinen JP, Sjøvall O, Kallio H// Univ Turku, Dept Biochem & Food Chem, FI-20014 Turku, Finland  
*J Am Oil Chem Soc* 2002 **79** (1) 13  
 Molecular weight distribution and regioisomeric structure of triacylglycerols in some common human milk substitutes
- Lanteri S, Armanino C, Perri E, Palopoli A// Univ Genova, Dept Chim & Tecnol Farmaceut & Aliment, via Brigata Salerno, IT-16147 Genova, Italy  
*Food Chem* 2002 **76** (4) 501  
 Study of oils from Calabrian olive cultivars by chemometric methods
- Liu KZ, Shaw RA, Man A, Dembinski TC, Mantsch HH// Natl Res Council Canada, Inst Biodiagnost, 435 Ellice Ave, Winnipeg, Manitoba, Canada R3B 1Y6  
*Clin Chem* 2002 **48** (3) 499  
 Reagent-free, simultaneous determination of serum cholesterol in HDL and LDL by infrared spectroscopy
- Lorenzo IM, Pavon JLP, Laespada MEF, Pinto CG, Cordero BM\*\*// \*Univ Salamanca, Fac Quim, Dept Quim Analit Nutr & Bromatol, Pl Caidos s/n, ES-37008 Salamanca, Spain  
*J Chromatogr A* 2002 **945** (1-2) 221  
 Detection of adulterants in olive oil by headspace-mass spectrometry
- Luque-García JL, Velasco J, Dobarganes MC, Luque de Castro MD\*\*// \*Univ Cordoba, Analyt Chem Div, Annex C-3, Campus Rabanales, ES-14071 Cordoba, Spain  
*Food Chem* 2002 **76** (2) 241  
 Fast quality monitoring of oil from prefried and fried foods by focused microwave-assisted Soxhlet extraction
- Marikkar JMN, Lai OM\*, Ghazali HM, Che-Man YB// \*Univ Putra Malaysia, Fac Food Sci & Biotechnol, Dept Biotechnol, MY-43400 UPM, Serdang, Selangor, Malaysia  
*Food Chem* 2002 **76** (2) 249  
 Compositional and thermal analysis of RBD palm oil adulterated with lipase-catalyzed interesterified lard
- Miller WG, Waymack PP, Anderson FP, Ethridge SF, Jayne EC// Virginia Commonwealth Univ, 401 Nth 13th St, Richmond, Va 23219, USA  
*Clin Chem* 2002 **48** (3) 489  
 Performance of four homogeneous direct methods for LDL-cholesterol
- Nomikos T, Karantonis HC, Fragopoulou E, Demopoulos CA\*\*// \*39 Anafis Str, GR-11364 Athens, Greece  
*J Liq Chromatogr Relat Technol* 2002 **25** (1) 137  
 One-step separation system for the main phospholipids, glycolipids, and phenolics by normal phase HPLC. Application to polar lipid extracts from olive and sunflower oils
- Park SJ, Park CW, Kim SJ, Kim JK, Kim YR, Park KA, Kim JO, Ha YL\*\*// \*Gyeongsang Natl Univ, Grad Sch, Div Appl Life Sci, Chinju 660701, South Korea  
*J Agric Food Chem* 2002 **50** (5) 989  
 Methylation methods for the quantitative analysis of conjugated linoleic acid (CLA) isomers in various lipid samples
- Quiles JL, Ramirez-Tortosa MC, Gomez JA, Huertas JR, Mataix J// Univ Granada, Inst Nutr & Food Technol, Ramon y Cajal 4, ES-18071 Granada, Spain  
*Food Chem* 2002 **76** (4) 461  
 Role of vitamin E and phenolic compounds in the antioxidant capacity, measured by ESR, of virgin oil, olive and sunflower oils after frying
- Satchithanandam S, Fritsche J, Rader JI// US FDA, Off Nutr Prod Labeling & Dietary Supplements, HFS-840 200 C St SW, Washington, DC 20204, USA  
*J AOAC Int* 2002 **85** (1) 86  
 Gas chromatographic analysis of infant formulas for total fatty acids, including *trans* fatty acids
- Stein JH, Carlsson CM, Papcke-Benson K, Einerson JA, McBride PE, Wiebe DA// Univ Wisconsin Hosp & Clin, 600 Highland Ave, MC 3248, Madison, WI 53792, USA  
*Clin Chem* 2002 **48** (2) 284  
 Inaccuracy of lipid measurements with the portable Cholestech LDX analyzer in patients with hypercholesterolemia
- Tan CP, Che Man YB\*, Selamat J, Yusoff MSA// \*Univ Putra Malaysia, Fac Food Sci & Biotechnol, Dept Food Technol, MY-43400 UPM, Serdang, Selangor, DE, Malaysia  
*Food Chem* 2002 **76** (3) 385  
 Comparative studies of oxidative stability of edible oils by differential scanning calorimetry and oxidative stability index methods
- Toivo J, Phillips K, Lampi AM, Piironen V// Natl Technol Agcy Finland Tekes, POB 69, FI-00101 Helsinki, Finland  
*J Food Compos Anal* 2001 **14** (6) 631  
 Determination of sterols in foods: Recovery of free, esterified, and glycosidic sterols
- Vlahov G, Chepkwony PK, Ndalut PK// Ist Sperimentale Elaiotecn, Contrada Fonte Umano, IT-65013 Citta S Angelo, Pescara, Italy  
*J Agric Food Chem* 2002 **50** (5) 970  
<sup>13</sup>C NMR characterization of triacylglycerols of *Moringa oleifera* seed oil: An "oleic-vaccenic acid" oil
- Xu XH, Li RK, Chen J, Chen P, Ling XY, Rao PF\*\*// \*Fuzhou Univ, Inst Biotechnol, 523 Gongye Rd, CN-25002 Fujian, Peoples Rep China  
*J Chromatogr B* 2002 **768** (2) 369  
 Quantification of cholesterol in foods using non-aqueous capillary electrophoresis

## 6. Vitamins & co-factors

- Almagro I, San Andres MP, Vera S\*\*// \*Univ Alcalá de Henares, Fac Quim, Dept Quim Analit, ES-28871 Alcalá de Henares, Spain  
*Chromatographia* 2002 **55** (3-4) 185  
 Determination of water-soluble vitamins in pharmaceutical preparations by reversed-phase high-performance liquid chromatography with a mobile phase containing sodium dodecylsulphate and *n*-propanol
- Castelletti L, Piletsky SA, Turner APF, Righetti PG, Bossi A\*\*// \*Univ Verona, Dept Sci & Technol, Strada Grazie 15, IT-37134 Verona, Italy  
*Electrophoresis* 2002 **23** (2) 209  
 Development of an integrated capillary electrophoresis/sensor for L-ascorbic acid detection
- Chung WY, Chung JKO, Szeto YT, Tomlinson B, Benzie IFF\*\*// \*Hong Kong

Polytech Univ, Dept Nursing & Hlth Sci, Kowloon, Hong Kong, Peoples Rep China

*Clin Biochem* 2001 **34** (8) 623

Plasma ascorbic acid: Measurement, stability and clinical utility revisited

Edwards AJ, Nguyen CH, You CS, Swanson JE, Emenhiser C, Parker RS// \*Cornell Univ, Div Nutr Sci, Ithaca, NY 14853, USA

*J Nutr* 2002 **132** (2) 159

$\alpha$ - and  $\beta$ -Carotene from a commercial carrot puree are more bioavailable to humans than from boiled-mashed carrots, as determined using an extrinsic stable isotope reference method

Escriva A, Esteve MJ, Farre R, Frigola A// \*Univ Valencia, Fac Pharm, Avda Vicente Andres Estelles s/n, ES-46100 Valencia, Spain

*J Chromatogr A* 2002 **947** (2) 313

Determination of liposoluble vitamins in cooked meals, milk and milk products by liquid chromatography

Gueguen S, Herbeth B, Siest G, Leroy P// INSERM U525, Ctr Med Prevent, 2 rue Doyen Jacques Parisot, FR-54500 Vandoeuvre-les-Nancy, France

*J Chromatogr Sci* 2002 **40** (2) 69

An isocratic liquid chromatographic method with diode-array detection for the simultaneous determination of  $\alpha$ -tocopherol, retinol, and five carotenoids in human serum

Indyk HE, Persson BS, Caselunghe MCB, Moberg A, Filonzi EL, Woollard DC// Fonterra-NZMP, POB 7, Waitoa, New Zealand

*J AOAC Int* 2002 **85** (1) 72

Determination of vitamin B<sub>12</sub> in milk products and selected foods by optical biosensor protein-binding assay: Method comparison

Kozhanova LA, Fedorova GA, Baram GI// Russian Acad Sci, Limnol Inst, Siberian Branch, ul Ulan Batorskaya 3, RU-664033 Irkutsk, Russia

*J Anal Chem (Engl Tr)* 2002 **57** (1) 40

Determination of water- and fat-soluble vitamins in multivitamin preparations by high-performance liquid chromatography

Lin YM, Dueker SR, Jones AD, Clifford AJ// \*Univ Calif Davis, Dept Nutr, Davis, Ca 95616, USA

*Anal Biochem* 2002 **301** (1) 14

A parallel processing solid phase extraction protocol for the determination of whole blood folate

Mottier P, Gremaud E, Guy PA, Turesky RJ// Nestec Ltd, Nestle Res Ctr, Vers-chez-les-Blanc, CH-1000 Lausanne 26, Switzerland

*Anal Biochem* 2002 **301** (1) 128

Comparison of gas chromatography-mass spectrometry and liquid chromatography-tandem mass spectrometry methods to quantify  $\alpha$ -tocopherol and  $\alpha$ -tocopherolquinone levels in human plasma

Nexo E, Christensen AL, Hvas AM, Petersen TE, Fedosov SN// Aarhus Univ Hosp, AKH, Dept Clin Biochem, Norrebrogade 44, DK-8000 Aarhus C, Denmark

*Clin Chem* 2002 **48** (3) 561

Quantification of holo-transcobalamin, a marker of vitamin B<sub>12</sub> deficiency

Paixao JA, Stamford TLM// Univ Fed Pernambuco, Dept Nutr, BR-50730-700 Recife, PE, Brazil

*J Liq Chromatogr Relat Technol* 2002 **25** (2) 217

Lacteal matrices. A single guide for extraction and quantification of fat-soluble vitamins

Pinto E, Pedersen M, Snoeijs P, Van Nieuwerburgh L, Colepicolo P// \*Univ Sao Paulo, Inst Quim, Dept Bioquim, CP 26077, BR-05599-970 Sao Paulo, Brazil

*Biochem Biophys Res Commun* 2002 **291** (2) 344

Simultaneous detection of thiamine and its phosphate esters from microalgae by HPLC

Pournaghi-Azar MH, Razmi-Nerbin H, Hafezi B// Univ Tabriz, Fac Chem, Electroanalytical Chem Lab, Tabriz, Iran

*Electroanalysis* 2002 **14** (3) 206

Amperometric determination of ascorbic acid in real samples using an aluminum electrode, modified with nickel hexacyanoferrate films by simple electrodeless dipping method

Rodrigo N, Alegria A, Barbera R, Farre R// \*Univ Valencia, Fac Pharm, Avda Vicent Andres Estelles s/n, ES-46100 Burjassot, Spain

*J Chromatogr A* 2002 **947** (1) 97

High-performance liquid chromatographic determination of tocopherols in infant formulas

Schieber A, Marx M, Carle R// Hohenheim Univ, Inst Food Technol, Section Plant Foodstuff Technol, Garbenstr 25, DE-70599 Stuttgart, Germany

*Food Chem* 2002 **76** (3) 357

Simultaneous determination of carotenes and tocopherols in ATBC drinks by

high-performance liquid chromatography

Tanumihardjo SA, Penniston KL// Univ Wisconsin, Dept Nutr Sci, 1415 Linden Dr, Madison, WI 53706, USA

*J Lipid Res* 2002 **43** (2) 350

Simplified methodology to determine breast milk retinol concentrations

Ulleland M, Eilertsen I, Quadros EV, Rothenberg SP, Fedosov SN, Sundrehagen E, Orning L// \*Axis Shield ASA, Ulvenveien 87, POB 206 Okem, NO-0510 Oslo, Norway

*Clin Chem* 2002 **48** (3) 526

Direct assay for cobalamin bound to transcobalamin (holo-transcobalamin) in serum

## 7. Trace elements & minerals

Bernini R, Picconi F, Iacovacci V, Principi C, Abballe F// Cesare Fiorucci SpA, Lab Qual & Ambiente, via Cesare Fiorucci 11, Loc S Palomba, IT-00040 Pomezia, Italy

*Ind Aliment* 2001 **40** (408) 1216

Meat and cured meat analysed by means of ion chromatography: Part III. Total phosphorous (Italian, English Abstract)

Cubadda F, Raggi A, Testoni A, Zanas F// Ist Super Sanita, Lab Alimenti, Viale Regina Elena 299, IT-00161 Rome, Italy

*J AOAC Int* 2002 **85** (1) 113

Multielemental analysis of food and agricultural matrixes by inductively coupled plasma-mass spectrometry

Divakaran S, Obaldo LG, Forster IP// Ocean Inst Makapuu Point, 41-202 Kalaniana'ole Highway, Waimanalo, HI 96795, USA

*J Agric Food Chem* 2002 **50** (3) 464

Note on the methods for determination of chromic oxide in shrimp feeds

Fernandez PL, Pablos F, Martin MJ\*, Gonzalez AG// \*Univ Seville, Fac Chem, Dept Analyt Chem, ES-41012 Seville, Spain

*Food Chem* 2002 **76** (4) 483

Multi-element analysis of tea beverages by inductively coupled plasma atomic emission spectrometry

Kabengeru C, Bodart P, Hubert P, Thunus L, Noifalisse A// Univ Natl Rwanda, Butare, Rwanda

*J AOAC Int* 2002 **85** (1) 122

Optimization and validation of arsenic determination in foods by hydride generation flame atomic absorption spectrometry

Kelly S, Baxter M, Chapman S, Rhodes C, Dennis J, Brereton P// Univ East Anglia, Sch Environm Sci, Norwich NR4 7TJ, England

*Eur Food Res Technol* 2002 **214** (1) 72

The application of isotopic and elemental analysis to determine the geographical origin of premium long grain rice

Li ZJ, Pan JM, Tang J// Wuxi Univ Light Ind, Dept Chem Engr, CN-214036 Wuxi, Peoples Rep China

*Anal Lett* 2002 **35** (1) 167

Determination of nickel in food by spectrophotometry with *o*-carboxyl-benzenediazo-aminoazobenzene

Papageorgiou T, Zacharoulis D, Xenos D, Androulakis G// Univ Athens, Ippokrate Hosp, Propedeut Surg Clin I, 114 Vassilissis Sophias Ave, GR-11547 Athens, Greece

*Nutrition* 2002 **18** (1) 32

Determination of trace elements (Cu, Zn, Mn, Pb) and magnesium by atomic absorption in patients receiving total parenteral nutrition

Zenebon O, Sakuma AM, Dovidauskas S, Okada IA, De Maio FD, Lichtig J// \*Inst Adolfo Lutz Registro, Div Bromatol & Quim, Avda Dr Arnaldo 355, BR-01246-902 Sao Paulo, Brazil

*J AOAC Int* 2002 **85** (1) 149

Rapid food decomposition by H<sub>2</sub>O<sub>2</sub>-H<sub>2</sub>SO<sub>4</sub> for determination of total mercury by flow injection cold vapor atomic absorption spectrometry

## 8. Drug, biocide & processing residues

Barron D, Jimenez-Lozano E, Bailac S, Barbosa J// \*Univ Barcelona, Dept Analyt Chem, Avda Diagonal 647, ES-08028 Barcelona, Spain

*J Chromatogr B* 2002 **767** (2) 313

Determination of difloxacin and sarafloxacin in chicken muscle using solid-phase extraction and capillary electrophoresis

Blasco C, Pico Y\*, Manes J, Font G// \*Univ Valencia, Fac Farm, Lab Bromatol & Toxicol, Avda Vicent Andres Estelles s/n, ES-46100 Valencia, Spain

*J Chromatogr A* 2002 **947** (2) 227

- Determination of fungicide residues in fruits and vegetables by liquid chromatography atmospheric pressure chemical ionization mass spectrometry  
Calumpang SMF, Morillo GGL, Flavier ME, Santos JH, Quintana BB// Univ Philippines, Coll Agr, Natl Crop Protect Ctr, College Los Banos 4031, Laguna, Philippines  
*Philipp Agric Sci* 2001 **84** (3) 246
- Development of rapid methods of detecting pesticide residues in stored grains  
Capolongo F, Santi A, Tomasi L, Anfossi P, Missagia M, Montesissa C\*\*// \*Univ Padua, Ist Patol & Igiene Vet, Agripolis Legnaro, Padova, Italy  
*J AOAC Int* 2002 **85** (1) 8
- Residues of oxytetracycline and its 4-epimer in edible tissues from turkeys  
Durant AA, Fente CA\*, Franco CM, Vazquez BI, Cepeda A// \*Univ Santiago de Compostela, Fac Vet, Dept Quim Analit Nutr & Bromatol, ES-27002 Santiago de Compostela, Spain  
*J Agric Food Chem* 2002 **50** (3) 436
- Gas chromatography-tandem mass spectrometry determination of 17 $\alpha$ -ethinyl-estradiol residue in the hair of cattle. Application to treated animals  
Ferrer E, Alegria A, Farre R\*, Abellan P, Romero F// \*Univ Valencia, Fac Pharm, Avda Vicent Andres Estelles s/n, ES-46100 Burjassot, Spain  
*J Chromatogr A* 2002 **947** (1) 85
- High-performance liquid chromatographic determination of furfural compounds in infant formulas: Changes during heat treatment and storage  
Fiori M, Carloni C, Bocca B, Brambilla G\*\*// \*Ist Super Sanita, Lab Med Vet, Viale Regina Elena 299, IT-00161 Rome, Italy  
*J Chromatogr Sci* 2002 **40** (2) 92
- The use of nonendcapped C<sub>18</sub> columns in the cleanup of clenbuterol and a new adrenergic agonist from bovine liver by gas chromatography-tandem mass spectrometry analysis  
French SJ, Harper WJ, Kleinholz NM, Jones RB, Green-Church KB// Ohio State Univ, Dept Food Sci & Technol, 2015 Fyffe Court, Columbus, OH 43210, USA  
*J Agric Food Chem* 2002 **50** (4) 820
- Maillard reaction induced lactose attachment to bovine  $\beta$ -lactoglobulin: Electro spray ionization and matrix-assisted laser desorption/ionization examination  
Fussell RJ, Addie KJ, Reynolds SL, Wilson MF\*\*// \*Cent Sci Lab, York YO41 1LZ, England  
*J Agric Food Chem* 2002 **50** (3) 441
- Assessment of the stability of pesticides during cryogenic sample processing. I. Apples  
Jenner K, Kloss R// Stat Vet & Lebensmittel Untersuchungsamt Frankfurt, Ringstr 1030, D-15236 Frankfurt, Germany  
*Dtsch Lebensm-Rundsch* 2002 **98** (2) 40
- Analysis of anti-inflammatory drugs carprofen and vedaprofen in liver, kidney and milk from animals (German, English Abstract)  
Jimenez JJ, Bernal JL, Toribio L, Del Nozal J, Martin T// Univ Valladolid, Fac Sci, Dept Analyt Chem, Prado Magdalena s/n, ES-47005 Valladolid, Spain  
*J Chromatogr A* 2002 **946** (1-2) 247
- Capillary gas chromatography with mass spectrometric and atomic emission detection for characterization and monitoring chlordimeform degradation in honey  
Kataoka H, Ise M, Narimatsu S// Okayama Univ, Fac Pharmaceut Sci, Okayama 700 8530, Japan  
*J Sep Sci* 2002 **25** (1-2) 77
- Automated on-line in-tube solid-phase microextraction coupled with high performance liquid chromatography for the analysis of bisphenol A, alkylphenols, and phthalate esters in foods contacted with plastics  
Leclere J, Birlouez-Aragon I\*, Meli M// \*Inst Natl Agronomique Paris-Grignon, Lab Chimie Analyt, 16 rue Claude Bernard, 75231 Paris 05, France  
*Food Chem* 2002 **76** (4) 491
- Fortification of milk with iron-ascorbate promotes lysine glycation and tryptophan oxidation  
Lodevico RG, Li QX\*\*// \*Univ Hawaii, Dept Mol Biosci & Biosyst Engr, Honolulu, HI 96822, USA  
*Anal Lett* 2002 **35** (2) 315
- Determination of total imidacloprid residues in coffee by gas chromatography-mass spectrometry  
Malik AK, Rao ALJ// Guru Nanak Dev Univ, Dept Chem, Amritsar, India  
*J AOAC Int* 2002 **85** (1) 146
- Spectrophotometric determination of ziram in a commercial sample and wheat by extraction of its copper dimethyldithiocarbamate complex into molten naphthalene  
Morales FJ// Inst del Frio - CSIC, Dept Ciencia & Tecnol Prod Lacteos, Ciudad Univ s/n, ES-28040 Madrid, Spain  
*Food Chem* 2002 **76** (3) 363
- Application of capillary zone electrophoresis to the study of food and food-model melanoidins  
Moret S, Conte LS// Univ Udine, Dipt Sci Alimenti, via Marangoni 97, IT-33100 Udine, Italy  
*J Sep Sci* 2002 **25** (1-2) 96
- A rapid method for polycyclic aromatic hydrocarbon determination in vegetable oils  
Natangelo M, Tavazzi S, Benfenati E\*\*// \*Mario Negri Inst Pharmacol Res, Dept Environm Hlth, via Eritrea 62, IT-20157 Milan, Italy  
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Timm M, Jorgensen BM\*// \*Tech Univ Denmark, Danish Inst Fisheries Res, Dept Seafood Res, Bldg 221, DK-2800 Kgs Lyngby, Denmark  
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