

Bibliography of analytical, nutritional and clinical methods

(9 weeks journals - Search completed at 25th Mar 1998)

1 BOOKS, REVIEWS & SYMPOSIA

Analyst 1998 **123** (1)

Special section: The VI Nordic Symposium on Trace Elements in Human Health and Disease (Conference papers)

Magn Reson Chem 1997 **35**

Special issue: NMR in food science

Z Ernahrungswiss 1997 **36** (4)

Ist International Rostock Workshop on "Energy and Substrate Utilization: Methodological Aspects of *in vivo* Assessment in Animals and Man", Rostock, Germany, September 5-7, 1996

Bull CR, Zwigelaar R*^{*}, Speller RD// *Silsoe Res Inst, Wrest Pk, Silsoe MK45 4HS, Beds, England

J Food Eng 1997 **33** (1-2) 167

Review of inspection techniques based on the elastic and inelastic scattering of X-rays and their potential in the food and agricultural industry

Careri M, Mangia A, Musci M// Univ Parma, Dipt Chim Gen & Inorgan Chim Analit Chim, Viale Sci, IT-43100 Parma, Italy

J Chromatogr A 1998 **794** (1-2) 263

Overview of the applications of liquid chromatography/mass spectrometry interfacing systems in food analysis: Naturally occurring substances in food - Review

Clark T, Budde A, Iverson W, Kouhi-Lavender E, Maurice M, Ruel G, Smith G, Vang K, Wilson R, Munar M// Address not available.

J Amer Soc Brew Chemist 1997 **55** (4) 203

Review of β-glucan in wort by fluorescence

Curt C// CEMAGREF, Equipe Qualite Alimentaire, Domaine Laluas, FR-63200 Riom, France

Sci Aliment 1997 **17** (5) 435

Characterization of food products and processes by electrical conductimetry (Review) (French, English Abstract)

Haire DL, Chen GM, Janzen EG*, Fraser L, Lynch JA// *Univ Guelph, Ontario Vet Coll, Dept Clin Studies, Guelph, Ontario, Canada N1G 2W1

Food Res Int 1997 **30** (3-4) 249

Identification of irradiated foodstuffs: A review of the recent literature

Thienpont LM, Van Nuwenborg JE, Stockl D// State Univ Ghent, Analyt Chem Lab, Harelbekestr 72, BE-9000 Ghent, Belgium

J Chromatogr A 1997 **789** (1-2) 557

Ion chromatography as reference method for serum cations: Review

2 GENERAL

Colquhoun IJ// Inst Food Res, Norwich Res Park, Colney, Norwich NR4 7UA, England

Spectrosc Eur 1998 **10** (1) 8

High resolution NMR spectroscopy in food analysis and authentication

Dennis MJ// CSL Food Sci Lab, Norwich Res Pk, Norwich NR4 7UQ, England

Chem Ind-London 1997 (24) 997

Establishing food authenticity

Gotshal Y, Simhi R, Sela BA, Katzir A// Tel Aviv Univ, Raymond & Beverly Sackler Fac Exact Sci, Sch Phys & Astron, IL-69987 Tel Aviv, Israel

Sensor Actuator B-Chem 1997 **42** (3) 157

Blood diagnostics using fiberoptic evanescent wave spectroscopy and neural networks analysis

King JW// USDA/ARS, Natl Ctr Agr Utilizat Res, Food Qual & Safety Res Unit, 1815 Nth Univ St, Peoria, IL 61604, USA

JAOAC Int 1998 **81** (1) 9

Analytical supercritical fluid techniques and methodology: Conceptualization and reduction to practice

Peris-Janic N, Vujacic B// Univ Novi Sad, Fac Sci, Inst Chem, trg Dositeja Obradovica 3, YU-21000 Novi Sad, Yugoslavia

J Planar Chromat-Mod TLC 1997 **10** (6) 447

Analysis of some food components by thin-layer chromatography on unconventional layers

3 AMINO ACIDS, PROTEINS & ENZYMES

Abtahi S, Aminlari M*// *Shiraz Univ, Dept Biochem, IR-71345 Shiraz, Iran

J Agr Food Chem 1997 **45** (12) 4768

Effect of sodium sulfite, sodium bisulfite, cysteine, and pH on protein solubility and sodium dodecyl sulfate-polyacrylamide gel electrophoresis of soybean milk base

Bobe G, Beitz DC, Freeman AE, Lindberg GL*// *Iowa State Univ, Dept Anim Sci, Ames, IA 50011, USA

J Agr Food Chem 1998 **46** (2) 458

Separation and quantification of bovine milk proteins by reversed-phase high-performance liquid chromatography

Cleempunt G, Van Laere K, Hessing M, Van Leuven F, Torrekens S, Delcour JA*// *Katholieke Univ Leuven, Lab Levensmiddelenchem, Kardinaal Mercierlaan 92, BE-3001 Heverlee, Belgium

Plant Physiol 1997 **115** (4) 1619

Identification and characterization of a novel arabinoxylanase from wheat flour

Cruzado ID, Cockrell SL, McNeal CJ, Macfarlane RD*// *Texas A&M Univ, Dept Chem, College Station, TX 77843, USA

J Lipid Res 1998 **39** (1) 205

Characterization and quantitation of apolipoprotein B-100 by capillary electrophoresis

Davis CE, Cyrus S// USDA/ARS, Russell Res Ctr, POB 5677, Athens, GA 30613, USA

J Food Protect 1998 **61** (2) 253

Evaluation of a rapid method for measurement of catalase activity in cooked beef and sausage

Ferranti P, Itolli E, Barone F, Malorni A, Garro G, Laezza P, Chianese L, Migliaccio F, Stingo V, Addeo F// Univ Naples Federico II, Dipt Sci Alimenti, IT-80055 Portici, Italy

Lait 1997 **77** (6) 683

Combined high resolution chromatographic techniques (FPLC and HPLC) and mass spectrometry-based identification of peptides and proteins in Grana Padano cheese

Hindi-Tamelikecht F, Dauphin C, Hamon M, Grangaud JP, Pradeau D*// *Pharm Cent Hop Paris, Lab Cent Anal, 7 rue Fer Moulin, FR-75221 Paris 05, France

J Agr Food Chem 1997 **45** (12) 4758

Analytic and immunologic characterization of chickpea (*Cicer arietinum*) protein hydrolysates obtained by bromelain and α-chymotrypsin

Izawa N, Izumi T, Asakawa S, Hayashi K// Natl Federat Dairy Cooperat Assoc, Milk Prod Dev Res Inst, 1535 Matoba, Kawagoe, Saitama 350, Japan

J Jpn Soc Food Sci Technol 1997 **44** (12) 871

Application of capillary electrophoresis to the study of proteolysis during ripening of Gouda-type cheese (Japanese, English Abstract)

Kasarda DD, Woodard KM, Adalsteins AE// USDA/ARS, Western Reg Res Ctr, 800 Buchanan St, Albany, CA 94710, USA

Cereal Chem 1998 **75** (1) 70

Resolution of high molecular weight glutenin subunits by a new SDS-PAGE system incorporating a neutral pH buffer

Kiss LI, Kispeter J// Coll Food Ind, POB 433, HU-6701 Szeged, Hungary

Acta Aliment 1997 **26** (3) 193

Low-temperature thermoluminescence studies on milk protein concentrate powder

Laycock G, Chan S, Christopher D, Edney M, Jones B, Joyce M, Kuester H, Kouhi-Lavender E, Lewis P, Love D et al// Address not available.

J Amer Soc Brew Chemist 1997 **55** (4) 199

α-Amylase and diastatic power in malt by automated flow analysis

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.

- Li XZ, Innis-Whitehouse W, Brown WV, Le NA*// *Emory Univ, Div Atherosclerosis & Lipid Metab, 1639 Pierce Dr, Atlanta, Ga 30322, USA
J Lipid Res 1997 **38** (12) 2603
- Protocol for the preparation of a segmental linear polyacrylamide gradient gel: Simultaneous determination of Lp[a], LDL, and HDL particle sizes
 Miller R, Kuglin J, Gallagher S, Flurkey WH// Indiana State Univ, Dept Chem, Terre Haute, In 47809, USA
J Food Biochem 1997 **21** (6) 445
- A spectrophotometric assay for laccase using o-tolidine
 Mora-Gutierrez A, Kumosinski TF, Farrell HM// Prairie View A&M Univ, Cooperat Agr Res Ctr, Prairie View, Tx 77446, USA
J Agr Food Chem 1997 **45** (12) 4545
- Oxygen-17 nuclear magnetic resonance studies of bovine and caprine casein hydration and activity in deuterated sugar solutions
 Poschwatta J, Chan S, Christopher D, Duncombe D, Edney M, Fassett R, Garden S, Habernicht D, Johannes B, Joyce M *et alii* Address not available.
J Amer Soc Brew Chemist 1997 **55** (4) 183
- Protein and moisture in whole-grain barley and near-infrared spectroscopy
 Salmanowicz BP, Przybylska J// Polish Acad Sci, Inst Plant Genet, ul Strzeszynska 34, PL-60479 Poznan, Poland
Plant Syst Evol 1997 **208** (1-2) 1
- Comparative HPLC analysis of seed albumins from *Vicia faba* and *V. kalkensis* (Fabaceae)
 Taha SA// Zagazig Univ, Fac Agr, Dept Biochem, Zagazig, Egypt
Acta Aliment 1997 **26** (2) 117
- Prediction of durum wheat quality from electrophoretic and high-performance liquid chromatography pattern of gliadins
 Wellenberg GJ, Verstraten ERAM, Mars MH, Van Oirschot JT// DLO, ID, Inst Anim Sci & Hlth, Dept Mammalian Virol, Edelhertweg 15, POB 65, NL-8200 AB Lelystad, The Netherlands
J Clin Microbiol 1998 **36** (2) 409
- Detection of bovine herpesvirus 1 glycoprotein E antibodies in individual milk samples by enzyme-linked immunosorbent assays
 Xiong Z// Shandong Med Univ, Cent Lab Affiliated Hosp, CN-250012 Shandong, Peoples Rep China
J Chromatogr B 1997 **702** (1-2) 216
- Simple one-step procedure for the separation of apolipoproteins A1 and A2 by high-performance liquid chromatography
- ## 4 CARBOHYDRATES
- Corradini C, Canali G, Cogliandro E, Nicoletti I// CNR, Ist Cromatog, Area Ric, POB 10, IT-00016 Rome, Italy
J Chromatogr A 1997 **791** (1-2) 343
- Separation of alditolts of interest in food products by high-performance anion-exchange chromatography with pulsed amperometric detection
 Falk H, Stanek M, Wutka R// Johannes Kepler Univ, Inst Chem, Altenbergerstr 68, AU-4040 Linz, Austria
Starch 1997 **49** (12) 488
- Aspects of partially acetylated degraded amylopectins: A ¹³C NMR study
 Fronza G, Fuganti C*, Grasselli P, Reiero F, Guillou C, Breas O, Rossmann A, Hermann A// *Politecn Milan, Dipt Chim, CNR, Ctr Chim Sostanze Organ Nat, via Mancinelli 7, IT-20133 Milan, Italy
J Agr Food Chem 1998 **46** (2) 477
- Determination of the ¹³C content of glycerol samples of different origin
 Kasim AB, Edwards HM*// *Univ Georgia, Dept Poultry Sci, Athens, Ga 30602, USA
J Sci Food Agr 1998 **76** (1) 1
- The analysis for inositol phosphate forms in feed ingredients
 Lu TJ, Lacourse WR, Jane JL*// *Iowa State Univ, Dept Food Sci & Human Nutr, Ames, Ia 50011, USA
Starch 1997 **49** (12) 505
- Evaluating sodium salts as pushing agents on high-performance anion-exchange chromatography with pulsed amperometric detection for maltodextrin analysis
 Luis GP, Granda M, Badia R, Diaz-Garcia ME// Univ Oviedo, Dept Phys & Analyt Chem, Julian Claveria 8, ES-33006 Oviedo, Spain
Analyst 1998 **123** (1) 155
- Selective fluorescent chemosensor for fructose
 McCarthy S, Barros J, Burggraaf M, Collier J, Duncombe R, Gant C, Hancock I, Luttrell D, Ozaki K, Penarski J *et alii* Address not available.
J Amer Soc Brew Chemist 1997 **55** (4) 171
- Fermentable carbohydrates in wort and syrups by cation exchange high-performance liquid chromatography
 Rambla FJ, Garrigues S, Ferrer N, De la Guardia M// Univ Valencia, Dept Analys Chem, 50 Dr Moliner St, ES-46100 Valencia, Spain
Analyst 1998 **123** (2) 277
- Simple partial least squares-attenuated total reflectance Fourier transform infrared spectrometric method for the determination of sugars in fruit juices and soft drinks using aqueous standards
 Schindler R, Watkins M, Vonach R, Lendl B*, Kellner R, Sara R// *Tech Univ, Getreidemarkt 9-151, AU-1060 Vienna, Austria
Anal Chem 1998 **70** (2) 226
- Automated multivariate calibration in sequential injection Fourier transform infrared spectroscopy for sugar analysis
 Van Waes C, Baert J, Carlier L, Van Bockstaele E// Plant Breeding Inst, Burg Van Gansbergelaan 109, BE-9820 Merelbeke, Belgium
J Sci Food Agr 1998 **76** (1) 107
- A rapid determination of the total sugar content and the average inulin chain length in roots of chicory (*Cichorium intybus* L.)
 Villamiel M, Martinez-Castro I, Olano A, Corzo N*// *Inst Fermentaciones Ind, Juan Cierva 3, ES-28006 Madrid, Spain
Z Lebensm Unters Forsch A-Food 1998 **206** (1) 48
- Quantitative determination of carbohydrates in orange juice by gas chromatography
- ## 5 LIPIDS
- Araujo AN, Catita JAM, Lima JLFC, Zagatto EAG// Univ Oporto, CEQUP, Dept Quim Fis, Rua Anibal Cunha 164, PT-4050 Oporto, Portugal
Fresenius J Anal Chem 1998 **360** (1) 100
- Monosegmented flow analysis of slow enzymatic reactions: Determination of triglycerides in serum
 Bailey AL, Southon S// Inst Food Res, Nutr Diet & Hlth Dept, Norwich Res Park, Norwich NR4 7UA, England
Anal Chem 1998 **70** (2) 415
- Determination of total long-chain fatty acids in human plasma and lipoproteins, before and during copper-stimulated oxidation, by high-performance liquid chromatography
 Ballarini G, Sanvido P// Valbona SpA, Lab Chim Ind Conserve Alimentari, via Gelsi 2, IT-35034 Lozzo Atestino, PD, Italy
Ind Aliment 1997 **36** (365) 1486
- UV spectrophotometry of olive extra virgin oil used for vegetable preserves. Part I (Italian, English Abstract)
 Breas O, Guillou C, Reniero F*, Sada E, Angerosa F// *Joint Res Ctr, Environ Inst, Food & Drug Unit, TP740, IT-21020 Ispra, Italy
Rapid Commun Mass Spectrom 1998 **12** (4) 188
- Oxygen-18 measurement by continuous flow pyrolysis/isotope ratio mass spectrometry of vegetable oils
 Bruhl L// Fette Bundesanstalt Getreide Kartoffel & Fettforsch, Inst Chem & Phys, Piusallee 76, DE-48147 Munster, Germany
Fett-Lipid 1997 **99** (12) 428
- Determination of free fatty acids and diacylglycerols in native vegetable oils
 Careri M, Mangia A, Musci M*, Parolari G// *Univ Parma, Dipt Chim Gen & Inorgan Chim Analit Chim, Viale Sci 1, IT-43100 Parma, Italy
Chromatographia 1998 **47** (1-2) 42
- Development of gas chromatographic method for determination of cholesterol oxides in meat products
 Careri M, Ferretti D, Manini P, Musci M// Univ Parma, Dipt Chim Gen & Inorgan Chim Analit Chim, Viale Sci, IT-43100 Parma, Italy
J Chromatogr A 1998 **794** (1-2) 253
- Evaluation of particle beam high-performance liquid chromatography/mass spectrometry for analysis of cholesterol oxides
 Cert A, Moreda W, Garcia-Moreno J// CSIC, Inst Grasa, Avda Padre Garcia Tejero 4, ES-41012 Seville, Spain
Grasas Aceites 1997 **48** (4) 207
- Determination of sterols and triterpenic dialcohols in olive oils using HPLC separation and GC analysis. Standardization of the analytical method (Spanish, English Abstract)
 Chance DL, Gerhardt KO, Mawhinney TP*// *Univ Missouri, Dept Biochem, Room 4 Agr Bldg, Columbia, Mo 65211, USA
J Chromatogr A 1998 **793** (1) 91
- Gas-liquid chromatography/mass spectrometry of hydroxy fatty acids as their methyl esters *tert*-butyldimethylsilyl ethers
 Cruzian JL, Inhamuns AJ, Barrera-Arellano D// UNICAMP, FEA, Lab Oleos & Gorduras, CP 6091, BR-13081-970 Campinas, SP, Brazil
Grasas Aceites 1997 **48** (3) 148
- Determination of polar compounds by TLC-FID in refined and partially hydrogenated soya heated oils (Portuguese, English Abstract)
 Daghbouche Y, Garrigues S, De la Guardia M*// *Univ Valencia, Dept Analys Chem, 50 Dr Moliner St, ES-46100 Burjassot, Valencia, Spain
Anal Chim Acta 1997 **354** (1-3) 97
- Liquid chromatography-Fourier transform infrared spectrometric determination of cholesterol in animal greases
 Desimoni E, Tateo F// Univ Milan, Sez Chim Analit Agroalimentare & Ambiente, DIFCA, via Celoria 2, IT-20133 Milan, Italy
Ind Aliment 1997 **36** (365) 1503
- Evaluation of the uncertainty as a quality parameter of the analytical data: UE reference method for the detection of non-milk fats in milk fat (Italian, English Abstract)
 Dufour E, Raiublanc A// INRA, Etud Interact Mol Alimentaires Lab, BP 71627, FR-44316 Nantes 03, France

- Lait* 1997 **77** (6) 671
Potentiality of spectroscopic methods for the characterization of dairy products. II. Mid infrared study of the melting temperature of cream triacylglycerols and of the solid fat content in cream
- Engelsen SB// Royal Vet & Agr Univ, Dept Dairy & Food Sci, Rolighedsvej 30, DK-1958 Frederiksberg C, Denmark
J Amer Oil Chem Soc 1997 **74** (12) 1495
Explorative spectrometric evaluations of frying oil deterioration
- Harp TK, Hammond EG*// *Iowa State Univ, Dept Food Sci & Human Nutr, 3316A Food Sci Bldg, Ames, Ia 50011, USA
Lipids 1998 **33** (2) 209
Stereospecific analysis of soybean triacylglycerols
- Laakso P, Manninen P// Benecol Div, Raisio Grp, POB 101, FI-21201 Raisio, Finland
Lipids 1997 **32** (12) 1285
Identification of milk fat triacylglycerols by capillary supercritical fluid chromatography/atmospheric pressure chemical ionization mass spectrometry
- Lampi AM, Piironen V, Hopia A, Koivistoinen P// Univ Helsinki, Dept Appl Chem & Microbiol, POB 27, Viikki D, FI-00014 Helsinki, Finland
Food Sci Technol-Lebensm Wiss 1997 **30** (8) 807
Characterization of the oxidation of rapeseed and butter oil triacylglycerols by four analytical methods
- Lee DS, Noh BS, Bae SY, Kim K// Seoul Women's Univ, Dept Chem, Seoul 139774, South Korea
Anal Chim Acta 1998 **358** (2) 163
Characterization of fatty acids composition in vegetable oils by gas chromatography and chemometrics
- Lin B, Kubushiro K*, Akiba Y, Cui YX, Tsukazaki K, Nozawa S, Iwamori M// *Keio Univ, Dept Obstet & Gynecol, Shinjuku ku, 35 Shinanomachi, Tokyo 160, Japan
J Chromatogr B 1997 **704** (1-2) 99
Alteration of acidic lipids in human sera during the course of pregnancy: Characteristic increase in the concentration of cholesterol sulfate
- Mancini F, Miniati E, Montanari L// Univ Perugia, Ist Ind Agr, via S Contanzo, IT-06126 Perugia, Italy
Ital J Food Sci 1997 **9** (4) 323
Performance of some evaporative light scattering detectors (ELSD) in the analysis of triglycerides and phospholipids
- Miyake Y, Yokomizo K, Matsuzaki N// Ajinomoto Co Inc, Food Res & Dev Labs, Oils & Vegetable Prot Labs, Tsurumi ku, 7-41 Daikoku cho, Yokohama, Kanagawa 230, Japan
J Amer Oil Chem Soc 1998 **75** (1) 15
Rapid determination of iodine value by ¹H nuclear magnetic resonance spectroscopy
- Mordret F, Coustille JL, Lacoste F// Inst Corps Gras, rue Monge, Parc Ind, FR-33500 Pessac, France
OCL-Oi Corps Gras Lipides 1997 **4** (5) 364
Analysis of olive oil: Physical and chemical methods
- Nieto S, Cordoba AM, Sanhueza J, Valenzuela A// Univ Chile, INTA, Unidad Bioquim Farmacol & Lipidos, Casilla 138-11, Santiago, Chile
Grasas Aceites 1997 **48** (4) 197
Purification of highly purified fractions of eicosapentaenoic acid and docosahexaenoic acid from sardine oil by silver-resin chromatography: A semi-preparative procedure
- Peng CC, Tzen JTC*// *Natl Chunghsing Univ, Grad Inst Agr Biotechnol, Taichung 40227, Taiwan
Plant Cell Physiol 1998 **39** (1) 35
Analysis of the three essential constituents of oil bodies in developing sesame seeds
- Precht D// Bundesanstalt Milchforsch, Inst Chem & Phys, Postfach 60 69, DE-24121 Kiel, Germany
Kiel Milchwirt Forschungsber 1997 **49** (4) 269
Rapid determination of palmitic acid and octadecenoic acids in milk fat using triglyceride analysis based upon suited fat extraction methods (German, English Abstract)
- Rorbaek K, Jensen B*// *Tech Univ Denmark, Danish Inst Fisheries Res, Dept Seafood Res, DK-2800 Lyngby, Denmark
J Amer Oil Chem Soc 1997 **74** (12) 1607
Optimizing headspace sampling temperature and time for analysis of volatile oxidation products in fish oil
- Ruan BF, Gerst N, Emmons GT, Shey J, Schroepfer GJ*// *Rice Univ, Dept Biochem & Cell Biol, 6100 Main St, Houston, Tx 77005, USA
J Lipid Res 1997 **38** (12) 2615
Sterol synthesis. A timely look at the capabilities of conventional and silver ion high performance liquid chromatography for the separation of C₂₇ sterols related to cholesterol biosynthesis
- Sedman J, Van de Voort FR*, Ismail AA, Maes P// *McGill Univ, Dept Food Sci & Agr Chem, McGill IR Grp, MacDonald Campus, St Anne de Bellevue, Quebec, Canada H9X 3V9
J Amer Oil Chem Soc 1998 **75** (1) 33
Industrial validation of Fourier transform infrared *trans* and iodine value analyses of fats and oils
- Silversand C, Haux C// Gothenburg Univ, Dept Zoophysiol, Medicinaregatan 18, SE-41390 Gothenburg, Sweden
J Chromatogr B 1997 **703** (1-2) 7
Improved high-performance liquid chromatographic method for the separation and quantification of lipid classes: Application to fish lipids
- Skoglund E, Carlsson NG, Sandberg AS// Chalmers Univ Technol, SIK, Dept Food Sci, Box 5401, SE-40229 Gothenburg, Sweden
J Agr Food Chem 1997 **45** (12) 4668
Analysis of inositol mono- and diphosphate isomers using high-performance ion chromatography and pulsed amperometric detection
- Taylor SL, Eller FJ, King JW// USDA/ARS, Natl Ctr Agr Utilizat Res, Food Qual & Safety Res Unit, 1815 Nth Univ St, Peoria, Il 61604, USA
Food Res Int 1997 **30** (5) 365
A comparison of oil and fat content in oilseeds and ground beef: Using super-critical fluid extraction and related analytical techniques
- Tsaknis J, Lalas S, Hole M, Smith G, Tychopoulos V// Techol Educ Inst Athens, Dept Food Technol, AG Spiridonos Str, GR-12210 Athens, Greece
Analyst 1998 **123** (2) 325
Rapid high-performance liquid chromatographic method of determining malondialdehyde for evaluation of rancidity in edible oils
- Ulberth F, Gabernig R, Roubicek D// Agr Univ, Dept Dairy Res & Bacteriol, Gregor Mendel Str 33, AU-1180 Vienna, Austria
Z Lebensm Unters Forsch A-Food 1998 **206** (1) 21
Gas chromatographic triglycerides profiling of milk fat; comparison of packed and short metal capillary columns
- Velasco L, Fernandez-Martinez JM, De Haro A// Univ Gottingen, Inst Pflanzenbau & Pflanzenzuchtung, Dept Plant Breeding, Von Siebold Str 8, DE-37075 Gottingen, Germany
J Amer Oil Chem Soc 1997 **74** (12) 1595
Determination of the fatty acid composition of the oil in intact-seed mustard by near-infrared reflectance spectroscopy
- Volles DF, McKenney JM, Miller WG, Ruffen D, Zhang DB// Univ Virginia, Hlth Sci Ctr, Dept Pharm Serv, POB 10002, Charlottesville, Va 22906, USA
Pharmacotherapy 1998 **18** (1) 184
Analytic and clinical performance of two compact cholesterol-testing devices
- Wang PL, Tao BY*// *Purdue Univ, Dept Agr & Biol Engn, West Lafayette, In 47907, USA
J Amer Oil Chem Soc 1998 **75** (1) 9
Soy fatty acid oxidation with sodium hypochlorite monitored by nuclear magnetic resonance spectroscopy
- Yang CM, Grey AA, Archer MC, Bruce WR*// *Univ Toronto, Dept Nutr Sci, 150 Coll St, Toronto, Ontario, Canada M5S 2E3
Nutr Cancer 1998 **30** (1) 64
Rapid quantitation of thermal oxidation products in fats and oils by ¹H-NMR spectroscopy

6 VITAMINS & CO-FACTORS

- Agater IB, Jewsbury RA*// *Univ Huddersfield, Dept Chem & Biol Sci, Huddersfield HD1 3DH, England
Anal Chim Acta 1997 **356** (2-3) 289
Direct chemiluminescence determination of ascorbic acid using flow injection analysis
- Ake M, Mandrou B, Malan A// Fac Pharm Montpellier, Lab Chim Analyt, 15 Ave Charles Flahault, FR-34060 Montpellier 2, France
J AOAC Int 1998 **81** (1) 111
Determination of vitamin A in milk and flour consumed by one- to four-year-old children in Cote d'Ivoire
- Arbour NC, Ross TK, Zierold C, Prahl JM, De Luca HF*// *Univ Wisconsin, Dept Biochem, 420 Henry Mall, Madison, Wi 53706, USA
Anal Biochem 1998 **255** (1) 148
A highly sensitive method for large-scale measurements of 1,25-dihydroxy-vitamin D
- Argoudelis CJ// Univ Illinois, Dept Food Sci & Human Nutr, 268 Bevier Hall, 905 St Goodwin, Urbana, Il 61801, USA
J Chromatogr A 1997 **790** (1-2) 83
Simple high-performance liquid chromatographic method for the determination of all seven vitamin B₆ related compounds
- Asami S, Takamura M, Kimura Y, Suzuki T, Mugishima H, Uchikura K// Nihon Univ, Coll Pharm, 7-7-1 Narashinodai, Funabashi, Chiba 274, Japan
Bunseki Kagaku 1997 **46** (12) 943
Continuous measurement of retinoic acid isomers and retinol in a plasma by column-switching reversed-phase HPLC (Japanese, English Abstract)
- Chassaigne H, Lobinski R// Univ Bordeaux 1, CNRS/URA 348, 351 CRS Librat, FR-33405 Talence, France
Analyst 1998 **123** (1) 131
Direct species-selective determination of cobalamins by ionspray mass spectrometry and ionspray tandem mass spectrometry
- Drotleff AM, Terres W*// *Hannover Sch Vet Med, Inst Chem, Bischofsholer Damm 15, DE-30173 Hannover, Germany
Z Lebensm Unters Forsch A-Food 1998 **206** (1) 9

- Separation and characterization of *cis-trans* isomers of α -tocotrienol by HPLC using a permethylated β -cyclodextrin phase
Ferreira IMPLVO, Macedo MN, Ferreira MA// Univ Oporto, Fac Farm, CE-QUP, Lab Bromatol, Rua Anibal Cunha 164, PT-4050 Oporto, Portugal
Analyst 1997 **122** (12) 1539
- Enzymic flow injection determination of free L-carnitine in infant formulae
Hu Y, Hashimoto H, Moine G, Hengartner U, Koyama Y*// *Kwansei Gakuin Univ, Fac Sci, Nishinomiya, Hyogo 662, Japan
J Chem Soc Perkin Trans 2 1997 (12) 2699
- Unique properties of the 11-*cis* and 11,11'-di-*cis* isomers of β -carotene as revealed by electronic absorption, resonance Raman and ^1H and ^{13}C NMR spectroscopy and by HPLC analysis of their thermal isomerization
Ishigai M, Ishitani Y, Kurnaki K// Chugai Pharmaceut Co Ltd, Drug Metab & Pharmacokinet Res Lab, Toshima ku, 3-41-8 Takada, Tokyo 171, Japan
J Chromatogr B 1997 **704** (1-2) 11
- Characteristics of mass spectrometric analyses coupled to gas chromatography and liquid chromatography for 22-oxacalcitriol, a vitamin D₃ analog, and related compounds
Iwase H, Ono I// Ajinomoto Co Inc, Cent Res Labs, Kawasaki ku, 1-1 Suzuki cho, Kawasaki, Kanagawa 210, Japan
J Agr Food Chem 1997 **45** (12) 4664
- Determination of ascorbic acid in soups by high-performance liquid chromatography with electrochemical detection
Koivu TJ, Piironen VI, Henttonen SK, Mattila PH// Univ Helsinki, Dept Appl Chem & Microbiol, POB 27, FI-00014 Helsinki, Finland
J Agr Food Chem 1997 **45** (12) 4644
- Determination of phylloquinone in vegetables, fruits, and berries by high-performance liquid chromatography with electrochemical detection
Manzanares MI, Solis V*, De Rossi RH// *Univ Nacl, Dept Quim Fis, IN-FIQC, AP 4, CC 61, AR-5000 Cordoba, Argentina
J Electroanal Chem 1997 **430** (1-2) 163
- Effect of cyclodextrins on the electrochemical behaviour of ascorbic acid on platinum electrodes in acidic and neutral solutions
Molloy AM, Mills JL, Kirke PN, Whitehead AS, Weir DG, Scott JM*// *Univ Dublin Trinity Coll, Dept Biochem, Dublin 2, Rep Ireland
Clin Chem 1998 **44** (1) 186
- Whole-blood folate values in subjects with different methylenetetrahydrofolate reductase genotypes: Differences between the radioassay and microbiological assays (Letter)
Murthy ASN, Sharma J// Indian Inst Technol, Dept Chem, IN-110016 New Delhi, India
Talanta 1998 **45** (5) 951
- Benzooquinone modified electrode for sensing NADH and ascorbic acid
Nevado JJ, Pulgarin JAM*, Laguna MAG// *Univ Castilla la Mancha, Dept Analyt Chem & Food Technol, ES-13071 Ciudad Real, Spain
Analyst 1998 **123** (2) 287
- Spectrofluorimetric determination of vitamin K₃
Ortega-Barrales P, Cordova MLF, Molina-Diaz A*// *Univ Jaen, Dept Phys & Analyt Chem, ES-23071 Jaen, Spain
Anal Chem 1998 **70** (2) 271
- Microdetermination of vitamin B₁ in the presence of vitamins B₂, B₆, and B₁₂ by solid-phase UV spectrophotometry
Qin W, Zhang ZJ*, Liu HJ// *Shaanxi Normal Univ, Dept Chem, CN-710062 Xian, Peoples Rep China
Anal Chim Acta 1997 **357** (1-2) 127
- Chemiluminescence flow sensor for the determination of vitamin B₁₂
Shimada K, Higashi T, Hayashi R// Kanazawa Univ, Fac Pharmaceut Sci, 13-1 Takara machi, Kanazawa, Ishikawa 920, Japan
Anal Commun 1998 **35** (1) 33
- Characterization of (24*R*)-24,25-dihydroxyvitamin D₃ monoglucuronides formed from a rat liver microsomal fraction using high-performance liquid chromatography and liquid chromatography/mass spectrometry
Srividya K, Balasubramanian N*// *Indian Inst Technol, Dept Chem, IN-600036 Chennai, India
Chem Pharm Bull Tokyo 1997 **45** (12) 2100
- Indirect spectrophotometric determination of thiamine in pharmaceutical preparations
Strohschein S, Pursch M, Lubda D, Albert K*// *Univ Tubingen, Inst Organ Chem, Morgenstelle 18, DE-72076 Tubingen, Germany
Anal Chem 1998 **70** (1) 13
- Shape selectivity of C₃₀ phases for RP-HPLC separation of tocopherol isomers and correlation with MAS NMR data from suspended stationary phases
Sultan SM, Walmsley AD// Univ Hull, Sch Chem, Cottingham Rd, Hull HU6 7RX, England
Analyst 1997 **122** (12) 1601
- Simultaneous kinetic method for the determination of vitamin C, citrate and oxalate employing the Kalman filter
Sun JJ, Zhou DM, Fang HQ, Chen HY*// *Nanjing Univ, State Key Lab Coordinat Chem, Dept Chem, CN-210093 Nanjing, Peoples Rep China
Talanta 1998 **45** (5) 851
- The electrochemical copolymerization of 3,4-dihydroxybenzoic acid and aniline at microdisk gold electrode and its amperometric determination of ascorbic acid
Van Breemen RB, Nikolic D, Yu XY, Xiong YS, Van Lieshout M, West CE, Schilling AB// Univ Illinois, Coll Pharm, Dept Med & Pharmacognosy, 833 St Wood St, Chicago, IL 60612, USA
J Chromatogr A 1998 **794** (1-2) 245
- Development of a method for quantitation of retinol and retinyl palmitate in human serum using high-performance liquid chromatography/atmospheric pressure chemical ionization mass spectrometry
Wang HY, Mu SL*// *Yangzhou Univ, Teacher's Coll, Dept Chem, CN-225002 Yangzhou, Peoples Rep China
J Electroanal Chem 1997 **436** (1-2) 43
- Bioelectrochemical response of the polyaniline ascorbate oxidase electrode
Watanabe F, Abe K, Takenaka S, Fujita T, Nakano Y// Kochi Women's Univ, Dept Food & Nutr, Kochi 780, Japan
J Agr Food Chem 1997 **45** (12) 4661
- Method for quantitation of total vitamin B₁₂ in foods using a highly fluorescent vitamin B₁₂ derivative
Wen J, Morrissey PA*, Buckley DJ, Sheehy PJA// *Natl Univ Ireland, Univ Coll Cork, Dept Nutr, Cork, Rep Ireland
Meat Sci 1997 **47** (3-4) 301
- Supranutritional vitamin E supplementation in pigs: Influence on subcellular deposition of α -tocopherol and on oxidative stability by conventional and derivative spectrophotometry
Xue TL, Piironen V, Hartikainen H// Chinese Acad Sci, Inst Geog, CN-100101 Beijing, Peoples Rep China
Agribiol Res 1997 **50** (3) 265
- A small-scale HPLC method for determination of α -tocopherol in fresh plant tissue
Zhu M, Huang XM, Li J, Shen HX*// *Nankai Univ, Dept Chem, CN-300071 Tianjin, Peoples Rep China
Anal Chim Acta 1997 **357** (3) 261
- Peroxidase-based spectrophotometric methods for the determination of ascorbic acid, norepinephrine, epinephrine, dopamine and levodopa

7 TRACE ELEMENTS & MINERALS

- Ahluwalia N, Lonnerdal B, Lorenz SG, Allen LH// Penn State Univ, Dept Nutr, University Park, Pa 16802, USA
Amer J Clin Nutr 1998 **67** (1) 88
- Spot ferritin assay for serum samples dried on filter paper
Apostoli P, Porru S, Morandi C, Menditto A// Univ Brescia, Inst Occupat Hlth, P Spedali Civili 1, IT-25125 Brescia, Italy
J Trace Elem Med Biol 1997 **11** (3) 182
- Multiple determination of elements in human seminal plasma and spermatozoa
Bonvehi JS, Coll FV// Generalitat Catalonia, Agr & Food Lab, ES-08348 Barcelona, Catalonia, Spain
Acta Aliment 1997 **26** (3) 243
- A chemical study of the mineral fraction of Tarragona hazelnuts (*Corylus avellana* L.)
Boulyga SF, Zhuk IV, Lomonosova EM, Kievetz MK, Denschlag HO, Zauner S, Malchenko AF, Kanash NV, Bazhanova NN// Radiat Phys & Chem Problems Inst, Minsk, Belarus
J Radioanal Nucl Chem 1997 **222** (1-2) 11
- Determination of microelements in thyroids of the inhabitants of Belarus by neutron activation analysis using the k₀-method
Bruhn CG, Neira JY, Valenzuela GD, Nobrega JA// Concepcion Univ, Dept Anal Instrumental, POB 237, Concepcion, Chile
J Anal Atom Spectrom 1998 **13** (1) 29
- Chemical modifiers in a tungsten coil electrothermal atomizer. Part I. Determination of lead in hair and blood
Buldini PL, Cavalli S, Trifiro A// CNR, POB 115 Ctr, IT-47023 Cesena, Italy
J Chromatogr A 1997 **789** (1-2) 529
- State-of-the-art ion chromatographic determination of inorganic ions in food
Buldini PL, Ferri D, Sharma JL// Address as above
J Chromatogr A 1997 **789** (1-2) 549
- Determination of some inorganic species in edible vegetable oils and fats by ion chromatography
Camean A, Lopez-Artiguez M, Roca I, Herce-Pagliai C, Menendez M, Repetto M// Univ Sevilla, Dept Bioquim Bromatol & Toxicol, ES-41012 Seville, Spain
J Food Protect 1998 **61** (1) 129
- Determination of cobalt, manganese, and alcohol content in beers
Chylkova J, Riha V, Kolarova H// Univ Pardubice, Dept Environm Protect, Namesti CS Legii 565, CR-53210 Pardubice, Czech Republic
Chem Listy 1997 **91** (12) 1069
- Determination of nitrates in vegetables using simultaneous photometric titration (Czech, English Abstract)
Conti ME// Univ Roma La Sapienza, Ist Merceol, Via Castro Laurenziano 9, IT-00161 Rome, Italy
Food Res Int 1997 **30** (5) 343
- The content of heavy metals in food packaging paper boards: An atomic ab-

- sorption spectroscopy investigation
Dos Santos EJ, De Oliveira E// Inst Tecnol do Parana (TECPAR), CP 357, BR-81310-020 Curitiba Parana, Brazil
Arq Biol Tecnol 1997 **40** (3) 632
- Evaluation and establishment of the digestion procedure of soluble coffee for nutrient and inorganic contaminants determination by ICP-AES analysis (Portuguese, English Abstract)
Enriquez-Dominguez MF, Yebra-Biurrun MC, Bermejo-Barrera MP// Univ Santiago, Dept Analyt Chem Nutr & Bromatol, ES-15706 Santiago de Compostela, Spain
Analyst 1998 **123** (1) 105
- Determination of cadmium in mussels by flame atomic absorption spectrometry with preconcentration on a chelating resin in a flow injection system
Favarro DIT, Hui MLT, Cozzolino SMF, Maihara VA, Armelin MJA, Vasconcelos MBA, Yuyama LK, Boaventura GT, Tramonte VL// Comissao Nacl Energia Nucl, Inst Pesquisas Energet & Nucl, CP 11049, BR-05422-970 Sao Paulo, Brazil
J Trace Elem Med Biol 1997 **11** (3) 129
- Determination of various nutrients and toxic elements in different Brazilian regional diets by neutron activation analysis
Fonseca RW, Miller-Ihl NJ*, Sparks C, Holcombe JA, Shaver B// *USDA/ARS, Beltsville Human Nutr Res Ctr, Food Composit Lab, Beltsville, Md 20705, USA
Appl Spectrosc 1997 **51** (12) 1800
- Effect of oxygen ashing on analyte transport efficiency using ETV-ICP-MS
Gambino R, Desvarieux E, Orth M, Matan H, Ackattupathil T, Lijoi E, Wimmer C, Bower J, Gunter E// Quest Diagnost Inc, 1 Malcolm Ave, Teterboro, NJ 07608, USA
Clin Chem 1997 **43** (12) 2408
- The relation between chemically measured total iron-binding capacity concentrations and immunologically measured transferrin concentrations in human serum
Hardy S, Jones P*// *Univ Plymouth, Dept Environm Sci, Drakes Circus, Plymouth PL4 8AA, England
J Chromatogr A 1997 **791** (1-2) 333
- Capillary electrophoresis determination of methylmercury in fish and crab meat after extraction as the dithizone sulphonate complex
Harlyk C, McCourt J, Bordin G*, Rodriguez AR, Van der Eeckhout A// *Inst Reference Mat & Measurements, Retieseweg, BE-2440 Geel, Belgium
J Trace Elem Med Biol 1997 **11** (3) 137
- Determination of copper, zinc and iron in broncho-alveolar lavages by atomic absorption spectroscopy
Hsiung CS, Andrade JD, Costa R, Ash KO*// *Univ Utah, Dept Pathol, 500 Chipeta Way, Salt Lake City, Ut 84108, USA
Clin Chem 1997 **43** (12) 2303
- Minimizing interferences in the quantitative multielement analysis of trace elements in biological fluids by inductively coupled plasma mass spectrometry
Ianova E, Yan XP, Adams F*// *Univ Instelling, Dept Chem, Antwerp, Belgium
Anal Chim Acta 1997 **354** (1-3) 7
- Determination of bismuth in cod muscle, lake and river sediment by flow injection on-line sorption preconcentration in a knotted reactor coupled with electrothermal atomic absorption spectrometry
Jiang ZL, Liu XH, Zhao MX, Mo WM// Guangxi Normal Univ, Ctr Comp & Anal Testing, CN-541004 Guilin, Peoples Rep China
Anal Chim Acta 1997 **354** (1-3) 359
- Novel photochemical voltammetric method for the determination of traces of iron in tea
Leblebici J, Volkan M// Sugar Inst, Analyt Dept, TR-06790 Ankara, Turkey
J Agr Food Chem 1998 **46** (1) 173
- Sample preparation for arsenic, copper, iron, and lead determination in sugar
Lima JLFC, Rangel AOSS*, Souto MRS, Zagatto EAG// *Univ Catolica Portuguesa, Escola Super Biotechnol, rua Dr Antonio Bernardino Almeida, PT-4200 Oporto, Portugal
Anal Chim Acta 1997 **356** (2-3) 259
- Turbidimetric flow-injection determination of total nitrogen and potassium in vegetables
Martin MJ, Pablos F, Gonzalez AG*// *Univ Seville, Dept Analyt Chem, ES-41012 Seville, Spain
Anal Chim Acta 1998 **358** (2) 177
- Characterization of green coffee varieties according to their metal content
Mestek O, Curdova E, Koplik R, Zima T// Inst Chem Technol, Dept Analyt Chem, Technicka 5, CR-16628 Prague 6, Czech Republic
Chem Listy 1997 **91** (12) 1059
- Direct determination of Cu and Zn in whole human blood by ICP-MS (Czech, English Abstract)
Morais S, Alcaina-Miranda MI, Lazaro F, Planta M, Maquieira A, Puchades R*// *Univ Politecn, Dept Quim, Camino Vera 14, ES-46071 Valencia, Spain
Anal Chim Acta 1997 **353** (2-3) 245
- Evaluation of the dialysing yield of membranes with different composition. Application to the analysis of chloride in fruit juices by flow injection
Ohno N, Sakai T// Asahi Univ, Sch Business Adm, Chem Lab, 1851 Hozumi, Hozumi, Gifu 50102, Japan
Bunseki Kagaku 1997 **46** (12) 937
- Spectrophotometric determination of iron, copper and zinc in sera using 2-(5-nitro-2-pyridylazo)-5-(N-propyl-N-sulfopropylamino)phenol (Japanese, English Abstract)
Sato M, Yoshimura H, Shimmura T, Obi H, Hatakeyama S, Kaneko E, Hosino H, Yotsuyanagi T*// *Tohoku Univ, Dept Appl Chem, Aoba ku, Sendai, Miyagi 98077, Japan
J Chromatogr A 1997 **789** (1-2) 361
- Fluorometric determination of serum and urinary aluminium with 8-quinolinol by kinetic-differentiation-mode micellar chromatography
Taylor A// Univ Surrey, Robens Inst Hlth & Safety, Trace Element Lab, Guildford GU2 5XH, England
J Trace Elem Med Biol 1997 **11** (3) 185
- Applications of recent developments for trace element analysis
Van Dalen G// Unilever Res Labs, POB 114, NL-3130 AC Vlaardingen, The Netherlands
X-Ray Spectrometry 1998 **27** (1) 26
- Determination of the phosphorus and sulphur content in edible oils and fats by wavelength-dispersive X-ray fluorescence spectrometry
Van Elteren JT, Slejkovec Z// Delft Univ Technol, Interfac Reactor Inst, Mekelweg 15, NL-2629 JB Delft, The Netherlands
J Chromatogr A 1997 **789** (1-2) 339
- Ion-exchange separation of eight arsenic compounds by high-performance liquid chromatography/UV decomposition/hydride generation/atomic fluorescence spectrometry and stability tests for food treatment procedures
Viksnas A, Lindgren ES*// *Chalmers Univ Technol, Dept Environm Phys, SE-41296 Gothenburg, Sweden
Anal Chim Acta 1997 **353** (2-3) 307
- Determination of lead and cadmium in whole blood of mothers and their babies
Vinas P, Campillo N, Lopez-Garcia I, Hernandez-Cordoba M*// *Univ Murcia, Fac Chem, Dept Analyt Chem, ES-30071 Murcia, Spain
Anal Chim Acta 1997 **356** (2-3) 267
- Electrothermal atomic absorption spectrometric determination of molybdenum, aluminium, chromium and manganese in milk
Yamanishi H, Kimura S, Iyama S, Yamaguchi Y, Yanagihara T// Osaka Univ Hosp, Cent Lab Clin Invest, 2-15 Yamadaoka, Suita, Osaka 565, Japan
Clin Chem 1997 **43** (12) 2413
- Fully automated measurement of total iron-binding capacity in serum
Yen CC, Chen WK, Wang CP, You JN, You WC, Yu JJ, Lee YJ, Chung C, Kuo SC// Chung Shah Med & Dent Coll, Inst Toxicol, Taichung, Taiwan
J Chin Chem Soc 1997 **44** (6) 585
- Selenium determination in serum by graphite furnace atomic spectrometry
- ## 8 DRUG, BIOCIDE & PROCESSING RESIDUES
- Anastassiades M, Scherbaum E// Chem & Veterinaruntersuchungsamt Stuttgart, Schaflandstr 3-2, DE-70736 Fellbach, Germany
Deut Lebensm-Rundsch 1997 **93** (12) 393
- Multiresidue method for determination of pesticide residues in citrus fruits by GC-MSD. Part II: Analysis of citrus fruits of different origin (German, English Abstract)
Ang CYW, Luo WH, Kiessling CR, McKim K, Lochmann R, Walker CC, Thompson HC// US/FDA, Natl Ctr Toxicol Res, Div Chem, 3900 NCTR Rd, Jefferson, Ar 72079, USA
J AOAC Int 1998 **81** (1) 33
- A bridging study between liquid chromatography and microbial inhibition assay methods for determining amoxicillin residues in catfish muscle
Biles JE, McNeal TP, Begley TH// US/FDA, Off Premarket Approval, HFS-248, 200 C St SW, Washington, DC 20264, USA
J Agr Food Chem 1997 **45** (12) 4697
- Determination of bisphenol A migrating from epoxy can coatings to infant formula liquid concentrates
Carretero AS, Blanco CC*, Barrero FA, Gutierrez AF// *Univ Granada, Fac Sci, Dept Analyt Chem, ES-18071 Granada, Spain
J Agr Food Chem 1998 **46** (2) 561
- Method for the quantitative determination of 1-naphthaleneacetic acid in spiked canned pineapple samples by micelle-stabilized room temperature phosphorescence
Chan HM// McGill Univ, Ctr Indigenous Peoples Nutr & Environm, Quebec City, Quebec, Canada H9X 3V9
Food Addit Contam 1998 **15** (2) 127
- A database for environmental contaminants in traditional foods in northern and Arctic Canada: Development and applications
Chen AW, Fink JM, Letinski DJ, Barrett GP, Pearsall JC// FMC Corp, Residue Chem Dept, Agr Prod Grp, POB 8, Princeton, NJ 08543, USA
J Agr Food Chem 1997 **45** (12) 4850
- Residue of cypermethrin and its major acid metabolites in milk and tissues from dairy bovines treated with cypermethrin
Crooks SRH, Baxter AG, Traynor IM, Elliott CT, McCaughey WJ// Vet Sci

- Div, Residue Lab, Stoney Lab, Belfast BT4 3SD, Northern Ireland
Analyst 1998 **123** (2) 355
- Detection of ivermectin residues in bovine liver using an enzyme immunoassay
 Dasenbrock CO, La Course WR// Univ Maryland, Analyt Div, 1000 Hilltop Circle, Baltimore, Md 21250, USA
Chemtech 1998 **28** (1) 26
- Measuring traces of antibiotics in milk
 Dusi G, Fierro A, Tognoli N// Univ Brescia, Ist Zooprofilatt Sperimentale, Dipt Chim, via Bianchi 7, IT-25124 Brescia, Italy
Ital J Food Sci 1997 **9** (4) 337
- HPLC determination of ivermectin residues in milk for human consumption
 Faller C, Podestat U, Hadrich J*, Senn J, Diehl Y// *Chem Landesuntersuchungsanstalt Freiburg, Bissierstr 5, DE-79114 Freiburg, Germany
Deut Lebensm-Rundsch 1998 **94** (1) 9
- Detection and quantification of progesterone in serum samples using enzyme linked immunoassay (ELISA) (German, English Abstract)
 Ferrini AM, Mannoni V, Aureli P// *Ist Super Sanita, Food Microbiol Lab, Viale Regina Elena 299, IT-00161 Rome, Italy
Arch Lebensmittelhyg 1997 **48** (6) 133
- The combined plates microbial assay (CPMA) technique for the detection and presumptive identification of β -lactam, sulfonamide, streptomycin and tetracycline residues in meat
 Gaillard Y, Balland A, Doucet F, Pepin G// Toxlab, 18 rue Andre del Sarte, FR-75018 Paris, France
J Chromatogr B 1997 **703** (1-2) 85
- Detection of illegal clenbuterol use in calves using hair analysis: Application in meat quality control
 Gautam S, Sharma A*, Thomas P// *Bhabha Atom Res Ctr, Food Technol Div, IN-400085 Bombay, India
Int J Food Sci Nutr 1998 **49** (1) 11
- A simple bacterial turbidimetric method for detection of some irradiated foods
 Gavril D, Karaiskakis G*// *Univ Patras, Dept Chem, GR-26500 Patras, Greece
Chromatographia 1998 **47** (1-2) 63
- Interaction studies of vinylchloride with liquid foods by gas chromatography
 Gleixner A, Meyer HHD// F Hoffmann La Roche & Co Ltd, Vitamins Div, Human Nutr & Hlth Dept, CH-4070 Basel, Switzerland
Amer Lab 1997 **29** (24) 44
- Methods to detect anabolics in hair: Use for food hygiene and doping control
 Hansen SL, Krueger WJ, Dunn LB, Artz WE// *Univ Illinois, Dept Food Sci & Human Nutr, 382 Agr Engn Sci Bldg, 1304 West Penn Ave, Urbana, IL 61801, USA
J Agr Food Chem 1997 **45** (12) 4730
- Nuclear magnetic resonance and gas chromatography/mass spectroscopy analysis of the nonvolatile components produced during heating of oleic acid esterified propoxylated glycerol, a fat substitute model compound, and trioleylglycerol
 Hartmann S, Steinhart H// *Univ Hamburg, Inst Biochem & Food Chem, Grindelallee 117, DE-20146 Hamburg, Germany
J Chromatogr B 1997 **704** (1-2) 105
- Simultaneous determination of anabolic and catabolic steroid hormones in meat by gas chromatography/mass spectrometry
 Hiskia AE, Atmajidou ME, Tsipis DF// NCSR Demokritos, Inst Phys Chem, GR-15310 Athens, Greece
J Agr Food Chem 1998 **46** (2) 570
- Determination of organophosphorus pesticide residues in Greek virgin olive oil by capillary gas chromatography
 Juhel-Gaugain M, Abjean JP// Ctr Natl Etud Vet & Alimentaires, Lab Medicaments Vet, FR-35133 Javene, France
Chromatographia 1998 **47** (1-2) 101
- Screening of quinolone residues in pig muscle by planar chromatography
 Keever J, Voyksner RD*, Tyczkowska KL// *Res Triangle Inst, POB 12194, Res Triangle Park, NC 27709, USA
J Chromatogr A 1998 **794** (1-2) 57
- Quantitative determination of ceftiofur in milk by liquid chromatography/electrospray mass spectrometry
 Koniger M, Ziegler W, Wallnöfer PR// *Bayer Landesanstalt Ernährung, Menzingerstr 54, DE-80638 Munich, Germany
Deut Lebensm-Rundsch 1997 **93** (12) 378
- Determination of thiabendazole transferred to hands during juice production (German, English Abstract)
 Korsrud GO, Boison JO, Nouws JFM, MacNeil JD// Canadian Food Inspect Agcy, Ctr Vet Drug Residues, 116 Vet Rd, Saskatoon, Saskatchewan, Canada S7N 2R3
J AOAC Int 1998 **81** (1) 21
- Bacterial inhibition tests used to screen for antimicrobial veterinary drug residues in slaughtered animals
 Lambert C, Larroque M// Fac Pharm, Lab Chim Analyt, Ave Charles Flahault, FR-34060 Montpellier, France
Sci Aliment 1997 **17** (5) 457
- Dynamic head-space analysis of epoxy coatings for food usage (French, English Abstract)
 Ling YC, Teng HC// Natl Tsing Hua Univ, Dept Chem, Hsinchu 30043, Taiwan
J Chromatogr A 1997 **790** (1-2) 153
- Supercritical fluid extraction and clean-up of organochlorine pesticides and polychlorinated biphenyls in mussels
 Linssen JPH, Rijnen L, Legger-Huijsman A, Roozen JP// Wageningen Univ Agr, Dept Food Sci, Food & Bioproc Engn Grp, POB 8129, NL-6700 EV Wageningen, The Netherlands
Food Addit Contam 1998 **15** (1) 79
- Combined GC and sniffing port analysis of volatile compounds in rubber rings mounted on beer bottles
 Malfeito-Ferreira M, Tareco M, Loureiro V*// *Inst Super Agron, Dept Bot & Engn Biol, Microbiol Lab, Tapada Ajuda, PT-1399 Lisbon, Portugal
Int J Food Microbiol 1997 **38** (2-3) 143
- Fatty acid profiling: A feasible typing system to trace yeast contamination in wine bottling plants
 Menezes ML, Felix G, Demarchi ACCO// UNESP, Dept Quim, Avda Edmundo C Coube s/n, BR-17033-360 Sao Paulo, Brazil
Chromatographia 1998 **47** (1-2) 81
- On-line extraction and determination of carbofuran in raw milk by direct HPLC injection on an ISRP column
 Metois P, Scholler D, Bouquant J, Feigenbaum A// ENSIA, Dept Sci Aliment, 1 Ave Olympiades, FR-91305 Massy, France
Food Addit Contam 1998 **15** (1) 100
- Alternative test methods to control the compliance of polyolefin food packaging materials with the European Union regulation: The case of aromatic anti-oxidants and of bis(ethanolamine) antistatics based on $^1\text{H-NMR}$ and UV-visible spectrophotometry
 Navickiene S, Kato MH, Polese L, Minelli EV*, Ribeiro ML// *UNESP, Dept Quim Organ, CP 355, BR-14800-900 Araraquara, SP, Brazil
Fresenius J Anal Chem 1998 **360** (2) 252
- Gas chromatographic determination of deltamethrin in crops
 Nunes GS, Ribeiro ML, Polese L, Barcelo D// *CSIC, CID, Dept Environm Chem, Jordi Girona 18-26, ES-08034 Barcelona, Spain
J Chromatogr A 1998 **795** (1) 43
- Comparison of different clean-up procedures for the determination of *N*-methylcarbamate insecticides in vegetable matrices by high-performance liquid chromatography with UV detection
 Okerman L, Van Hoof J, Debeuckelaere W// State Univ Ghent, Fac Vet Med, Dept Food Hyg, Salisburylaan 133, BE-9820 Merelbeke, Belgium
J AOAC Int 1998 **81** (1) 51
- Evaluation of the European four-plate test as a tool for screening antibiotic residues in meat samples from retail outlets
 Pizzoferrato L, Paci M, Rotilio G// Ist Nazl Nutr, via Ardeatina 546, IT-00178 Rome, Italy
J Agr Food Chem 1998 **46** (2) 438
- Structural modification and bioavailability of starch components as related to the extent of Maillard reaction: An enzymatic degradation and a solid-state ^{13}C CPMAS NMR study
 Pouliquen H, Fauconnet V, Morvan ML, Pinault L// Ecole Natl Vet, Lab Chimiotherapie Aquacole & Environm, BP 40706, FR-44307 Nantes 03, France
J Chromatogr B 1997 **702** (1-2) 143
- Determination of warfarin in the yolk and the white of hens' eggs by reversed-phase high-performance liquid chromatography
 Pouliquen H, Gouelo D, Larhantec M, Pilet N, Pinault L// Ecole Natl Vet, Lab Pharm & Toxicol, Atlanpole Chantrerie, BP 40706, FR-44307 Nantes 03, France
J Chromatogr B 1997 **702** (1-2) 157
- Rapid and simple determination of oxolinic acid and oxytetracycline in the shell of the blue mussel (*Mytilus edulis*) by high-performance liquid chromatography
 Roeder RA, Garber MJ, Schelling GT// Univ Idaho, Dept Anim & Vet Sci, Moscow, Id 83844, USA
J Anim Sci 1998 **76** (1) 142
- Assessment of dioxins in foods from animal origins
 Ting KC, Kho PK// State Calif Dept Food & Agr, Ctr Analyt Chem, 169 East Liberty Ave, Anaheim, Ca 92801, USA
J AOAC Int 1998 **81** (1) 93
- Determination of trace 2,4-dichlorophenoxyacetic acid in fresh produce by gas chromatography with boron trichloride 2-chloroethanol derivatization
 Van Wickern B, Simat T, Steinhart H// *Univ Hamburg, Inst Biochem & Food Chem, Grindelallee 117, DE-20146 Hamburg, Germany
Z Lebensm Unters Forsch A-Food 1997 **205** (6) 446
- HPLC analysis of γ -irradiation-induced products of tryptophan in peptides and lysozyme
 Verdon E, Couedor P// Ministere Agr & Peche, Ctr Natl Etude Vet & Alimentaire, Lab Medicaments Vet, FR-35133 Fougeres, France
J Chromatogr B 1998 **705** (1) 71
- Determination of isoxazolylpenicillins residues in milk by ion-pair reversed-

- phase high-performance liquid chromatography after precolumn derivatization
Villberg K, Veijanen A, Gustafsson I, Wickstrom K// Univ Jyvaskyla, Dept Chem, POB 35, FI-40351 Jyvaskyla, Finland
J Chromatogr A 1997 **791** (1-2) 213
- Analysis of odour and taste problems in high-density polyethylene
Volmer DA// Merck KGaA, Cent Res Anal (ZD-A/ZFA), Frankfurter Str 250, DE-64271 Darmstadt, Germany
J Chromatogr A 1998 **794** (1-2) 129
- Investigation of photochemical behavior of pesticides in a photolysis reactor coupled on-line with a liquid chromatography/electrospray ionization tandem mass spectrometry system: Application to trace and confirmatory analyses in food samples
Yu GYF, Murby EJ*, Wells RJ// *Australian Govt, Analyt Labs, POB 385, Pymble, NSW 2073, Australia
J Chromatogr B 1997 **703** (1-2) 159
- Gas chromatographic determination of residues of thyrostatic drugs in bovine muscle tissue using combined resin mediated methylation and extraction
Zigrovic I, Versluis C, Horvat S, Heerma W// "Ruder Boskovic" Inst, Dept Organ Chem & Biochem, PO Box 1016, CR-10001 Zagreb, Croatia
Rapid Commun Mass Spectrom 1998 **12** (4) 181
- Mass spectrometric characterization of Amadori compounds related to the opioid peptide morphiceptin
- ## 9 TOXINS
- Ahmed IA, Robinson RK// *Cent Food Control Lab, POB 3717, Ajman Municipal, United Arab Emirates
J Agr Food Chem 1998 **46** (2) 580
- Selection of a suitable method for the analysis of aflatoxins in date fruits
Boenke A// Commiss European Communities, Stand & Measurement & Testing Programme, 200 rue Loi, BE-1049 Brussels, Belgium
Trend Anal Chem 1998 **17** (1) 10
- Method validation for mycotoxin determinations in food and feedstuffs
Dixon LG, Hamdy MK*, Hayden MA, Lancette GA// *Univ Georgia, Dept Food Sci, Athens, Ga 30602, USA
J Rapid Method Autom Microbiol 1997 **5** (4) 269
- ELISA for detecting okadaic acid in model systems using purified polyclonal antibodies
Egan SV, Yeoh HH, Bradbury JH// *Australian Natl Univ, Div Bot & Zool, Canberra, ACT 0200, Australia
J Sci Food Agr 1998 **76** (1) 39
- Simple picrate paper kit for determination of the cyanogenic potential of cassava flour
Gloria EM, Fonseca H, Calori-Domingues MA, Souza IM// Univ Sao Paulo, Escola Super Agr Luiz de Queiroz, Dept Ciencia & Tecnol Agroind, CP 09, BR-13418-900 Sao Paulo, Brazil
Food Addit Contam 1998 **15** (2) 181
- Evaluation of the black light test for screening aflatoxin-contaminated maize in the Brazilian food industry
Gonzalez JC, Vieytes MR, Vieites JM, Botana LM// *Univ Santiago de Compostela, Dept Farmacol, ES-27002 Lugo, Spain
J Chromatogr A 1998 **793** (1) 63
- Improvement on sample clean-up for high-performance liquid chromatographic-fluorimetric determination of diarrhetic shellfish toxins using 1-bromoacetylpyrene
Holzhauser T, Dehne LI, Hoffmann A, Haustein D, Vieths S// *Paul Ehrlich Inst, Dept Allergol, Paul Ehrlich Str 51-59, DE-63225 Langen, Germany
Z Lebensm Unters Forsch A-Food 1998 **206** (1) 1
- Rocket immunoelectrophoresis (RIE) for determination of potentially allergenic peanut proteins in processed foods as a simple means for quality assurance and food safety
Kiski G, Stegeman H, Farkas J// Univ Hort & Food Ind, Dept Refrigerat & Livestock Prod Technol, Menesi ut 45, HU-1118 Budapest, Hungary
Acta Aliment 1997 **26** (1) 47
- Application of the DEFT and MEM techniques as rapid methods for screening mycological quality of spices
Narinesingh D, Saroop S, Ngo TT// Univ West Indies, Dept Chem, St Augustine, Trinidad & Tobago
Anal Chim Acta 1997 **354** (1-3) 189
- A fluorescence flow injection method for the quantitation of cyanide: Its application to the quantitation of bound cyanide in cassava using an immobilized linamarase bioreactor
Schatzki TF// USDA/ARS, Western Reg Res Ctr, Albany, Ca 94710, USA
J Agr Food Chem 1998 **46** (1) 2
- Distribution of aflatoxin in pistachios. V. Sampling and testing US pistachios for aflatoxin
Schuhmacher R, Kraska R*, Grasserbauer M, Edinger W, Lew H// *IFA Tulln, Inst Agrobiotechnol, Ctr Analyt Chem, Konrad Lorenz Str 20, AU-3430 Tulln, Austria
Fresenius J Anal Chem 1998 **360** (2) 241
- Immuno-affinity columns versus conventional clean-up: A method-comparison study for the determination of zearalenone in corn
Scudamore KA, Nawaz S, Hetmanski MT// KAS Mycotoxins, 6 Fern Drive, Maidenhead SL6 0JS, England
Food Addit Contam 1998 **15** (1) 30
- Mycotoxins in ingredients of animal feeding stuffs: II. Determination of mycotoxins in maize and maize products
Scudamore KA, Nawaz S, Hetmanski MT, Rainbird SC// Address as above
Food Addit Contam 1998 **15** (2) 185
- Mycotoxins in ingredients of animal feeding stuffs: III. Determination of mycotoxins in rice bran
Shelby RA, Olsovska J, Havlicek V, Flieger M// Auburn Univ, Dept Plant Pathol, Auburn, Al 36849, USA
J Agr Food Chem 1997 **45** (12) 4674
- Analysis of ergot alkaloids in endophyte-infected tall fescue by liquid chromatography/electrospray ionization mass spectrometry
Shetty PH, Bhat RV// Indian Council Med Res, Natl Inst Nutr, Food & Drug Toxicol Res Ctr, Jamai Osmania PO, IN-500007 Hyderabad, India
J Chromatogr B 1998 **705** (1) 171
- Sensitive method for the detection of fumonisin B₁ in human urine
Sobolev VS, Horn BW, Dorner JW, Cole RJ// USDA/ARS, Natl Peanut Res Lab, 1011 Forrester Dr, Dawson, Ga 31742, USA
J AOAC Int 1998 **81** (1) 57
- Liquid chromatographic determination of major secondary metabolites produced by *Aspergillus* species from section Flavi
Ueno Y, Iijima K, Wang SD, Sugura Y, Sekijima M, Tanaka T, Chen C, Yu SZ// Sci Univ Tokyo, Dept Toxicol & Microbial Chem, 12 Ichigaya Funagawara machi, Tokyo 162, Japan
Food Chem Toxicol 1997 **35** (12) 1143
- Fumonisins as a possible contributory risk for primary liver cancer: A 3-year study of corn harvested in Haimen, China, by HPLC and ELISA
Whitaker TB, Hagler WM, Giesbrecht FG, Dorner JW, Dowell FE, Cole RJ// Nth Carolina State Univ, USDA/ARS, Box 7625, Raleigh, NC 27695, USA
J AOAC Int 1998 **81** (1) 61
- Estimating aflatoxin in farmer's stock peanut lots by measuring aflatoxin in various peanut-grade components
Yang XR, Yu BS, Nie LH, Yao SZ// *Hunan Normal Univ, Chem Res Inst, CN-410081 Changsha, Peoples Rep China
J Chromatogr Sci 1998 **36** (1) 29
- Ion chromatographic determination of histamine in fish with series bulk acoustic wave detection
- ## 10 ADDITIVES
- Aguilar-Caballos MP, Gomez-Hens A, Perez-Bendito D// *Univ Cordoba, Dept Analyt Chem, ES-14004 Cordoba, Spain
Anal Chim Acta 1997 **354** (1-3) 173
- Simultaneous kinetic determination of butylated hydroxyanisole and propyl gallate by coupling stopped-flow mixing technique and diode-array detection
Araujo AN, Couto CMCM, Lima JLFC, Montenegro MCBSM// *Univ Oporto, Fac Farm, Dept Quim Fis, CEQUP, Rua Anibal Cunha 164, PT-4050 Oporto, Portugal
J Agr Food Chem 1998 **46** (1) 168
- Determination of SO₂ in wines using a flow injection analysis system with potentiometric detection
Baner AL, Guggenberger A// Nestec Ltd, Nestle Res Ctr, Vers Chez les Blanc, POB 44, CH-1000 Lausanne 26, Switzerland
J High Res Chromatogr 1997 **20** (12) 669
- Analysis of Tinuin 1577 polymer additive in edible oils using on-line coupled HPLC-GC
Demertzis PG, Franz R// *Fraunhofer Inst Food Technol & Packaging, Gigenhäuserstr 35, DE-85354 Freising Weihenstephan, Germany
Food Addit Contam 1998 **15** (1) 93
- A systematic study on the stability of selected polymer antioxidants in EU official aqueous and alternative food stimulants using HPLC
Diepenmaat-Wolters MGE, Angelino SAGF, Verbeek C, Douma AC// TNO, Nutr & Food Res Inst, POB 360, NL-3700 AJ Zeist, Netherlands
J Amer Soc Brew Chemist 1997 **55** (4) 147
- High-performance anion-exchange chromatography method for analysis of propylene glycol alginate in beer
Lopez de Alba PL, Lopez-Martinez L*, Michelini-Rodriguez LI, Wrobel K, Wrobel K, Amador-Hernandez JA// *Univ Guanajuato, Inst Invest Cient, MX-36000 Guanajuato, GTO, Mexico
Analyst 1997 **122** (12) 1575
- Extraction of sunset yellow and tartrazine by ion-pair formation with Adogen-464 and their simultaneous determination by bivariate calibration and derivative spectrophotometry
Marijan N, Anzulovic M// Pliva DD, Qual Assurance, B Filipovica 25, Zagreb, Croatia
J Planar Chromat-Mod TLC 1997 **10** (6) 463
- Determination of butylated hydroxytoluene (BHT) in gum base by quantitative thin-layer chromatography

- Ni YN, Gong XF// Nanchang Univ, Dept Chem, Nanchang 330047, Peoples Rep China
Anal Chim Acta 1997 **354** (1-3) 163
 Simultaneous spectrophotometric determination of mixtures of food colorants
- Patz CD, Galensa R, Dietrich H// Forsch Anstalt Geisenheim, Fachgebiet Weinanalyt & Getrankeforsch, Rudesheimer Str 28, DE-65366 Geisenheim, Germany
Deut Lebensm-Rundsch 1997 **93** (11) 347
 Sulfite determination in juices using HPLC-enzyme-reactor-coupling (German, English Abstract)
- Stenroos L, Clark T, Garcia C, Laycock G, Munar M, Sobczak J, Gatward N, Casey G// Address not available.
J Amer Soc Brew Chemist 1997 **55** (4) 184
 Sulfur dioxide in beer by headspace gas chromatography
- Su XL, Wei WZ, Nie LH, Yao SZ// *Hunan Normal Univ, Inst Chem Res, CN-410081 Changsha, Peoples Rep China
Analyst 1998 **123** (2) 221
 Flow injection determination of sulfite in wines and fruit juices by using a bulk acoustic wave impedance sensor coupled to a membrane separation technique
- 11 FLAVOURS & AROMAS**
- Bartnett C, Attard P, Benard M, Bresler S, Garcia MC, Haag R, Laycock G, Lorenzana R, Oxford E, Penarski J *et alii* Address not available.
J Amer Soc Brew Chemist 1997 **55** (4) 205
 Dimethyl sulfide precursor in malt by headspace gas chromatography
- Bicchi CP, Panero OM, Pellegrino GM, Vanni AC// Univ Turin, Dipt Sci & Tecnol Farmaco, via P Giuria 9, IT-10125 Turin, Italy
J Agr Food Chem 1997 **45** (12) 4680
 Characterization of roasted coffee and coffee beverages by solid phase micro-extraction/gas chromatography and principal component analysis
- Blanch GP, Nicholson GJ// CSIC, Inst Fermentac Ind, Juan Cierva 3, ES-28006 Madrid, Spain
J Chromatogr Sci 1998 **36** (1) 37
 Determination of the enantiomeric composition of limonene and limonene-1,2-epoxide in lemon peel by multidimensional gas chromatography with flame-ionization detection and selected ion monitoring mass spectrometry
- Brennan RM, Hunter EA, Muir DD// Scottish Crop Res Inst, Dundee DD2 5DA, Scotland
Food Res Int 1997 **30** (5) 381
 Genotypic effects on sensory quality of blackcurrant juice using descriptive sensory profiling
- Broda S, Schnitzler WH// Tum Weihenstephan, Lehrstuhl Gemusebau, Alte Akad 10, DE-85350 Freising Weihenstephan, Germany
Deut Lebensm-Rundsch 1998 **94** (1) 13
 Chemosensory systems for analysis of volatile aroma compounds in food (German, English Abstract)
- Cobo M, Silva M, Perez-Bendito D*// *Univ Cordoba, Dept Analyt Chem, ES-14004 Cordoba, Spain
Anal Chim Acta 1997 **356** (1) 51
 Chemiluminescence measurement of tertiary amines using the continuous-addition-of-reagent technique. Determination of trimethylamine in fish samples
- Di Natale C, Macagnano A, Davide F, D'Amico A, Paolesse R, Boschi T, Faccio M, Ferri G// Univ Roma tor Vergata, Dept Elect Engn, via Ric Scientific, IT-00133 Rome, Italy
Sensor Actuator B-Chem 1997 **44** (1-3) 521
 An electronic nose for food analysis
- Faulhaber S, Hener U, Mosandl A*// *Univ Frankfurt, Inst Lebensmittelchem, Marie Curie Str 9, DE-60439 Frankfurt, Germany
J Agr Food Chem 1997 **45** (12) 4719
 GC/IRMS analysis of mandarin essential oils. II. $\delta^{13}\text{C}$ (PDB) values of characteristic flavor components
- Fronza G, Fuganti C*, Guillou C, Reniero F, Joulain D// *Politecn Milan, Dipt Chim, CNR, Ctr Chim Sostanze Organ Nat, via Mancinelli 7, IT-20133 Milan, Italy
J Agr Food Chem 1998 **46** (1) 248
 Natural abundance ^2H nuclear magnetic resonance study of the origin of raspberry ketone
- Garcia DDC, Reichenbacher M*, Danzer K, Hurlbeck C, Bartzsch C, Feller KH// *Univ Jena, Inst Anorgan & Analys Chem, DE-6900 Jena, Germany
J High Res Chromatogr 1997 **20** (12) 665
 Investigations on wine bouquet components by solid-phase microextraction-capillary gas chromatography (SPME-CGC) using different fibers
- Hida Y, Matsumoto M, Kudo K, Imamura T, Ikeda N*// *Kyushu Univ 60, Dept Forens Med, Fukuoka 81282, Japan
Int J Legal Med 1998 **111** (1) 13
 Identification of beverages and beverage stains by GC/MS using aroma components as indicators
- Hofmann T, Schieberle P*// Deutsch Forsch Anstalt Lebensmittelchem, Lichtenbergstr 4, DE-85748 Garching, Germany
J Agr Food Chem 1998 **46** (1) 235
 Quantitative model studies on the effectiveness of different precursor systems in the formation of the intense food odorants 2-furfurylthiol and 2-methyl-3-furanthiol
- Ishii K, Furuta T, Kasuya Y// Kyorin Univ, Sch Hlth Sci, 476 Miyashita, Tokyo 192, Japan
J Chromatogr B 1997 **704** (1-2) 299
 Determination of naringin and naringenin in human urine by high-performance liquid chromatography utilizing solid-phase extraction
- Jella P, Rouseff R*, Goodner K, Widmer W// *Univ Florida, Ctr Citrus Res & Educ, 70 Expt Stn Rd, Lake Alfred, FL 33850, USA
J Agr Food Chem 1998 **46** (1) 242
 Determination of key flavor components in methylene chloride extracts from processed grapefruit juice
- Kawamura S, Natsuga M, Itoh K// Hokkaido Univ, Dept Agr Engn, Agr Proc Engn Div, Sapporo, Hokkaido 060, Japan
Trans ASAE 1997 **40** (6) 1755
 Visual and near-infrared reflectance spectroscopy for rice taste evaluation
- Kreyenmeier F, Schulte E*, Thier HP// *Univ Munster, Inst Food Chem, Corrensstr 45, DE-48149 Munster, Germany
Z Lebensm Unters Forsch A-Food 1997 **205** (6) 411
 Sensitive determination of volatile aliphatic aldehydes in autoxidized fats and oils by gas chromatographic electron-capture detection of their *O*-pentafluorobenzylloxime derivatives
- Legin A, Rudnitskaya A, Vlasov Y, Di Natale C, Davide F, D'Amico A// State Univ, Dept Chem, RU-199034 St Petersburg, Russia
Sensor Actuator B-Chem 1997 **44** (1-3) 291
 Tasting of beverages using an electronic tongue
- Mau JL, Chyau CC, Li JY, Tseng YH// 250 Kuokuang Rd, Taichung 40227, Taiwan
J Agr Food Chem 1997 **45** (12) 4726
 Flavor compounds in straw mushrooms *Volvariella volvacea* harvested at different stages of maturity
- McGarry M, Garcia C, Hurst L, Lee J, Lyness A, Munar M, Penarski J, Sakuma S, Shamaila M, Murphey J// Address not available.
J Amer Soc Brew Chemist 1997 **55** (4) 193
 Beer volatiles by headspace gas chromatography
- Mondello L, Catalfamo M, Proteggente AR, Bonaccorsi I, Dugo G// Univ Messina, Dipt Farmacochim, Viale Annunziata, IT-98168 Messina, Italy
J Agr Food Chem 1998 **46** (1) 54
 Multidimensional capillary GC-GC for the analysis of real complex samples. III. Enantiomeric distribution of monoterpene hydrocarbons and monoterpene alcohols of Mandarin oils
- Raoul S, Gremaud E, Biaudet H, Turesky RJ// *Nestec Ltd, Vers Chez les Blanc, CH-1000 Lausanne 26, Switzerland
J Agr Food Chem 1997 **45** (12) 4706
 Rapid solid-phase extraction method for the detection of volatile nitrosamines in food
- Rocha S, Delgadillo I*, Correia AJF, Barros A, Wells P// *Univ Aveiro, Dept Chem, PT-3810 Aveiro, Portugal
J Agr Food Chem 1998 **46** (1) 145
 Application of an electronic aroma sensing system to cork stopper quality control
- Roling I, Schmarr HG, Eisenreich W, Engel KH*// *Tech Univ Munich, Lehrstuhl Allgemeine Lebensmitteltechnol, Am Forum 2, DE-85350 Freising Weihenstephan, Germany
J Agr Food Chem 1998 **46** (2) 668
 Analytical and sensory characterization of γ - and δ -thiolactones
- Sami M, Yamashita H, Kadokura H, Kitamoto K, Yoda K, Yamasaki M// Asahi Breweries Ltd, Brewing Res & Dev Lab, Ohta Ku, 2-13-1 Ohmori Kita, Tokyo 143, Japan
J Amer Soc Brew Chemist 1997 **55** (4) 137
 A new and rapid method for determination of beer-spoilage ability of lactobacilli
- Stapelfeldt H, Nielsen BR, Skibsted LH// Royal Vet & Agr Univ, Dept Dairy & Food Sci, Rolighedsvej 30, DK-1958 Frederiksberg C, Denmark
Milchwissenschaft 1997 **52** (12) 682
 Towards use of electron spin resonance spectrometry in quality control of milk powder. Correlation between sensory score of instant whole milk powders and concentration of free radicals and 2-thiobarbituric acid reactive substances
- Ulmer H, Mitrovics J, Noetzel G, Weimar U, Gopel W// Univ Tubingen, Inst Phys & Theoret Chem, Morgenstelle 8, DE-72076 Tubingen, Germany
Sensor Actuator B-Chem 1997 **43** (1-3) 24
 Odours and flavours identified with hybrid modular sensor systems
- Van Doorn HE, Van Holst GJ, Van der Kruk GC, Raaijmakers-Ruijs NCME, Postma E// Novartis Seeds BV, Dept Biotechnol, NL-1600 AA Enkhuizen, The Netherlands
J Agr Food Chem 1998 **46** (2) 793
 Quantitative determination of the glucosinolates sinigrin and progoitrin by specific antibody ELISA assays in Brussels sprouts

Weinert B, Wust M, Mosandl A*^{*}, Hanssum H// *Johann Wolfgang Goethe-Univ, Biozentrum, Inst Lebensmittelchem, Marie-Curie-Str 9, FR-60439 Frankfurt/Main, Germany

Phytochem Analysis 1998 **9** (1) 10

Stereoisomeric flavour compounds. LXXVIII. Separation and structure elucidation of the pyranoid linalool oxide stereoisomers using common gas chromatographic phases, modified cyclodextrin phases and nuclear magnetic resonance spectroscopy

Williams KR, Pierce RE// Univ Florida, Dept Chem, POB 117200, Gainesville, FL 32611, USA

J Chem Educ 1998 **75** (2) 223

The analysis of orange oil and the aqueous solubility of *d*-limonene: Two complementary gas chromatography experiments

12 ORGANIC ACIDS

Araujo AN, Lima JLFC, Saraiva MLMFS, Zagatto EAG// Univ Oporto, Dept Phys Chem, CEQUUP, PT-4050 Oporto, Portugal

Amer J Enol Viticult 1997 **48** (4) 428

A new approach to dialysis in sequential injection systems: Spectrophotometric determination of L(+)-lactate in wines

Arellano M, Couderc F*, Puig P// *CNRS, Lab Biol Mol Eucaryote, 118 Rte Narbonne, FR-31062 Toulouse, France

Amer J Enol Viticult 1997 **48** (4) 408

Simultaneous separation of organic and inorganic acids by capillary zone electrophoresis. Applications to wines and fruit juices

Mato I, Huidobro JF*, Cendón V, Muniategui S, Fernandez-Muino MA, Sancho MT// *Univ Santiago, Area Nutr & Bromatol, Campus Univ Sur, ES-15706 Santiago de Compostela, Spain

J Agr Food Chem 1998 **46** (1) 141

Enzymatic determination of citric acid in honey by using polyvinylpolypyrrolidone clarification

13 ANIMAL PRODUCTS

Bellagamba F, Moretti VM*, Mentasti T, Albertini A, Luzzana U, Valfre F// *Ist Zootecn Vet, via Trentacoste 2, IT-20134 Milan, Italy

J Chromatogr A 1997 **791** (1-2) 79

High-performance liquid chromatographic determination of polyamines in milk as their 9-fluorenylmethoxycarbonyl derivatives using a column-switching technique

De Pena MP, Cid MC*, Bello JJ// Univ Navarra, Dept Bromatol Tecnol Alimentos & Toxicol, ES-31080 Pamplona, Spain

Meat Sci 1998 **48** (3-4) 257

A method for identification of frozen meat used for production of cooked ham

Dobson JEF, McClure FD, Rainosek AP// Natl Marine Fisheries Serv, US Dept Commerce, NOAA, Tech Serv Branch, Natl Stand & Specificat Sect, Gloucester, Ma 01930, USA

J AOAC Int 1998 **81** (1) 69

A precollaborative study of weight determination methods for quick frozen shrimp

Dufour E, Riaublanc A// INRA, Etud Interact Mol Alimentaires Lab, BP 71627, FR-44316 Nantes 03, France

Lait 1997 **77** (6) 657

Potentiality of spectroscopic methods for the characterisation of dairy products. I. Front-face fluorescence study of raw, heated and homogenised milks

Heindel U, Scheider M*, Rubach K// *Tech Univ Berlin, Inst Lebensmittelchem, Gustav Meyer Allee 25, DE-13355 Berlin, Germany

Deut Lebensm-Rundsch 1998 **94** (1) 20

Fish species identification by DNA fingerprinting: PCR-RFLP analysis (German, English Abstract)

Herring WO, Kriese LA, Bertrand JK, Crouch JJ// Univ Missouri, Columbia, Mo 65211, USA

J Anim Sci 1998 **76** (2) 364

Comparison of four real-time ultrasound systems that predict intramuscular fat in beef cattle

Kemmer H, Dehnhard M, Claus R// *Univ Hohenheim, Inst Tierhaltung & Tierzuchtung 470, Fachgebiet Tierhaltung & Leistungsphysiol, DE-70599 Stuttgart, Germany

Z Lebensm Unters Forsch A-Food 1997 **205** (6) 433

Screening of indoles in cheese

Knuutilinen J, Harjula PI// Univ Jyväskylä, Dept Chem, POB 35, FI-40351 Jyväskylä, Finland

J Chromatogr B 1998 **705** (1) 11

Identification of fish species by reversed-phase high-performance liquid chromatography with photodiode-array detection

Koh MC, Lim CH, Chua SB, Chew ST, Phang STW// *Primary Prod Dept, Vet Publ Hlth Lab, 51 Jalan Buroh, SG-619495 Singapore, Rep Singapore

Meat Sci 1998 **48** (3-4) 275

Random amplified polymorphic DNA (RAPD) fingerprints for identification of red meat animal species

Lee N, Kato N, Yasunaga K, Nakagawa N, Arai K// Kibun Foods Inc, Chuo ku, Tokyo 104, Japan

Nippon Suisan Gakkaishi 1997 **63** (6) 977

A new simple method for evaluation of characteristic gel forming ability of walleye pollack frozen surimi in a factory (Japanese, English Abstract)

Lepri L, Del Bubba M, Maggini R, Donzelli GP, Galvan P// Univ Florence, Dept Publ Hlth Epidemiol & Environm Analyt Chem, via G Capponi 9, Florence, Italy

J Chromatogr B 1997 **704** (1-2) 1

Effect of pasteurization and storage on some components of pooled human milk

Mitchell AD, Rosebrough RW, Conway JM// USDA/ARS, Growth Biol Lab, Beltsville, Md 20705, USA

Poultry Sci 1997 **76** (12) 1746

Body composition analysis of chickens by dual energy X-ray absorptiometry

Nielsen BR, Stapefeldt H, Skibsted LH// *Royal Vet & Agr Univ, Dept Dairy & Food Sci, Rolighedsvej 30, DK-1958 Frederiksberg C, Denmark

Int Dairy J 1997 **7** (5) 341

Early prediction of the shelf-life of medium-heat whole milk powders using stepwise multiple regression and principal component analysis

Pabst K// Bundesanstalt Milchforsch, Inst Chem & Phys, Postfach 60 69, DE-24121 Kiel, Germany

Kiel Milchwirt Forschungsber 1997 **49** (4) 337

"North German control milk samples": A possibility of using control milk samples for the calibration of infra-red instruments for determining fat, protein and lactose contents (German, English Abstract)

Plath A, Krause I, Einspanier R// *Tech Univ Munich, Forschungszentrum Milch & Lebensmittel, Vöttingerstr 45, DE-85350 Freising Weihenstephan, Germany

Z Lebensm Unters Forsch A-Food 1997 **205** (6) 437

Species identification in dairy products by three different DNA-based techniques

Rannou H, Downey G// *Teagasc, Natl Food Ctr, Dublin 15, Rep Ireland

Anal Commun 1997 **34** (12) 401

Discrimination of raw pork, chicken and turkey meat by spectroscopy in the visible, near-and mid-infrared ranges

Thyholz K, Enersen G, Isaksson T// *Norwegian Food Res Inst, Matforsk, Osloveien 1, NO-1430 AS, Norway

Meat Sci 1998 **48** (1-2) 49

Determination of endpoint temperatures in previously head treated beef using reflectance spectroscopy

Tunick MH, Malin EL// USDA/ARS, ERRC, Wyndmoor, Pa 19038, USA

J Amer Oil Chem Soc 1997 **74** (12) 1565

Differential scanning calorimetry of water buffalo and cow milk fat in mozzarella cheese

14 PLANT & MICROBIAL PRODUCTS

Barnes S, Coward L, Kirk M, Sfakianos J// Univ Alabama, Dept Pharmacol & Toxicol, Birmingham, Al 35294, USA

Proc Soc Exp Biol Med 1998 **217** (3) 254

HPLC/mass spectrometry analysis of isoflavones

Blache D, Rustan I, Durand P, Lesgards G, Lureau N// Univ Bourgogne, Lab Biochim Lipoprot, INSERM, CIF 93 10, 7 Blvd Jeanne d'Arc, Dijon, France

J Chromatogr B 1997 **702** (1-2) 103

Gas chromatographic analysis of resveratrol in plasma, lipoproteins and cells after *in vitro* incubations

Blanco-Gornis D, Fernandez-Rubio P, Gutierrez-Alvarez MD, Mangas-Alonso JJ// Univ Oviedo, Dept Quim Fis & Analit, ES-33006 Oviedo, Spain

Analyst 1998 **123** (1) 125

Use of high-performance liquid chromatographic chemometric techniques to differentiate apple juices clarified by microfiltration and ultrafiltration

Chu QY, O'Dwyer M, Zeece MG// *Univ Nebraska, Dept Food Sci, Lincoln, Ne 68583, USA

J Agr Food Chem 1998 **46** (2) 509

Direct analysis of resveratrol in wine by micellar electrokinetic capillary electrophoresis

Dalluge JJ, Nelson BC, Thomas JB, Sander LC// Natl Inst Stand & Technol, Chem Sci & Technol Lab, Div Analyt Chem, Gaithersburg, Md 20899, USA

J Chromatogr A 1998 **793** (2) 265

Selection of column and gradient elution system for the separation of catechins in green tea using high-performance liquid chromatography

Dobozi-King M, Halasz A, Szabo Z// Seminis Co, Wooland, Ca, USA

Acta Aliment 1997 **26** (4) 383

Comparison of analytical methods for determining the orange content of processed juices

Dowell FE// USDA/ARS, Grain Mkt & Prod Res Ctr, 1515 Coll Ave, Manhattan, Ks 66502, USA

Cereal Chem 1998 **75** (1) 142

Automated color classification of single wheat kernels using visible and near-infrared reflectance

- Franke AA, Custer LJ, Wang W, Shi CY// Canc Res Ctr Hawaii, 1236 Lau-hala St, Honolulu, HI 96813, USA
Proc Soc Exp Biol Med 1998 **217** (3) 263
 HPLC analysis of isoflavonoids and other phenolic agents from foods and from human fluids
- Gakh EG, Dougall DK, Baker DC// Univ Tennessee, Dept Chem, Knoxville, TN 37996, USA
Phytochem Analysis 1998 **9** (1) 28
 Proton nuclear magnetic resonance studies of monoacylated anthocyanins from the wild carrot: Part I. Inter- and intra-molecular interactions in solution
- Garnache PH, Acworth IN// Esa Inc, 22 Alpha Rd, Chelmsford, MA 01824, USA
Proc Soc Exp Biol Med 1998 **217** (3) 274
 Analysis of phytoestrogens and polyphenols in plasma, tissue, and urine using HPLC with coulometric array detection
- Giese J// Address not available.
Food Technol 1998 **52** (2) 75
 Characterizing coffee beans with chromatography
- Hattori T, Kato M// Toyohashi Univ Technol, Res Ctr Chemometr, Tempaku, Toyohashi, Aichi 441, Japan
Anal Sci 1997 **13** (6) 975
 Characteristics of the potential response to ethanol by flow-through amphiphilic ion sensor and determination of ethanol in liquors
- He XG, Lian LZ, Lin LZ, Bernart MW// E Earth Herb Inc, Res Lab Nat Prod Chem, 4091 West 11th Ave, Eugene, OR 97402, USA
J Chromatogr A 1997 **791** (1-2) 127
 High-performance liquid chromatography/electrospray mass spectrometry in phytochemical analysis of sour orange (*Citrus aurantium* L.)
- Hills BP, Godward J, Wright KM// AFRC Inst Food Res, Norwich Res Pk, Colney Lane, Norwich NR4 7UA, England
J Food Eng 1997 **33** (3-4) 321
 Fast radial NMR microimaging studies of pasta drying
- Hupfer C, Hotzel H, Sachse K, Engel KH// *Tech Univ Munich, Lehrstuhl Allgemeine Lebensmitteltechnol, Forum 2, DE-85350 Freising Weihenstephan, Germany
Z Lebensm Unters Forsch A-Food 1997 **205** (6) 422
 Detection of genetically modified insect-resistant Bt maize by means of polymerase chain reaction
- Keener KM, Stroshine RL, Nyenhuis JA// Nth Carolina State Univ, Dept Food Sci, Box 7624, 129 Schaub Hall, Raleigh, NC 27695, USA
Trans ASAE 1997 **40** (6) 1633
 Proton magnetic resonance measurement of self-diffusion coefficient of water in sucrose solutions, citric acid solutions, fruit juices, and apple tissue
- Kivits GAA, Van der Sman FJP, Tijburg LBM// Unilever Res Labs, POB 114, NL-3130 AC Vlaardingen, The Netherlands
Int J Food Sci Nutr 1997 **48** (6) 387
 Analysis of catechins from green and black tea in humans: A specific and sensitive colorimetric assay of total catechins in biological fluids
- Koh TH, Melton LD, Newman RH// Univ Otago, POB 56, Dunedin, New Zealand
Can J Bot 1997 **75** (11) 1957
 Solid-state ¹³C NMR characterization of cell walls of ripening strawberries
- Lapcik O, Hill M, Hampl R, Wahala K, Adlercreutz H// *Univ Helsinki, Dept Clin Chem, Haartmaninkatu 4, FI-00290 Helsinki, Finland
Steroids 1998 **63** (1) 14
 Identification of isoflavonoids in beer
- Leuzzi U, Licandro G// Univ Messina, Dipt Chim Organ & Biol, Salita Sperone 31, IT-98166 Sant'Agata di Messina, ME, Italy
Ital J Food Sci 1997 **9** (4) 313
 Ion chromatography as a rapid method to distinguish orange juices from second pressure concentrates
- Luhhaloo M, Martensson AC*, Andersson R, Aman P// *Swedish Univ Agr Sci, Dept Food Sci, POB 7051, SE-75007 Uppsala, Sweden
J Sci Food Agr 1998 **76** (1) 142
 Compositional analysis and viscosity measurements of commercial oat brans
- Mangas JJ, Suarez B, Picinelli A, Moreno J, Blanco D// Ctr Invest Aplicada & Tecnol Agroalimentaria, Apdo 13, ES-33300 Villaviciosa, Spain
J Agr Food Chem 1997 **45** (12) 4777
 Differentiation by phenolic profile of apple juices prepared according to two membrane techniques
- Mateo R, Bosch-Reig F// Univ Valencia, Dept Analyt Chem, Dr Moliner 50, ES-46100 Valencia, Spain
J Agr Food Chem 1998 **46** (2) 393
 Classification of Spanish unifloral honeys by discriminant analysis of electrical conductivity, color, water content, sugars, and pH
- McLinn C, Dupire S, Eckermann C, Fukuoka Y, Hurst L, Lawson S, Wilson R, Murphy J// Address not available.
J Amer Soc Brew Chemist 1997 **55** (4) 190
 Selective measurement of acetohydroxy acid precursors of vicinal diketones
- Miller J, Bendiak D, McLinn C, Smith R, Wheeler J, Crumplen R, Buscemi P, Horne S, Buckee G, Ono M// Address not available.
- J Amer Soc Brew Chemist* 1997 **55** (4) 168
 Coordination of new and alternate methods of analysis
- Paulus I, De Busscher R, Schrevens E// Katholieke Univ Leuven, Dept Appl Plant Sci, W de Crooylaan 42, BE-3001 Heverlee, Belgium
J Agr Engr Res 1997 **68** (4) 341
 Use of image analysis to investigate human quality classification of apples
- Poon GK// Adv Bioanalyt Serv Inc, 15 Catherwood Rd, Ithaca, NY 14850, USA
J Chromatogr A 1998 **794** (1-2) 63
 Analysis of catchins in tea extracts by liquid chromatography/electrospray ionization mass spectrometry
- Puigdomenech A, Tauler R, Casassas E, Aragay M// DARP Generalitat Catalunya, Agroalimentari Cabrils Lab, Zip 12, ES-08340 Vilassar de Mar, Barcelona, Spain
Anal Chim Acta 1997 **355** (2-3) 181
 Modelling near infrared instrument differences by chemometric methods: Testing for near infrared forage analysis
- Richling E, Decker C, Haring D, Herderich M, Schreier P// *Univ Wurzburg, Lehrstuhl Lebensmittelchem, DE-97074 Wurzburg, Germany
J Chromatogr A 1997 **791** (1-2) 71
 Analysis of heterocyclic aromatic amines in wine by high-performance liquid chromatography electrospray tandem mass spectrometry
- Sawai Y, Sakata K// Natl Res Inst Vegetables Ornamental Plants & Tea, Shizuoka 428, Japan
J Agr Food Chem 1998 **46** (1) 111
 NMR analytical approach to clarify the antioxidative molecular mechanism of catechins using 1,1-diphenyl-2-picrylhydrazyl
- Sgrulletta D, De Stefanis E// Ist Sperimentale Cerealicoltura, via Cassia 176, IT-00191 Rome, Italy
Ital J Food Sci 1997 **9** (4) 295
 Simultaneous evaluation of quality parameters of durum wheat (*Triticum durum*) by near infrared reflectance spectroscopy
- Takeuchi S, Fukuoka M, Gomi Y, Maeda M, Watanabe H// *Tokyo Univ Fisheries, Dept Food Sci & Technol, Konan 4, Tokyo 108, Japan
J Food Eng 1997 **33** (1-2) 181
 An application of magnetic resonance imaging to the real time measurement of the change of moisture profile in a rice grain during boiling
- Takeuchi S, Maeda M, Gomi Y, Fukuoka M, Watanabe H// *Address as above.
J Food Eng 1997 **33** (3-4) 281
 The change of moisture distribution in a rice grain during boiling as observed by NMR imaging
- Tawali AB, Hain JU, Schwedt G// Hasanuddi Univ, Fac Agr, Dept Agr Technol, ID-90245 Ujung Pandang, Indonesia
Deut Lebensm-Rundsch 1998 **94** (1) 28
 Determination of phytic acid content of soybeans during tempeh production using capillary electrophoresis (German, English Abstract)
- Tsuchiya H, Sato M, Kato H, Okubo T, Juneja LR, Kim M// Asahi Univ, Dept Dent Pharmacol, 1851 Hozumi, Gifu 50102, Japan
J Chromatogr B 1997 **703** (1-2) 253
 Simultaneous determination of catechins in human saliva by high-performance liquid chromatography
- Van Erem T, Thiex N*, Pohmer J, Poffenbarger WM, Smith V, Patel E// *Sth Dakota State Univ, Dept Chem & Biochem, Box 2170, Brookings, SD 57007, USA
J AOAC Int 1998 **81** (1) 25
 Determination of water in forages and animal feeds by Karl Fischer titration
- Vovk I, Golc-Wondra A, Prosek M// Natl Inst Chem, Food Chem Lab, Hajdrihova 19, SK-1000 Ljubljana, Slovenia
J Planar Chromat-Mod TLC 1997 **10** (6) 416
 Validation of an HPTLC method for determination of caffeine
- Wang SX, Oomah BD*, McGregor DL// *Agr & Agri-Food Canada, Pacific Agri-Food Res Ctr, Summerland, Brit Columbia, Canada V0H 1Z0
J Agr Food Chem 1998 **46** (2) 575
 Application and evaluation of ion-exchange UV spectrophotometric method for determination of sinapine in brassica seeds and meals
- Wang WQ// Iowa State Univ, Dept Food Sci & Human Nutr, Ames, IA 50011, USA
Proc Soc Exp Biol Med 1998 **217** (3) 281
 Radioimmunoassay determination of formononetin in murine plasma and mammary glandular tissue
- Watanabe T, Yamamoto A, Nagai S, Terabe S// Yaegaki Sake & Spirits Inc, Yaegaki Technol Dev Labs, 681 Hayashida, Himeji, Hyogo 67942, Japan
J Chromatogr A 1998 **793** (2) 409
 Micellar electrokinetic chromatography as an alternative to high-performance liquid chromatography for separation and determination of phenolic compounds in Japanese spirituous liquor
- Wesley JJ, Larsen N, Osborne BG, Skerritt JH// CSIRO Plant Ind, Grain Qual Res Lab, Nth Ryde, NSW 2113, Australia
J Cereal Sci 1998 **27** (1) 61
 Non-invasive monitoring of dough mixing by near infrared spectroscopy