

Bibliography of analytical, nutritional and clinical methods

(4 weeks journals. Search completed at 16th. Oct. 2002)

1. Books, reviews & symposia

Kotani A, Kusu F*, Takamura K// *Tokyo Univ Pharm & Life Sci, Sch Pharm, 1432-1 Horinouchi, Hachioji, Tokyo 192 0392, Japan

Anal Chim Acta 2002 **465** (1-2) 199

New electrochemical detection method in high-performance liquid chromatography for determining free fatty acids

Meier-Augenstein W// Univ Dundee, Sch Life Sci, Div Mol Physiol, Old Med Sch, Smalls Wynd, Dundee DD1 4HN, Scotland

Anal Chim Acta 2002 **465** (1-2) 63

Stable isotope analysis of fatty acids by gas chromatography-isotope ratio mass spectrometry

Miwa H// Fukuoka Univ, Fac Pharmaceut Sci, Jonan ku, 8-19-1 Nanakuma, Fukuoka 814 0133, Japan

Anal Chim Acta 2002 **465** (1-2) 237

High-performance liquid chromatography determination of free fatty acids and esterified fatty acids in biological materials as their 2-nitrophenylhydrazides

Ng LK// Canadian Customs & Revenue Agcy, Lab & Sci Serv Directorate, 79 Bentley Ave, Ottawa, Ontario, Canada K1A 0L5

Anal Chim Acta 2002 **465** (1-2) 309

Analysis by gas chromatography/mass spectrometry of fatty acids and esters in alcoholic beverages and tobaccos

Roach JAG, Mossoba MM*, Yurawecz MP, Kramer JKG// *US/FDA, Ctr Food Safety & Appl Nutr, 5100 Paint Branch Pkwy, College Park, Md 20740, USA

Anal Chim Acta 2002 **465** (1-2) 207

Chromatographic separation and identification of conjugated linoleic acid isomers

Senorans FJ, Ibanez E*// *CSIC, Inst Fermentacion Ind, Dept Caracterizac Alimentos, Juan Cierva 3, ES-28006 Madrid, Spain

Anal Chim Acta 2002 **465** (1-2) 131

Analysis of fatty acids in foods by supercritical fluid chromatography

Seppanen-Laasko T, Laasko I, Hiltunen R// VTT Biotechnol, POB 1500, FI-02044 Espoo, Finland

Anal Chim Acta 2002 **465** (1-2) 39

Analysis of fatty acids by gas chromatography, and its relevance to research on health and nutrition

3. Amino acids, proteins & enzymes

Cunsolo V, Foti S, Saletti R*, Gilbert S, Tatham A, Shewry PR// *Univ Catania, Dipt Sci Chim, Viale A Doria 6, IT-95125 Catania, Italy

Rapid Commun Mass Spectrom 2002 **16** (20) 1911

Investigation and correction of the gene-derived sequence of glutenin subunit 1Dx2 by matrix-assisted laser desorption/ionisation mass spectrometry

Fischella S, Alberghina G, Amato ME, Fichera M, Mantarro D, Palermo A, Savarino A, Scarlata G// Univ Catania, Dipt Sci Chim, Viale A Doria 6, IT-95125 Catania, Italy

Biopolymers 2002 **65** (2) 142

Conformational studies of wheat flour high relative molecular mass glutenin subunits by circular dichroism spectroscopy

Fox GP, Onley-Watson K, Osman A// Queensland Dept Primary Ind, Agcy Food & Fibre Sci, Barley Qual Lab, POB 2282, Toowoomba, Qld 4350, Australia

J Inst Brew 2002 **108** (2) 155

Multiple linear regression calibrations for barley and malt protein based on the spectra of hordein

Hanson NQ, Eckfeldt JH, Schwichtenberg K, Aras O, Tsai MY*// *420 Delaware St, SE Mayo Mail Code 609, Minneapolis, Mn 55455, USA

Clin Chem 2002 **48** (9) 1539

Interlaboratory variation of plasma total homocysteine measurements: Results of three successive homocysteine proficiency testing surveys

Marvin LF, Parisod V, Fay LB, Guy PA*// *Nestec Ltd, Nestle Res Ctr, Vers-chez-les-Blanc, CH-1000 Lausanne 26, Switzerland

Electrophoresis 2002 **23** (15) 2505

Characterization of lactosylated proteins of infant formula powders using two-dimensional gel electrophoresis and nanoelectrospray mass spectrometry

McCleary BV, Sturgeon R// Megazyme Int Ireland Ltd, Bray, County Wicklow, Rep Ireland

Cereal Food World 2002 **47** (7) 299

Measurement of α -amylase in cereal, food, and fermentation products

Simo C, Barbas C, Cifuentes A*// *CSIC, Inst Ind Fermentation, Juan Cierva 3, ES-28006 Madrid, Spain

J Agric Food Chem 2002 **50** (19) 5288

Sensitive micellar electrokinetic chromatography-laser-induced fluorescence method to analyze chiral amino acids in orange juice

4. Carbohydrates

Hoover R, Ratnayake WS// Mem Univ Newfoundland, Dept Biochem, St John's, Newfoundland, Canada A1B 3X9

Food Chem 2002 **78** (4) 489

Starch characteristics of black bean, chick pea, lentil, navy bean and pinto bean cultivars grown in Canada

Wei Y, Ding MY*// *Tsing Hua Univ, Dept Chem, CN-100084 Beijing, Peoples Rep China

J Liq Chromatogr Relat Technol 2002 **25** (12) 1769

Ethanolamine as modifier for analysis of carbohydrates in foods by HPLC and evaporative light scattering detection

5. Lipids

Baadenhuijsen H, Steigstra H, Cobbaert C, Kuypers A, Weykamp C, Jansen R// Univ Nijmegen, Med Ctr, Dept Clin Chem, POB 9101, NL-6500 HB Nijmegen, The Netherlands

Clin Chem 2002 **48** (9) 1520

Commutability assessment of potential reference materials using a multicenter split-patient-sample between-field-methods (twin-study) design: Study within the framework of the Dutch project "Calibration 2000"

Chu BS, Tan CP, Ghazall HM*, Lai OM// *Univ Putra Malaysia, Fac Food Sci & Biotechnol, MY-43400 Serdang, Selangor, Malaysia

Eur J Lipid Sci Technol 2002 **104** (8) 472

Determination of iodine value of palm olein mixtures using differential scanning calorimetry

Cobbaert C, Weykamp C, Baadenhuijsen H, Kuypers A, Lindemans J, Jansen R// Amphia Hosp, Dept Clin Chem, Langendijk 75, NL-4819 EV Breda, The Netherlands

Clin Chem 2002 **48** (9) 1526

Selection, preparation, and characterization of commutable frozen human se-

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.

- rum pools as potential secondary reference materials for lipid and apolipoprotein measurements: Study within the framework of the Dutch project "Calibration 2000"
- Dionisi F, Golay PA, Fay LB*// *Nestec Ltd, Nestle Res Ctr, POB 44, Verschez-les-Blanc, CH-1000 Lausanne 26, Switzerland
Anal Chim Acta 2002 **465** (1-2) 395
- Influence of milk fat presence on the determination of *trans* fatty acids in fats used for infant formulae
- García-González DL, Aparicio R*// *Inst Grasa, Padre Garcia Tejero 4, ES-41012 Seville, Spain
Eur Food Res Technol 2002 **215** (2) 118
- Detection of defective virgin olive oils by metal-oxide sensors
- Garrido JL, Medina I// CSIC, Inst Invest Marinas, Avda Eduardo Cabello 6, ES-36208 Vigo, Spain
Anal Chim Acta 2002 **465** (1-2) 409
- Identification of minor fatty acids in mussels (*Mytilus galloprovincialis*) by GC-MS of their 2-alkenyl-4,4-dimethylxoxoline derivatives
- Gillis EH, Gosling JP, Sreenan JM, Kane M*// *Natl Univ Ireland, Univ Coll Galway, Natl Diagnost Ctr, Galway, Rep Ireland
J Immunol Methods 2002 **267** (2) 131
- Development and validation of a biosensor-based immunoassay for progesterone in bovine milk
- Hasselbaink DM, Roemen THM, Van der Vusse GJ*// *Maastricht Univ, Cardiovasc Res Inst, Dept Physiol, POB 616, NL-6200 MD Maastricht, The Netherlands
Anal Chim Acta 2002 **465** (1-2) 351
- Determination of long-chain fatty acids in heart and skeletal muscle by capillary gas chromatography
- Husek P, Simek P, Tvrzicka E// Acad Sci, Inst Entomol, Lab Analyt Biochem, Branisovska 31, CZ-37005 Ceske Budejovice, Czech Republic
Anal Chim Acta 2002 **465** (1-2) 433
- Simple and rapid procedure for the determination of individual free fatty acids in serum
- Kimpe K, Jacobs PA*, Waelkens M// *Katholieke Univ Leuven, Ctr Surface Chem & Catalysis, Kasteelpk Arenberg 23, BE-3001 Heverlee, Belgium
J Chromatogr A 2002 **968** (1-2) 151
- Mass spectrometric methods prove the use of beeswax and ruminant fat in the late Roman cooking pots
- Romero MP, Tovar MJ, Girona J, Motilva MJ*// *Univ Lleida, Escuela Tecn Super Ingn Agraria, UTPV, CeRTA, Dept Food Technol, ES-25198 Lleida, Spain
J Agric Food Chem 2002 **50** (19) 5349
- Changes in the HPLC phenolic profile of virgin olive oil from young trees (*Olea europaea* L. cv. Arbequina) grown under different deficit irrigation strategies
- Schiller J, Suss R, Petkovic M, Hanke G, Vogel A, Arnold K// Univ Leipzig, Fak Med, Dept Med, Inst Med Phys & Biophys, Liebigstr 27, DE-04103 Leipzig, Germany
Eur J Lipid Sci Technol 2002 **104** (8) 496
- Effects of thermal stressing on saturated vegetable oils and isolated triacylglycerols: Product analysis by MALDI-TOF mass spectrometry, NMR and IR spectroscopy
- Tvrzicka E, Vecka A, Stankova B, Zak A// Charles Univ, Fac Med I, Dept Med IV, u Nemocnice 2, CZ-12808 Prague, Czech Republic
Anal Chim Acta 2002 **465** (1-2) 337
- Analysis of fatty acids in plasma lipoproteins by gas chromatography-flame ionization detection: Quantitative aspects
- Walter P, Cornillon P*// *Purdue Univ, Dept Food Sci, Whistler Ctr Carbohydrate Res, 1160 Food Sci Bldg, West Lafayette, IN 47907, USA
Food Res Int 2002 **35** (8) 761
- Lipid migration in two-phase chocolate systems investigated by NMR and DSC
- Western RJ, Lau SSG, Marriott PJ*, Nichols PD// *RMIT Univ, Dept Appl Chem, Australian Ctr Res Separat Sci, GPO Box 2476V, Melbourne, Vic 3001, Australia
Lipids 2002 **37** (7) 715
- Positional and geometric isomer separation of FAME by comprehensive 2-D GC
- Zanardi E, Jagersma CG, Ghidini S, Chizzolini R// Univ Parma, Dipt Prod Anim Biotechnol Vet Qualita & Sicurezza Alimenti, IT-43100 Parma, Italy
J Agric Food Chem 2002 **50** (19) 5268
- Solid phase extraction and liquid chromatography-tandem mass spectrometry for the evaluation of 4-hydroxy-2-nonenal in pork products
- Quim, Dept Quim Analit Nutr & Bromatol, ES-38071 Tenerife, Spain
Anal Lett 2002 **35** (10) 1677
- Simultaneous spectrophotometric determination of folic acid, pyridoxine, riboflavin, and thiamine by partial least-squares regression
- Bhushan R, Arora M// Inst Technol, Dept Chem, IN-247667 Roorkee, India
Natl Acad Sci Lett 2002 **25** (5-6) 159
- Separation of vitamin B complex and folic acid by HPLC, normal phase and reversed phase-TLC
- Cataldi TRI, Nardiello D, De Benedetto GE, Bufo SA// Univ Basilicata, Dipt Chim, via N Sauro 85, IT-85100 Potenza, Italy
J Chromatogr A 2002 **968** (1-2) 229
- Optimizing separation conditions for riboflavin, flavin mononucleotide and flavin adenine dinucleotide in capillary zone electrophoresis with laser-induced fluorescence detection
- Du JX, Li YH, Lu JR*// *Shaanxi Normal Univ, Sch Chem & Mat Sci, Dept Chem, CN-710062 Xian, Peoples Rep China
Talanta 2002 **57** (4) 661
- Flow injection chemiluminescence determination of thiamine based on its enhancing effect on the luminol-hydrogen peroxide system
- Jin WR, Jiang L// Shandong Univ, Sch Chem & Chem Engn, CN-250100 Jinan, Peoples Rep China
Electrophoresis 2002 **23** (15) 2471
- Measurement of ascorbic acid in single human neutrophils by capillary zone electrophoresis with electrochemical detection
- Oni J, Westbroek P, Nyokong T*// *Rhodes Univ, Chem Dept, ZA-6140 Grahamstown, Rep Sth Africa
Electroanalysis 2002 **14** (17) 1165
- Voltammetric detection of vitamin B₁ at carbon paste electrodes and its determination in tablets

7. Trace elements & minerals

- Chen LC, Yang FM, Xu J, Hu Y, Hu QH*, Zhang YL, Pan GX// *Nanjing Agr Univ, Coll Food Sci & Technol, CN-210095 Nanjing, Peoples Rep China
J Agric Food Chem 2002 **50** (18) 5128
- Determination of selenium concentration of rice in China and effect of fertilization of selenite and selenate on selenium content of rice
- Hagen W// Address not available.
J Inst Brew 2002 **108** (2) 273
- Determination of calcium in wort by atomic absorption spectrophotometry
- Jiang ZT, Li R, Yu JC// Tianjin Univ Commerce, Dept Food Sci & Engr, CN-300400 Tianjin, Peoples Rep China
Supramol Chem 2002 **14** (4) 373
- Determination of manganese (II) in foodstuffs by β -cyclodextrin polymer phase spectrophotometry with 1-(2-pyridylazo)-2-naphthol
- Lombardi-Boccia G, Martinez-Dominguez B, Aguzzi A, Rincon-Leon F// Inst Nazl Ric Alimenti & Nutrizione, via Ardeatina 546, IT-00178 Roma, Italy
Food Chem 2002 **78** (4) 505
- Optimization of heme iron analysis in raw and cooked red meat
- Takala TI, Suominen P, Isoaho R, Kivela SL, Lopponen M, Peltola O, Rajamaki A, Irjala K// Turku Univ, Cent Hosp, Dept Clin Chem, TUCH Labs, POB 52, FI-20520 Turku, Finland
Clin Chem 2002 **48** (9) 1586
- Iron-replete reference intervals to increase sensitivity of hematologic and iron status laboratory tests in the elderly
- Tuzen M// Gaziosmanpasa Univ, Fac Sci & Arts, Dept Chem, TR-60250 Tokat, Turkey
Fresenius Environ Bull 2002 **11** (7) 366
- Determination of some metals in honey samples for monitoring environmental pollution
- Villa-Lojo MC, Alonso-Rodriguez E*, Lopez-Mahia P, Muniategui-Lorenzo S, Prada-Rodriguez D// *Univ A Coruna, Dept Analyt Chem, Campus Zapateira s/n, ES-15071 La Coruna, Spain
Talanta 2002 **57** (4) 741
- Coupled high performance liquid chromatography-microwave digestion-hydride generation-atomic absorption spectrometry for inorganic and organic arsenic speciation in fish tissue
- Wang S, McDonnell EH, Sedor FA, Toffaletti JG*// *Duke Univ, Med Ctr, Dept Pathol, Clin Labs, Durham, NC 27710, USA
Arch Pathol Lab Med 2002 **126** (8) 947
- pH effects on measurements of ionized calcium and ionized magnesium in blood

6. Vitamins & co-factors

Aberasturi FJ, Jimenez AI, Arias JJ, Jimenez F*// *Univ La Laguna, Fac

8. Drug, biocide & processing residues

Careri M, Elvirri L, Mangia A, Zagnoni I// Univ Studi Parma, Dipt Chim Gen

- & Inorgan Chim Anal Chim Fis, Parco Area Sci 17/A, IT-43100 Parma, Italy
Rapid Commun Mass Spectrom 2002 **16** (19) 1821
Rapid method for determination of chlormequat residues in tomato products by ion-exchange liquid chromatography/electrospray tandem mass spectrometry
- Dalluge J, Van Rijn M, Beens J, Vreuls RJJ, Brinkman UAT// Free Univ Amsterdam, Dept Analyt Chem & Appl Spect, De Boelelaan 1083, NL-1081 HV Amsterdam, The Netherlands
J Chromatogr A 2002 **965** (1-2) 207
Comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometric detection applied to the determination of pesticides in food extracts
- De Meulenaer B, Baert K, Lanckriet H, Van Hoed V, Huyghebaert A// State Univ Ghent, Dept Food Technol & Nutr, Lab Food Chem & Anal, Coupure Links 653, BE-9000 Ghent, Belgium
J Agric Food Chem 2002 **50** (19) 5273
Development of an enzyme-linked immunosorbent assay for bisphenol A using chicken immunoglobulins
- Furusawa N// Osaka City Univ, Grad Sch Human Life Sci, Osaka 558 8585, Japan
J Chromatogr Sci 2002 **40** (7) 355
Simplified high-performance liquid chromatographic determination of residual amprolium in edible chicken tissues
- Horvatovich P, Miesch M, Hasselmann C, Marchioni E// *Univ Strasbourg 1, Fac Pharm, Lab Chim Analyt & Sci Aliment, UMR 7512, 74 Route Rhin, FR-67400 Illkirch Graffenstaden, France
J Chromatogr A 2002 **968** (1-2) 251
Supercritical fluid extraction for the detection of 2-dodecylcyclobutanone in low dose irradiated plant foods
- Kuivinen J, Bengtsson S// Natl Food Adm Toxicol Lab, Chem Div II, Box 622, SE-75126 Uppsala, Sweden
J Chromatogr Sci 2002 **40** (7) 392
Solid-phase extraction and cleanup of organophosphorus pesticide residues in bovine muscle with gas chromatographic detection
- Lage CLS, Vasconcellos AG, Da Silva NCB, Esquibel MA// Univ Fed Rio de Janeiro, Inst Biofis Carlos Chagas Filho, Lab Fisiol Vegetal, CCS, Bloco G, BR-21941-590 Rio de Janeiro, Brazil
Braz Arch Biol Technol 2002 **45** (2) 177
Changes in electrophoretic profiles of *Ipomoea batatas* (sweet potato) induced by gamma radiation
- Loste A, Hernandez E, Bregante MA, Garcia MA, Solans C// Univ Zaragoza, Fac Vet, Dept Analyt Chem, Miguel Servet 177, ES-50013 Zaragoza, Spain
Chromatographia 2002 **56** (3-4) 181
Development and validation of a gas chromatographic method for analysis of fosfomicin in chicken muscle samples
- Myllyniemi AL, Sipila H, Nuotio L, Niemi A, Honkanen-Buzalski T// Natl Vet & Food Res Inst, Dept Bacteriol, POB 45 Hameentie 57, FI-00581 Helsinki, Finland
Analyst 2002 **127** (9) 1247
An indirect conductimetric screening method for the detection of antibiotic residues in bovine kidneys
- Navarro M, Pico Y*, Marin R, Manes J// *Univ Valencia, Fac Farm, Lab Bromatol & Toxicol, Avda Vicent Andres Estelles s/n, ES-46100 Burjassot, Spain
J Chromatogr A 2002 **968** (1-2) 201
Application of matrix solid-phase dispersion to the determination of a new generation of fungicides in fruits and vegetables
- Watzer B, Seyberth HW, Schweer H// *Philipps Univ Marburg, Dept Pediat, Deutschhausstr 12, DE-35033 Marburg, Germany
J Mass Spectrom 2002 **37** (9) 927
Determination of misoprostol free acid in human breast milk and serum by gas chromatography/negative ion chemical ionization tandem mass spectrometry
- Zochling S, Murkovic M// *Graz Univ Technol, Dept Food Chem Technol, Petergasse 12/2, AU-8010 Graz, Austria
Food Chem 2002 **79** (1) 125
Formation of the heterocyclic aromatic amine PhIP: Identification of precursors and intermediates
- 49, IT-80131 Naples, Italy
J Chromatogr A 2002 **968** (1-2) 61
Direct detection of yessotoxin and its analogues by liquid chromatography coupled with electrospray ion trap mass spectrometry
- Crow FW, Cragun JD, Johnson KL, Ruiz MV, De la Paz MP, Naylor S// *Beyond Genomics Inc, 40 Bear Hill Rd, Waltham, Ma 02451, USA
Biomed Chromatogr 2002 **16** (5) 311
On-line HPLC-UV-mass spectrometry and tandem mass spectrometry for the rapid delineation and characterization of differences in complex mixtures: A case study using toxic oil variants
- Honow R, Hesse A// Univ Bonn, Dept Urol, Div Expt Urol, Sigmund-Freud-Str 25, DE-53105 Bonn, Germany
Food Chem 2002 **78** (4) 511
Comparison of extraction methods for the determination of soluble and total oxalate in foods by HPLC-enzyme-reactor
- Razzazi-Fazeli E, Rabus B, Cecon B, Bohm J// Univ Vet Med, Inst Nutr, Veterinarpl 1, AU-1210 Vienna, Austria
J Chromatogr A 2002 **968** (1-2) 129
Simultaneous quantification of A-trichothecene mycotoxins in grains using liquid chromatography-atmospheric pressure ionisation mass spectrometry
- Rodrigues-Fo E, Mirocha CJ, Xie W, Krick TP, Martinelli JA// Univ Fed Sao Carlos, Dept Quim, CP 676, BR-13565-905 Sao Carlos SP, Brazil
Rapid Commun Mass Spectrom 2002 **16** (19) 1827
Electron ionization mass spectral fragmentation of deoxynivalenol and related trichothecenes
- Stroka J, Capelletti C, Papadopoulou-Bouraoui A, Pallaroni L, Anklam E// *Commiss European Communities, Joint Res Ctr, Food Prod Unit, IT-20120 Ispra, Italy
J Liq Chromatogr Relat Technol 2002 **25** (12) 1821
Investigation of alternative reagents to 2-mercaptoethanol for the pre-column derivatization of fumonisins with *o*-phthalaldehyde, for HPLC analysis
- Tamim NM, Bennett LW, Shellem TA, Doerr JA// *Univ Maryland, Dept Anim & Avian Sci, College Park, Md 20742, USA
J Agric Food Chem 2002 **50** (18) 5012
High-performance liquid chromatographic determination of biogenic amines in poultry carcasses

10. Additives

- El Kosasy AM, Razeq SAA// *Ain Shams Univ, Fac Pharm, Dept Analyt Chem, EG-11754 Cairo, Egypt
J Pharmaceut Biomed Anal 2002 **29** (4) 585
Potentiometric determination of polyether ionophores growth promoters in animal feed preparations
- Weisz A, Andrzejewski D, Fales HM, Mandelbaum A// US Food & Drug Admin, Office Cosmetics & Colors, Washington, DC 20204, USA
J Mass Spectrom 2002 **37** (10) 1025
Attachment of neutrals during tandem mass spectrometry of sulfonic acid dyes and intermediates in an ion trap

11. Flavours & aromas

- Hayata Y, Maneerat C, Kozuka H, Sakamoto K, Osajima Y// Hiroshima Prefectural Univ, Sch Bioresources, Shobara, Hiroshima 727 00, Japan
J Jpn Soc Hort Sci 2002 **71** (4) 473
Flavor volatile analysis of 'House Momotaro' tomato fruit extracts at different ripening stages by Porapak Q column
- Hayata Y, Sakamoto T, Kozuka H, Sakamoto K, Osajima Y// Address as above.
J Jpn Soc Hort Sci 2002 **71** (4) 517
Analysis of aromatic volatile compounds in 'Miyabi' melon (*Cucumis melo* L.) using the Porapak Q column
- Hudaib M, Speroni E, Di Pietra AM, Cavrini V// Univ Bologna, Dipt Sci Farmaceut, via Belmeloro 6, IT-40126 Bologna, Italy
J Pharmaceut Biomed Anal 2002 **29** (4) 691
GC/MS evaluation of thyme (*Thymus vulgaris* L) oil composition and variations during the vegetative cycle
- Jordan MJ, Margaria CA, Shaw PE, Goodner KL// *USDA/ARS, US Citrus & Subtrop Prod Lab, 600 Ave Sth NW, Winter Haven, Fl 33881, USA
J Agric Food Chem 2002 **50** (19) 5386
Aroma active components in aqueous kiwi fruit essence of kiwi fruit puree by GC-MS and multidimensional GC/GC-O
- Rodriguez-Delgado MA, Gonzalez-Hernandez G, Conde-Hernandez JE, Perez-Trujillo JP// Univ La Laguna, Dept Anal Chem Nutr & Food Sci, ES-38071 Santa Cruz de Tenerife, Spain
Food Chem 2002 **78** (4) 523

9. Toxins

- Chen CY, Chou HN// Natl Sci Council, Sci & Technol Informat Ctr, 16F, 106 Hopping East Rd, Sect 2, Taipei 10636, Taiwan
Food Res Int 2002 **35** (8) 715
A modified high-performance liquid chromatography method for analysis of PSP toxins in dinoflagellate, *Alexandrium minutum*, and shellfish from Taiwan
- Ciminiello P, Dell'Aversano C, Fattorusso E*, Forino M, Magno S, Poletti R// *Univ Naples Federico II, Dipt Chim Sostanze Nat, via Domenico Montesano

Principal component analysis of the polyphenol content in young red wines
Tsuge K, Kataoka M, Seto Y// *Natl Res Inst Police Sci, 6-3-1 Kashiwanoha, Kashiwa, Chiba 277 0882, Japan
J Agric Food Chem 2002 **50** (16) 4445
Determination of *S*-methyl-, *S*-propyl-, and *S*-propenyl-L-cysteine sulfoxides by gas chromatography-mass spectrometry after *tert*-butyldimethylsilylation
Turner JA, Linforth RST, Taylor AJ// *University Nottingham, School Biosci, Div Food Sci, Sutton Bonington Campus, Loughborough LE12 5RD, England
J Agric Food Chem 2002 **50** (19) 5400
Real-time monitoring of thermal flavor generation in skim milk powder using atmospheric pressure chemical ionization mass spectrometry
Wold JP, Mielnik M, Pettersen MK, Aaby K, Baardseth P// MATFORSK, Osloveien 1, NO-1430 As, Norway
J Food Sci 2002 **67** (6) 2397
Rapid assessment of rancidity in complex meat products by front face fluorescence spectroscopy

12. Organic acids

Cocchi M, Lambertini P, Manzini D, Marchetti A*, Ulrici A// *Univ Modena, Dept Chem, via G Campi 183, IT-41100 Modena, Italy
J Agric Food Chem 2002 **50** (19) 5255
Determination of carboxylic acids in vinegars and in Aceto Balsamico Tradizionale di Modena by HPLC and GC methods
Vorarat S, Aromdee C, Podokmai Y// Khon Kaen Univ, Fac Pharmaceut Sci, Dept Pharmaceut Chem, Khon Kaen 40002, Thailand
Anal Sci 2002 **18** (8) 893
Determination of α hydroxy acids in fruits by capillary electrophoresis

13. Animal products

Baumgartner M, Flock M, Winter P, Luf P, Baumgartner W// Univ Vet Sci, II Med Clin Ruminants & Swine, Veterinarplatz 1, AU-1210 Vienna, Austria
Acta Vet Hung 2002 **50** (3) 263
Evaluation of flow injection analysis for determination of urea in sheep's and cow's milk
Calvo JH, Rodellar C, Zaragoza P*, Osta R// *Fac Vet, Lab Genet Bioquim, Miguel Servet 177, ES-50013 Zaragoza, Spain
J Agric Food Chem 2002 **50** (19) 5262
Beef- and bovine-derived material identification in processed and unprocessed food and feed by PCR amplification
Calvo JH, Osta R, Zaragoza P// *Fac Vet, Lab Genet Bioquim, Miguel Servet 177, ES-50013 Zaragoza, Spain
J Agric Food Chem 2002 **50** (19) 5265
Quantitative PCR detection of pork in raw and heated ground beef and pate
Davenel A, Schuck P, Mariette F, Brule G// CEMAGREF, Unite Rech Technol Equipments, 17 Ave Cucille, FR-35044 Rennes, France
Lait 2002 **82** (4) 465
NMR relaxometry as a non-invasive tool to characterize milk powders
Duflos G, Le Fur B, Mulak V, Becel P, Malle P// AFSSA, Lab Etud & Rech Prod Peche, rue Huret Lagache, FR-62200 Boulogne, France
J Sci Food Agric 2002 **82** (12) 1341
Comparison of methods of differentiating between fresh and frozen-thawed fish or fillets
Mortensen G, Sorensen J, Stapelfeldt H// *CP Kelco, Ved Banen 16, DK-4623 Lille Skensved, Denmark
J Agric Food Chem 2002 **50** (18) 5007
Comparison of peroxide value methods used for semihard cheeses
Pineiro-Sotelo M, Rodriguez-Bernaldo de Quiros A, Lopez-Hernandez J*, Simal-Lozano J// *Univ Santiago de Compostela, Pharm Fac, Nutr & Bromatol Dept, Anal Chem, Nutr & Bromatol Grp, ES-15782 Santiago de Compostela, Spain
Food Chem 2002 **79** (1) 113
Determination of purine bases in sea urchin (*Paracentrotus lividus*) gonads by high-performance liquid chromatography
Reddy PM, Mandokhot UV// Coll Vet Med, Dept Livestock Prod Technol, IN-517502 Tirupati, India
J Food Sci Technol-Mysore 2002 **39** (3) 234
Studies on the identification of species origin of meats using immunochemical and biochemical techniques

14. Plant & microbial product

Amicucci A, Guidi C, Zambonelli A, Potenza L, Stocchi V// Univ Urbino, Ist

Chim Biol Giorgio Fornaini, via Saffi 2, IT-61029 Urbino, PU, Italy
J Sci Food Agric 2002 **82** (12) 1391
Molecular approaches for the detection of truffle species in processed food products
Blais BW, Phillippe LM, Vary N// Canadian Food Inspect Agcy, Ottawa Lab Carling, Ottawa, Ontario, Canada K1A 0C6
Biotechnol Lett 2002 **24** (17) 1407
Cloth-based hybridization array system for detection of transgenic soy and corn by multiplex polymerase chain reaction
Dvash L, Afik O, Shafir S, Schaffer A, Yeselson Y, Dag A, Landau S// *Agr Res Org, Volcani Ctr, Inst Field & Garden Crops, POB 6, IL-50250 Bet Dagan, Israel
J Agric Food Chem 2002 **50** (19) 5283
Determination by near-infrared spectroscopy of perseitol used as a marker for the botanical origin of avocado (*Persea americana* Mill.) honey
Kurilich AC, Jeffery EH, Juvik JA, Wallig MA, Klein BP// *Univ Illinois, Dept Food Sci & Human Nutr, Div Nutr Sci, Urbana, IL 61801, USA
J Agric Food Chem 2002 **50** (18) 5053
Antioxidant capacity of different broccoli (*Brassica oleracea*) genotypes using the oxygen radical absorbance capacity (ORAC) assay
Le Roy A, Potter E, Woo HH, Heber D, Hirsch AM// *UCLA, Dept Mol Cell & Dev Biol, Los Angeles, Ca 90095, USA
J Agric Food Chem 2002 **50** (18) 5063
Characterization and identification of alfalfa and red clover dietary supplements using a PCR-based method
Matsumoto H, Nakamura Y, Hirayama M, Yoshiki Y, Okubo K// Meiji Seika Kaisha Ltd, Hlth & Biosci Lab, 5-3-1 Chiyoda, Sakado, Saitama 350 0289, Japan
J Agric Food Chem 2002 **50** (18) 5034
Antioxidant activity of black currant anthocyanin aglycons and their glycosides measured by chemiluminescence in a neutral pH region and in human plasma
McCaig TN// Agr & Agri-Food Canada, Semiarid Prairie Agr Res Ctr, Box 1030, Swift Current, Saskatchewan, Canada S9H 3X2
Food Res Int 2002 **35** (8) 731
Extending the use of visible/near-infrared reflectance spectrophotometers to measure colour of food and agricultural products
Munaf E, Zein R, Jin JY, Takeuchi T// *Gifu Univ, Fac Engr, Dept Chem, 1-1 Yanagido, Gifu 5011193, Japan
Anal Sci 2002 **18** (8) 903
Liquid chromatographic determination of alcohols in food and beverages with indirect polarimetric detection using a β -cyclodextrin mobile phase
Nardini M*, Cirillo E, Natella F, Mencarelli D, Comisso A, Scaccini C// Natl Inst Food Nutr Res, via Ardeatina 546, IT-00178 Rome, Italy
Food Chem 2002 **79** (1) 119
Detection of bound phenolic acids: Prevention by ascorbic acid and ethylenediaminetetraacetic acid of degradation of phenolic acids during alkaline hydrolysis
Palma M, Pineiro Z, Barroso CG// Univ Cadiz, Fac Ciencias, Dept Quim Anal, Apdo 40, Campus Univ Rio San Pedro, ES-11510 Puerto Real, Cadiz, Spain
J Chromatogr A 2002 **968** (1-2) 1
In-line pressurized-fluid extraction-solid-phase extraction for determining phenolic compounds in grapes
Paradkar MM, Sakhamuri S, Irudayaraj J// *Penn State Univ, Dept Agr & Biol Engr, 227 Agr Engr Bldg, University Park, Pa 16802, USA
J Food Sci 2002 **67** (6) 2009
Comparison of FTIR, FT-Raman, and NIR spectroscopy in a maple syrup adulteration study
Perez-Magarino S, Jose ILGS// *Univ Burgos, Dept Biotechnol & Food Sci, Plaza Misael Banuelos s/n, ES-09001 Burgos, Spain
J Sci Food Agric 2002 **82** (11) 1319
Prediction of red and rose wine CIELAB parameters from simple absorbance measurements
Weder JKP// Tech Univ Munich, Inst Lebensmittelchem, Lichtenbergstr 4, DE-85748 Garching, Germany
Lebensm-Wiss Technol-Food Sci 2002 **35** (3) 233
Influence of experimental conditions on the reproducibility of RAPD-PCR identification of legumes and cereals
Weder JKP// Address as above.
Lebensm-Wiss Technol-Food Sci 2002 **35** (3) 277
Species identification of beans, peas and other legumes by RAPD-PCR after DNA isolation using membrane columns
Wu PW, Hwang LS// *Natl Taiwan Univ, Grad Inst Food Sci & Technol, 59 Lane, 144 Keelung Rd, Sec 4, Taipei, Taiwan
Food Res Int 2002 **35** (8) 793
Determination of soluble persimmon tannin by high performance gel permeation chromatography