

# Bibliography of analytical, nutritional and clinical methods

(2 weeks journals - Search completed at 10th June 1998)

## 1 BOOKS, REVIEWS & SYMPOSIA

- Christie WW// Scottish Crop Res Inst, Dundee DD2 5DA, Scotland  
*Lipids* 1998 33 (4) 343  
Gas chromatography/mass spectrometry methods for structural analysis of fatty acids (Review)
- Delincée H// Fed Res Ctr Nutr, Inst Nutr Physiol, Engesserstr 20, DE-76131 Karlsruhe, Germany  
*Trends Food Sci Technol* 1998 9 (2) 73  
Detection of food treated with ionizing radiation (Review)
- Miquel ME, Hall LD// Univ Cambridge, Herchel Smith Lab Med Chem, Robinson Way, Cambridge CB2 2PZ, England  
*Food Sci Technol-Lebensm Wiss* 1998 31 (2) 93  
A general survey of chocolate confectionery by magnetic resonance imaging (Review)

## 3 AMINO ACIDS, PROTEINS & ENZYMES

- Bobé G, Beitz DC, Freeman AE, Lindberg GL\*// \*Iowa State Univ, Dept Anim Sci, Ames, Ia 50011, USA  
*J Agr Food Chem* 1998 46 (4) 1321  
Sample preparation affects separation of whey proteins by reversed-phase high-performance liquid chromatography
- Chen FC, Hsieh YHP\*, Bridgman RC// \*Auburn Univ, Dept Nutr & Food Sci, Auburn, Al 36849, USA  
*J Food Sci* 1998 63 (2) 201  
Monoclonal antibodies to porcine thermal-stable muscle protein for detection of pork in raw and cooked meats
- Hill P, Lustig S, Sawatzki V// Brauerei Beck GmbH & Co, Deich 18-19, DE-28199 Bremen, Germany  
*Monatsschr Brauwissen* 1998 51 (3-4) 36  
The amino acid glutamine as a parameter for the determination of the extent of staling in beer
- Molina E, Ramos M, Cifuentes A, Lopez-Fandino R\*// \*Inst Fermentac Ind, Juan Cierva 3, ES-28006 Madrid, Spain  
*Z Lebensm Unters Forsch A-Food* 1998 206 (4) 259  
Characterization of cheese proteolysis by capillary electrophoresis and reverse-phase HPLC analyses of peptides
- Pripp AH, Tobiassen RO, Stepaniak L, Sorhaug T// Agr Univ Norway, Dept Food Sci, NO-1432 AS, Norway  
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Comparative capillary electrophoresis analysis of proteolytic breakdown in caseinate and cheese curd models

## 4 CARBOHYDRATES

- Angelino S, Home S// Address not available.  
*Monatsschr Brauwissen* 1998 51 (3-4) 60  
Note on the EBC method: High molecular weight  $\beta$ -glucan (fluorimetric method): (German, English Abstract)
- Kedward CJ, MacNaughtan W, Blanshard JMV, Mitchell JR\*// \*Univ Nottingham, Dept Appl Biochem & Food Sci, Sutton Bonington Campus, Loughborough LE12 5RD, England  
*J Food Sci* 1998 63 (2) 192  
Crystallization kinetics of lactose and sucrose based on isothermal differential scanning calorimetry
- Thurl S, Henker J, Siegel M, Tovar K, Sawatzki G// Fachhochschule Fulda, Fac Food Technol, DE-36039 Fulda, Germany  
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Lewis blood groups of breastfeeding women tested serologically and by chromatographic analysis of human milk oligosaccharides

- Val A, Huidobro JF\*, Sanchez MP, Muniategui S, Fernandez-Muino MA, Sancho MT// \*Univ Santiago de Compostela, Fac Farm, Area Nutr & Bromatol, ES-15706 Santiago de Compostela, Spain  
*J Agr Food Chem* 1998 46 (4) 1381  
Enzymatic determination of galactose and lactose in honey

## 5 LIPIDS

- Amelio M, Rizzo R, Varazini F// Fratellin Carli SpA, via Garesio 11-13, IT-18100 Imperia, Italy  
*J Amer Oil Chem Soc* 1998 75 (4) 527  
Separation of stigmasta-3,5-diene squalene isomers, and wax esters from olive oils by single high-performance liquid chromatography run
- Caudill SP, Smith SJ, Cooper GR, Myers GL// Ctr Dis Control & Prevent, Environm Hlth Lab, Div Sci, Natl Ctr Environm Hlth, 4770 Buford Hwy NE, Atlanta, Ga 30341, USA  
*Clin Chem* 1998 44 (5) 1063  
Adequacy of NCEP recommendations for total cholesterol, triglycerides, HDLC, and LDLC measurements (Letter)
- Gloria H, Aguilera JM\*// \*Catholic Univ Chile, Dept Chem Engn & Bioproc, POB 306, Santiago, Chile  
*J Agr Food Chem* 1998 46 (4) 1363  
Assessment of the quality of heated oils by differential scanning calorimetry
- Lin MJ, Hoke C, Ettinger B// 1725 Eastshore Hwy, Berkeley, Ca 94710, USA  
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- Rehbock B, Gansser D, Berger RG\*// \*Univ Hannover, Inst Lebensmittelchem, Wunstorfer Str 14, DE-30453 Hannover, Germany  
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*J Amer Oil Chem Soc* 1998 75 (4) 483  
Precision of low trans fatty acid level determination in refined oils. Results of a collaborative capillary gas-liquid chromatography study
- Villen J, Blanch GP, Del Castillo MLR, Herraiz M\*// \*CSIC, Inst Fermentac Ind, Juan Cierva 3, ES-28006 Madrid, Spain  
*J Agr Food Chem* 1998 46 (4) 1419  
Rapid and simultaneous analysis of free sterols, tocopherols, and squalene in edible oils by coupled reversed-phase liquid chromatography/gas chromatography
- Westgard JO, Wiebe DA// Univ Wisconsin, Sch Med, Dept Pathol & Lab Med, 600 Highland Ave, Madison, Wi 53792, USA  
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Adequacy of NECP recommendations for total cholesterol, triglycerides, HDLC, and LDLC measurements (Reply)

## 6 VITAMINS & CO-FACTORS

- Arya SP, Mahajan M, Jain P// Kurukshetra Univ, Dept Chem, IN-136119 Kurukshetra, India  
*Chem Anal* 1998 43 (2) 231  
A colorimetric method for ascorbic acid assay of pharmaceuticals
- Barua AB, Olson JA// Iowa State Univ, Dept Biochem & Biophys, Ames, Ia 50011, USA  
*J Chromatogr B* 1998 707 (1-2) 69  
Reversed-phase gradient high-performance liquid chromatographic procedure for simultaneous analysis of very polar to non polar retinoids, carotenoids and tocopherols in animal and plant samples

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.

- Boyer FO, Romero JMF, Luque de Castro MD\*, Quesada JM// \*Univ Cordoba, Fac Sci, Dept Analyt Chem, E-14004 Cordoba, Spain  
*Chromatographia* 1998 **47** (7-8) 367  
Aminopropyl-silica as an advantageous alternative to nonpolar sorbents for continuous cleanup/preconcentration of vitamin D<sub>3</sub> metabolites
- Buskov S, Moller P, Sorensen H\*, Sorensen JC, Sorensen S// \*Royal Vet & Agr Univ, Dept Chem, Thorvaldsensvej 40, DK-1871 Frederiksberg C, Denmark  
*J Chromatogr A* 1998 **802** (1) 233  
Determination of vitamins in food based on supercritical fluid extraction prior to micellar electrokinetic capillary chromatographic analyses of individual vitamins
- Ekpe AE, Hazen C// Bayer Corp, Consumer Care Div, 36 Columbia Rd, Morristown, NJ 07962, USA  
*J Pharmaceut Biomed Anal* 1998 **16** (8) 1311  
Liquid chromatographic determination of biotin in multivitamin-multimineral tablets
- Kim HR, Seib PA\*// \*Kansas State Univ, Dept Grain Sci & Ind, Manhattan, Ks 66506, USA  
*J Chromatogr A* 1998 **803** (1-2) 141  
Assay of L-ascorbic 2-monophosphate in aquaculture feeds by high-performance anion-exchange chromatography with conductivity detection
- Nojiri S, Kamata K, Nishijima M// Tokyo Metropolitan Res Lab Publ Hlth, Shinjuku ku, 24-1 Hyakunincho 3 chome, Tokyo 169, Japan  
*J Pharmaceut Biomed Anal* 1998 **16** (8) 1357  
Fluorescence detection of biotin using post-column derivatization with OPA in high-performance liquid chromatography
- Nsengiyumva C, De Beer JO, Van de Wauw W, Vlietinck AJ, De Swaef S, Parmentier F// Univ Instelling Antwerp, Univ Plein 1, BE-2610 Wilrijk, Belgium  
*Chromatographia* 1998 **47** (7-8) 401  
Optimization of solvent selectivity for the chromatographic separation of fat-soluble vitamins using a mixture-design statistical technique
- Roomi MW, Tsao CS// Oregon State Univ, Linus Pauling Inst, 571 Weniger Hall, Corvallis, Or 97331, USA  
*J Agr Food Chem* 1998 **46** (4) 1406  
Thin-layer chromatographic separation of isomers of ascorbic acid and dehydroascorbic acid as sodium borate complexes on silica gel and cellulose plates
- Tirmenstein MA, Watson BW, Haar NC, Fariss MW\*// \*Washington State Univ, Coll Pharm, Dept Pharmaceut Sci, Pullman, Wa 99164, USA  
*J Chromatogr B* 1998 **707** (1-2) 308  
Sensitive method for measuring tissue  $\alpha$ -tocopherol and  $\alpha$ -tocopheryloxybutyric acid by high-performance liquid chromatography with fluorometric detection
- Watanabe F, Takenaka S, Abe K, Tamura Y, Nakano Y// Kochi Women's Univ, Dept Food & Nutr, Kochi 780, Japan  
*J Agr Food Chem* 1998 **46** (4) 1433  
Comparison of a microbiological assay and a fully automated chemiluminescent system for the determination of vitamin B<sub>12</sub> in food
- ## 7 TRACE ELEMENTS & MINERALS
- Allen LB, Siitonen PH, Thompson HC// Univ Wisconsin Parkside, Dept Chem, 900 Wood Rd, Kenosha, Wi 53141, USA  
*J Amer Oil Chem Soc* 1998 **75** (4) 477  
Determination of copper, lead, and nickel in edible oils by plasma and furnace atomic spectroscopies
- Kokot Z, Pawlaczyk J// K Marchinkowski Univ Med Sci, Dept Inorgan & Analyt Chem, 6 Grunwaldzka St, PL-60780 Poznan, Poland  
*Chem Anal* 1998 **43** (2) 215  
Determination of aluminium in dialysates and human serum by flow injection analysis and liquid chromatography with fluorimetric detection
- Sancho D, Vega M, Deban L\*, Pardo R, Gonzalez G// \*Univ Valladolid, Fac Ciencias, Dept Quim Analit, ES-47005 Valladolid, Spain  
*Analyst* 1998 **123** (4) 743  
Determination of copper and arsenic in refined beet sugar by stripping voltammetry without sample pretreatment
- ## 8 DRUG, BIOCIDES & PROCESSING RESIDUES
- Andersen ML, Skibsted LH\*// \*Royal Vet & Agr Univ, Dept Dairy & Food Sci, Rolighedsvej 30, DK-1958 Frederiksberg C, Denmark  
*J Agr Food Chem* 1998 **46** (4) 1272  
Electron spin resonance spin trapping identification of radicals formed during aerobic forced aging of beer
- De Boer J, Wells DE// Netherlands Inst Fishery Res, DLO, POB 68, NL-1970 AB IJmuiden, The Netherlands  
*Mar Pollut Bull* 1997 **35** (1-6) 52  
Chlorobiphenyls and organochlorine pesticides in fish and sediments: Three years of QUASIMEME laboratory performance studies
- Hodgson SC, O'Connor MJ, Casey KJ, Bigger SW\*// \*Victoria Univ Technol, Dept Chem Sci, POB 14428, MCMC, Melbourne, Vic 8001, Australia  
*J Agr Food Chem* 1998 **46** (4) 1397  
Toward an optimized dynamic headspace method for the study of volatiles in low-density polyethylene
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*J Agr Food Chem* 1998 **46** (4) 1410  
Determination of penicillin G in beef and pork tissues using an automated LC cleanup
- Okihashi M, Obana H, Hori S// Osaka Prefectural Inst Publ Hlth, Higashinari ku, 1-3-69 Nakamichi, Osaka 537, Japan  
*Analyst* 1998 **123** (4) 711  
Determination of N-methylcarbamate pesticides in foods using an accelerated solvent extraction with a mini-column cleanup
- Queffelec AL, Nodet P\*, Haelters JP, Thouvenot D, Corbel B// \*Technopole Brest Iroise, ESMISAB, Lab Microbiol & Secur Alimentaire, FR-29280 Plouzanze, France  
*J Agr Food Chem* 1998 **46** (4) 1670  
Hapten synthesis for a monoclonal antibody based ELISA for deltamethrin
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*J Chromatogr A* 1998 **803** (1-2) 227  
Analysis of nonpolar heterocyclic amines in cooked foods and meat extracts using gas chromatography-mass spectrometry
- Wells DE, Chiffolleau JF, Klungsoyr J// Dept Agr & Fisheries Scotland, Marine Lab, Victoria Rd, POB 101, Aberdeen AB9 8DB, Scotland  
*Mar Pollut Bull* 1997 **35** (1-6) 109  
QUASIMEME: A preliminary study on the effects of sample handling on the measurement of trace metals and organochlorine residues in mussels
- Yuan JP, Chen F\*// \*Univ Hong Kong, Dept Bot, Pokfulam Rd, Hong Kong, Peoples Rep China  
*J Agr Food Chem* 1998 **46** (4) 1286  
Separation and identification of furanic compounds in fruit juices and drinks by high-performance liquid chromatography photodiode array detection
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- Arce L, Rios A, Valcarcel M\*// \*Univ Cordoba, Fac Sci, Dept Analyt Chem, ES-14004 Cordoba, Spain  
*J Chromatogr A* 1998 **803** (1-2) 249  
Direct determination of biogenic amines in wine by integrating continuous flow clean-up and capillary electrophoresis with indirect UV detection
- Ben-Gigirey B, Craven C, An HJ// CECOPESCA, ANFACO, Campus Univ, POB 258, ES-36310 Vigo, Spain  
*J Food Sci* 1998 **63** (2) 210  
Histamine formation in albacore muscle analyzed by AOAC and enzymatic methods
- Linares RM, Ayala JH, Afonso AM, Gonzalez V\*// \*Univ La Laguna, Dept Analyt Chem Nutr & Food Sci, ES-38201 La Laguna, Spain  
*Analyst* 1998 **123** (4) 725  
Effect of non-ionic surfactants as mobile phase additives on the fluorescence intensity of dansyl derivatives of biogenic amines in high-performance thin-layer chromatography
- Mahendradatta M, Schwedt G\*// \*Univ Clausthal, Inst Anorgan & Analyt Chem Techn, Paul Ernst Str 4, DE-38678 Clausthal Zellerfeld, Germany  
*Z Lebensm Unters Forsch A-Food* 1998 **206** (4) 246  
Sample preparation for photometric determination of histamine in foodstuffs compared with capillary electrophoresis
- Mirocha CJ, Kolaczowski E, Xie WP, Yu H, Jelen H// Univ Minnesota, Dept Plant Pathol, St Paul, Mn 55108, USA  
*J Agr Food Chem* 1998 **46** (4) 1414  
Analysis of deoxynivalenol and its derivatives (batch and single kernel) using gas chromatography/mass spectrometry
- Newkirk DK, Benson RW, Howard PC, Churchwell MI, Doerge DR, Roberts DW\*// \*Nat'l Ctr Toxicol Res, Div Biochem Toxicol, 3900 NCTR Rd, Jefferson, Ar 72079, USA  
*J Agr Food Chem* 1998 **46** (4) 1677  
On-line immunoaffinity capture, coupled with HPLC and electrospray ionization mass spectrometry, for automated determination of fumonisins
- Partanen L, Valkonen K, Alatosava T// Oulu Univ, Redec Kajaani, Biotechnol Lab, Salmelantie 43, FI-88600 Sotkamo, Finland  
*Milchwissenschaft* 1998 **53** (3) 132  
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- Vahl M, Jorgensen K// Inst Food Res & Nutr, Danish Vet & Food Adm, Morkhoj Bygade 19, DK-2860 Soborg, Denmark  
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Determination of aflatoxins in food using LC/MS/MS

**10 ADDITIVES**

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 Identification of natural dyes added to food products (French, English Abstract)

**11 FLAVOURS & AROMAS**

Baek HH, Cadwallader KR// Dankook Univ, Dept Food Engr, Chunan 330714, South Korea  
*J Food Sci* 1998 **63** (2) 234  
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 Structure of neohesperidin dihydrochalcone  $\beta$ -cyclodextrin inclusion complex: NMR, MS, and X-ray spectroscopic investigation

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*J Sci Food Agr* 1998 **76** (4) 525  
 Monitoring sausage fermentation using an electronic nose

Guidotti M, Vitali M// Presidio Multizionale Prevenz, via Salaria Aquila 8, IT-02100 Rieti, Italy  
*Ind Aliment* 1998 **37** (368) 351  
 Identification of volatile organic compounds present in different honeys through SPME and GC/MS (Italian, English Abstract)

Jelen HH, Wlazly K, Wasowicz E, Kaminski E// Acad Agr Poznan, Inst Food Technol, Wojska Polskiego 31, PL-60624 Poznan, Poland  
*J Agr Food Chem* 1998 **46** (4) 1469  
 Solid-phase microextraction for the analysis of some alcohols and esters in beer: Comparison with static headspace method

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*Deut Lebensm-Rundsch* 1998 **94** (4) 123  
 Detection and determination of apricot kernels in marzipan products by using isoelectric focusing and PCR (German, English Abstract)

Niedz RP, Moshonas MG, Peterson B, Shapiro JP, Shaw PE// USDA/ARS, Hort Res Lab, 2120 Camden Rd, Orlando, FL 32803, USA  
*Plant Cell Tissue Organ Cult* 1997 **51** (3) 181  
 Analysis of sweet orange (*Citrus sinensis* (L.) Osbeck) callus cultures for volatile compounds by gas chromatography with mass selective detector

Pelletier E, Sostmann K, Guichard E// \*INRA, Rech Aromes Lab, 17 rue Sully, FR-21034 Dijon, France  
*J Agr Food Chem* 1998 **46** (4) 1506  
 Measurement of interactions between  $\beta$ -lactoglobulin and flavor compounds (esters, acids, and pyrazines) by affinity and exclusion size chromatography

Perez-Coello MS, Sanz J\*, Cabezedo MD// \*CSIC, Inst Quim Organ, Juan de la Cierva 3, ES-28006 Madrid, Spain  
*Chromatographia* 1998 **47** (7-8) 427  
 Gas chromatographic-mass spectrometric analysis of volatile compounds in oak wood used for ageing of wines and spirits

Roscher R, Bringmann G, Schreier P, Schwab W// \*Univ Wurzburg, Lehrstuhl Lebensmittelchem, Hubland, DE-97074 Wurzburg, Germany  
*J Agr Food Chem* 1998 **46** (4) 1488  
 Radiotracer studies on the formation of 2,5-dimethyl-4-hydroxy-3(2H)-furanone in detached ripening strawberry fruits

Royle L, Ames JM, Castle L, Nursten HE, Radcliffe CM// Univ Reading, Dept Food Sci & Technol, POB 226, Reading RG6 2AP, England  
*J Sci Food Agr* 1998 **76** (4) 579  
 Identification and quantification of class IV caramels using capillary electrophoresis and its application to soft drinks

Visser FR, Taylor M// New Zealand Dairy Res Inst, Private Bag 11 029, Palmerston North, New Zealand  
*J Sens Stud* 1998 **13** (1) 95  
 Improved performance of the American A32S electronic nose and its potential for detecting aroma differences in dairy products

Yven C, Guichard E, Giboreau A, Roberts DD// \*Nestlé Res Ctr, Vers Chez Les Blanc, CH-1000 Lausanne 26, Switzerland  
*J Agr Food Chem* 1998 **46** (4) 1510  
 Assessment of interactions between hydrocolloids and flavor compounds by sensory, headspace, and binding methodologies

**12 ORGANIC ACIDS**

Rangel AOSS, Toth IV// Univ Catolica Portuguesa, Escola Super Biotecnol,

Rua Dr Antonio Bernardino de Almeida, PT-4200 Oporto, Portugal

*Analyst* 1998 **123** (4) 661

Sequential determination of titratable acidity and tartaric acid in wines by flow injection spectrophotometry

**13 ANIMAL PRODUCTS**

Cespedes A, Garcia T\*, Carrera E, Gonzalez I, Sanz B, Hernandez PE, Martin R// \*Univ Complutense, Fac Vet, Dept Nutr & Bromatol Higiene & Tecnol Alimentos 3, ES-28040 Madrid, Spain

*J Food Sci* 1998 **63** (2) 206  
 Identification of flatfish species using polymerase chain reaction (PCR) amplification and restriction analysis of the cytochrome *b* gene

Chen H, Marks BP// Univ Arkansas, Dept Biol & Agr Engr, 203 Engr Hall, Fayetteville, Ar 72701, USA

*J Food Sci* 1998 **63** (2) 279  
 Visible/near-infrared spectroscopy for physical characteristics of cooked chicken patties

Lima JLFC, Delerue-Matos C\*, Vaz MCVF// \*UP Fac Farm, CEQUP, Dept Quim Fis, Rua Anibal Cunha 164, PT-4050 Oporto, Portugal  
*J Agr Food Chem* 1998 **46** (4) 1386

Flow injection system with potentiometric detection for the determination of urea content in milks

Quinteiro J, Sotelo CG\*, Rehbein H, Pryde SE, Medina I, Perez-Martin RI, Rey-Mendez M, Mackie IM// \*CSIC, Inst Invest Marinas, Eduardo Cabello 6, ES-36208 Vigo, Spain

*J Agr Food Chem* 1998 **46** (4) 1662  
 Use of mtDNA direct polymerase chain reaction (PCR) sequencing and PCR-restriction fragment length polymorphism methodologies in species identification of canned tuna

**14 PLANT & MICROBIAL PRODUCTS**

Casasent DA, Sipe MA, Schatzki TF, Keagy PM, Lee LC// Carnegie Mellon Univ, Pittsburgh, Pa 15213, USA

*Food Sci Technol-Lebensm Wiss* 1998 **31** (2) 122

Neural net classification of X-ray pistachio nut data

De Gaulejac NS, De Freitas V, Glories Y, Bourgeois G, Vivas N// \*Universite Victor Segalen, Fac Oenol, 351 Cours Libérat, FR-33405 Talence, France

*Sci Aliment* 1998 **18** (1) 59

Fractionation and determination of oligomeric procyanidins from grapes and wines: Relationship with wine quality (French, English Abstract)

Horie H, Kohata K// Natl Res Inst Vegetables Ornamental Plants & Tea, 2769 Kanaya, Shizuoka 428, Japan

*J Chromatogr A* 1998 **802** (1) 219

Application of capillary electrophoresis to tea quality estimation

Kinjo J, Hatakeyama M, Udayama M, Tsutanaga Y, Yamashita M, Nohara T\*, Yoshiki Y, Okubo K// \*Kumamoto Univ, Fac Pharmaceut Sci, 5-1 Oe Honmachi, Kumamoto 862, Japan

*Biosci Biotechnol Biochem* 1998 **62** (3) 429

HPLC profile analysis of oleanene-glucuronides in several edible beans

Ng LK, Hupe M// Revenue Canada, Lab & Sci Serv, Div Res & Dev, 79 Bentley Ave, Ottawa, Ontario, Canada K1A 0L5

*J Sci Food Agr* 1998 **76** (4) 617

Analysis of sterols: A novel approach for detecting juices of pineapple, passionfruit, orange and grapefruit in compounded beverages

Pupin AM, Dennis MJ, Parker I, Kelly S, Bigwood T, Toledo MCF// Univ Estadual Campinas, Ctr Pluridisciplinar Pesquisas Quim, CP 6171, BR-13081-970 Campinas, SP, Brazil

*J Agr Food Chem* 1998 **46** (4) 1369

Use of isotopic analyses to determine the authenticity of Brazilian orange juice (*Citrus sinensis*)

Sun BS, Leandro C, Da Silva JMR, Spranger I// \*Inst Nacl Invest Agr, Estacao Vitivinicola Nacl, PT-2560 Dois Portos, Portugal

*J Agr Food Chem* 1998 **46** (4) 1390

Separation of grape and wine proanthocyanidins according to their degree of polymerization

Watanabe J, Kawabata J\*, Niki R// \*Hokkaido Univ, Fac Agr, Dept Biosci & Chem, Kita ku, Sapporo, Hokkaido 060, Japan

*Biosci Biotechnol Biochem* 1998 **62** (3) 532

Isolation and identification of acetyl-CoA carboxylase inhibitors from green tea (*Camellia sinensis*)

Zupfer JM, Churchill KE, Rasmusson DC, Fulcher RG// \*University Minnesota, Department Food Sci & Nutr, 1334 Eckles Ave, St Paul, Mn 55108, USA

*J Agr Food Chem* 1998 **46** (4) 1350

Variation of ferulic acid concentration among diverse barley cultivars measured by HPLC and microspectrophotometry