

Bibliography of analytical, nutritional and clinical methods

(8 weeks journals - Search completed at 5th Nov 1997)

1 BOOKS, REVIEWS & SYMPOSIA

- Guillen MD, Cabo N// Univ Pais Vasco, CSIC, Fac Farm, Paseo Univ 7, E-01006 Vitoria, Spain
J Sci Food Agr 1997 **75** (1) 1
 Infrared spectroscopy in the study of edible oils and fats (Review)
 Luong JHT, Bouvrette P, Male KB// Natl Res Council Canada, Biotechnol Res Inst, Montreal, Quebec, Canada H4P 2R2
Trends Biotech 1997 **15** (9) 369
 Developments and applications of biosensors in food analysis (Review)
 Mandokhot UV, Kotwal SK// Haryana Agr Univ, Dept Vet Publ Hlth & Epidemiol, Hisar 125004, Haryana, India
J Food Sci Technol-Mysore 1997 **34** (5) 369
 Enzyme-linked immunosorbent assays in detection of species origin of meats: A critical appraisal (Review)
 Olafsdottir G, Martinsdottir E, Oehlenschlager J, Dalgaard P, Jensen B, Undeland I, Mackie IM, Henchey G, Nielsen J, Nilsen H// Iceland Fisheries Labs, Skulagata 4, IS-101 Reykjavik, Iceland
Trends Food Sci Technol 1997 **8** (8) 258
 Methods to evaluate fish freshness in research and industry (Review)
 Rodriguez-Otero JL, Hermida M, Centeno J// Univ Santiago de Compostela, Inst Invest & Anal Alimentos, E-27002 Lugo, Spain
J Agr Food Chem 1997 **45** (8) 2815
 Analysis of dairy products by near-infrared spectroscopy: A review
 Zabetakis I, Holden MA// Univ Leeds, Procter Dept Food Sci, Leeds LS2 9JT, England
J Sci Food Agr 1997 **74** (4) 421
 Strawberry flavour: Analysis and biosynthesis (Review)

2 GENERAL

- J AOAC Int* 1997 **80** (5) A100
 Development of methods to test all food matrixes unrealistic, says OMB (Editorial)
 Araki E// Japan Food Res Labs, Shibuya ku, 52-1 Motoyoyogi cho, Tokyo 151, Japan
J Food Hyg Soc Jpn 1997 **38** (4) J256
 Good laboratory practice for regulatory analyses (Japanese)
 Aurela B, Tapanila T, Osmonen RM, Soderhjelm L// Finnish Pulp & Paper Res Inst, Box 70, FIN-02151 Espoo, Finland
J High Res Chromatogr 1997 **20** (9) 499
 Development of methods for testing barriers in food packaging materials
 Bratteby LE, Sandhagen B, Fan H, Samuelson G// Univ Uppsala Hosp, Dept Clin Physiol, S-75185 Uppsala, Sweden
Eur J Clin Nutr 1997 **51** (9) 585
 A 7-day activity diary for assessment of daily energy expenditure validated by the doubly labelled water method in adolescents
 Hadrich J// Chem Landesuntersuchungs Anstalt, Bissierstr 5, D-79114 Freiburg, Germany
Deut Lebensm-Rundsch 1997 **93** (9) 282
 Quality assurance guideline: Validation of analytical methods. II. Practical example (German, English Abstract)
 Michino H// Minist Hlth & Welf Japan, Food Sanitat Div, Chiyoda ku, 1-2-2 Kasumigaseki, Tokyo 10045, Japan
J Food Hyg Soc Jpn 1997 **38** (4) J264
 GLP regulations in the food analytical laboratory (Japanese)
 Mudambo KSMT, McSkrimeour C, Rennie MJ// Med Directorate, Army HQ, P Bag 7720, Causeway Harare, Zimbabwe
Eur J Appl Physiol Occupat Phys 1997 **76** (4) 346
 Adequacy of food rations in soldiers during exercise in hot, day-time conditions assessed by doubly labelled water and energy balance methods

3 AMINO ACIDS, PROTEINS & ENZYMES

- Albalá-Hurtado S, Bover-Cid S, Izquierdo-Pulido M, Veciana-Nogues MT, Vilal-Carou MC*// *Univ Barcelona, Unitat Nutr & Bromatol, Avda Joan XXII s/n, E-08028 Barcelona, Spain
J Chromatogr A 1997 **778** (1-2) 235
 Determination of available lysine in infant milk formulae by high-performance liquid chromatography
 Bartolome B, Moreno-Arribas V, Pueyo E, Polo MC*// *CSIC, Inst Fermentac Ind, Juan Cierva 3, E-28006 Madrid, Spain
J Agr Food Chem 1997 **45** (9) 3374
 On-line HPLC photodiode array detection and OPA derivatization for partial identification of small peptides from white wine
 Bouraoui M, Nakai S, Li-Chan E// *Univ British Columbia, Dept Food Sci, Vancouver, Brit Columbia, Canada V6T 1Z4
Food Res Int 1997 **30** (1) 65
In situ investigation of protein structure in Pacific whiting surimi and gels using Raman spectroscopy
 Castillo G, Sanz MA, Serrano MA, Hernandez T, Hernandez A*// *Univ Alcala de Henares, Dept Nutr & Bromatol, Alcala de Henares, E-28871 Madrid, Spain
J Chromatogr Sci 1997 **35** (9) 423
 An isocratic high-performance liquid chromatographic method for determining the available lysine in foods
 Felipe X, Law AJR// Univ Autonoma Barcelona, Fac Vet Unitat Tecnol Alimentos, E-08193 Bellaterra, Spain
J Dairy Res 1997 **64** (3) 459
 Preparative-scale fractionation of bovine, caprine and ovine whey proteins by gel permeation chromatography
 Haque ZU, Sharma M// Mississippi State Univ, Agr & Forestry Expt Stn, SE Dairy Food Res Ctr, Mississippi State, MS 39762, USA
J Agr Food Chem 1997 **45** (8) 2958
 Thermal gelation of β -lactoglobulin AB purified from cheddar whey. I. Effect of pH on association as observed by dynamic light scattering
 Kors M, Steinhart H*// *Univ Hamburg, Inst Lebensmittelchem & Biochem, Grindelallee 117, D-20146 Hamburg, Germany
Z Lebensm Unters Forsch A-Food 1997 **205** (3) 224
 CTAB electrophoresis and immunoblotting: A new method for the determination of soy protein in meat products
 Lynch JM, Barbano DM, Healy PA, Fleming JR// Cornell Univ, NE Dairy Res Ctr, Dept Food Sci, Ithaca, NY 14853, USA
J AOAC Int 1997 **80** (5) 1038
 Performance evaluation of direct forced-air total solids and Kjeldahl total nitrogen methods: 1990 through 1995
 Philpott J, Taylor DM, Williams DR*// *Univ Wales Coll Cardiff, Dept Chem, POB 912, Pk Pl, Cardiff CF1 3TB, Wales
J Amer Soc Brew Chemist 1997 **55** (3) 99
 Use of microcalorimetry for assay of beer protease activity
 O'Connor PM, Naya-Vigne JM, Duchateau PN, Ishida BY, Mazur M, Schoenhaus SA, Zysow BR, Malloy MJ, Kunitake ST, Kane JP// Univ Calif, Cardiovasc Res Inst, San Francisco, Ca 94143, USA
Anal Biochem 1997 **251** (2) 234
 Measurement of prebeta-1 HDL in human plasma by an ultrafiltration-isotope dilution technique
 Plowman JE, Creamer LK, Liddell MJ, Cross JJ// Wool Res Org New Zealand, Private Bag 4749, Christchurch, New Zealand
J Dairy Res 1997 **64** (3) 377
 Solution conformation of a peptide corresponding to bovine κ -casein B residues 130-153 by circular dichroism spectroscopy and ^1H -nuclear magnetic resonance spectroscopy
 Recio I, Amigo L, Lopez-Fandino R*// *CSIC, Inst Fermentac Ind, Juan Cierva 3, E-28006 Madrid, Spain
J Chromatogr B 1997 **697** (1-2) 231

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.

- Assessment of the quality of dairy products by capillary electrophoresis of milk proteins**
- Romero MV, Barrett DM*// *Univ Calif, Dept Food Sci & Technol, Davis, Ca 95616, USA
J Food Sci 1997 62 (4) 696
- Rapid methods for lipoxygenase assay in sweet corn**
- Saunderson CL, Waibel PE, McCorquodale CC// SOAFD, Sci Advisers Unit, 47 Robbs Loan Pentland House, Edinburgh EH14 1TY, Scotland
Brit Poultry Sci 1997 38 (3) 277
- Utilisation of U-¹⁴C-lysine by young turkeys**
- Sillero JC, Alvarez JB, Martin LM// Ctr Invest & Formac Agr, Dept Mejora & Agron, E-14080 Cordoba, Spain
Cereal Res Commun 1997 25 (2) 141
- Differential effects of the endosperm protein fractions from *Triticum* on the SDS-sedimentation volume**
- Singh TK, Fox PF, Healy A// Univ Minnesota, Dept Food Sci & Nutr, 1334 Eckles Ave, St Paul, Mn 55108, USA
J Dairy Res 1997 64 (3) 433
- Isolation and identification of further peptides in the diafiltration retentate of the water-soluble fraction of Cheddar cheese**
- Skocir E, Prosek M, Strazisar M, Golob T, Plestenjak AM// Natl Inst Chem, Dept Food Chem, Hajdrihova 19, POB 3430, Ljubljana 1001, Slovenia
J Microcolumn Sep 1997 9 (6) 451
- Quantitative determination of some amino acids in maize seed and seaweed by micellar electrokinetic chromatography**
- Stevenson SG, Preston KR// Canadian Grain Commiss, Grain Res Lab, 1404-303 Main St, Winnipeg, Manitoba, Canada R3C 3G8
J Liq Chromatogr Relat Technol 1997 20 (16-17) 2835
- Effects of surfactants on wheat protein fractionation by flow field-flow fractionation**
- Suzuki KT, Sasakura C, Ohmichi M// Chiba Univ, Fac Pharmaceut Sci, Chiba 263, Japan
J Trace Elem Med Biol 1997 11 (2) 71
- Binding of endogenous and exogenous cadmium to glutelin in rice grains as studied by HPLC/ICP-MS with use of a stable isotope**
- Takaoka M, Watanabe S, Sassa H, Yamamori M, Nakamura T, Sasakura T, Hirano H*// *Yokohama City Univ, Kihara Inst Biol Res, Totsuka ku, Maioka 641-12, Yokohama, Kanagawa 244, Japan
J Agr Food Chem 1997 45 (8) 2929
- Structure characterization of high molecular weight starch granule-bound proteins in wheat (*Triticum aestivum* L)**
- Tuan YH, Phillips RD*// *Univ Georgia, Agr Expt Stn, Dept Food Sci & Technol, Griffin, Ga 30223, USA
J Agr Food Chem 1997 45 (9) 3535
- Optimized determination of cysteine-cysteine and acid-stable amino acids from a single hydrolysate of casein- and sorghum-based diet and digesta samples**
- Wilkinson J, Hewavitharana AK// New Zealand Dairy Res Inst, Private Bag 11029, Palmerston North, New Zealand
Milchwissenschaft 1997 52 (8) 423
- Lysinoalanine determination in sodium caseinate using the LKB Alpha Plus amino acid analyser**
- 4 CARBOHYDRATES**
- Amarita F, Fernandez CR*, Alkorta F// *Univ Pais Vasco, Dept Bioquim & Biol Mol, E-48080 Bilbao, Spain**
- Anal Chim Acta* 1997 349 (1-3) 153
- Hybrid biosensors to estimate lactose in milk**
- Bielecki RL, Clark CJ, Klages KU// Hort & Food Res Inst New Zealand Ltd, Private Bag 92169, Auckland, New Zealand
Phytochemistry 1997 46 (1) 51
- Identification of myo-inositol as a major carbohydrate in kiwifruit, *Actinidia deliciosa***
- Caldwell EF, Nelsen TC// Amer Assoc Cereal Chemists, 3340 Pilot Knob Rd, St Paul, Mn 55121, USA
Cereal Food World 1997 42 (9) 768
- Comparison of β-glucan method results on an analytical reference standard**
- Castillo CPS, Dewey PJS, Finnie S, Solano MD, James WPT// Inst Nac Nutr Salvador Zubiran, Subdirecc Nutr Expt & Ciencia Alimentos, Dept Fisiol Nutr, Mexico City 14000, DF, Mexico
Arch Latinoamer Nutr 1997 47 (2) 168
- The starch and total sugar content of Mexican fruit and vegetables**
- Chaturvedi P, Warren CD, Ruiz-Palacios GM, Pickering LK, Newburg DS// Eunice Kennedy Shriver Ctr Mental Retardat Inc, Waltham, Ma 02254, USA
Anal Biochem 1997 251 (1) 89
- Milk oligosaccharide profiles by reversed-phase HPLC of their perbenzoylated derivatives**
- Debyser W, Schooneveld-Bergmans MEF, Derdelinckx G, Grobet PJ, Delcour JA// Katholieke Univ Leuven, Food Chem Lab, Kardinaal Mercierlaan 92, B-3001 Heverlee, Belgium
J Agr Food Chem 1997 45 (8) 2914
- Nuclear magnetic resonance and methylation analysis-derived structural features of water-extractable arabinoxylans from barley (*Hordeum vulgare* L) malts**
- Hoebrugge H// ORAFTI, Analyt Serv, Aandorenstr 1, B-3300 Tiener, Belgium
J AOAC Int 1997 80 (5) 1029
- Fructans in foods and food products, ion-exchange chromatographic method: Collaborative study**
- Knuckles BE, Yokoyama WH, Chiu MM// USDA/ARS, Western Reg Res Ctr, Cereal Prod Utilization Res Unit, Albany, Ca 94710, USA
Cereal Chem 1997 74 (5) 599
- Molecular characterization of barley β-glucans by size exclusion chromatography with multiple-angle laser light scattering and other detectors**
- Millard MM, Dintzis FR, Willett JL*, Klavons JA// *USDA/ARS, Natl Ctr Agr Utilizat Res, 1815 Nth Univ, Peoria, Il 61604, USA
Cereal Chem 1997 74 (5) 687
- Light-scattering molecular weights and intrinsic viscosities of processed waxy maize starches in 90% dimethyl sulfoxide and H₂O**
- Quemener B, Thibault JF, Coussement P// INRA, Biochim & Technol Glucides Lab, rue Geraudiere, BP 1627, F-44316 Nantes 03, France
Int J Biol Macromol 1997 21 (1-2) 175
- Integration of inulin determination in the AOAC method for measurement of total dietary fibre**
- 5 LIPIDS**
- Anwar M, Masoom-Yasinza M// Univ Baluchistan, Dept Chem, Quetta, Pakistan
J Chem Soc Pakistan 1997 19 (1) 31
- Determination of free sterol content of various brands of eggs, ghee/oils, using immobilized enzyme column in a flow system**
- Barlow SM, Bimbo AP, Miller EL, Thorisson S, Walters DE// IFOMA, 2 Coll Yard, St Albans AL3 4PA, Herts, England
J Amer Oil Chem Soc 1997 74 (9) 1077
- Collaborative test of determination of iodine value in fish oils. I. Reaction time and carbon tetrachloride or cyclohexane as solvents**
- Barlow SM, Bimbo AP, Miller EL, Thorisson S, Walters DE// Address as above.
J Amer Oil Chem Soc 1997 74 (9) 1085
- Collaborative test of determination of iodine value in fish oils. II. Carbon tetrachloride or cyclohexane acetic acid as solvents**
- Borquez R, Koller WD, Wolf W, Spiess WEL// Concepcion Univ, Dept Ing Quim, Casilla 58-C, Concepcion, Chile
Food Sci Technol-Lebensm Wiss 1997 30 (5) 502
- A rapid method to determine the oxidation kinetics of n-3 fatty acids in fish oil**
- Caboni MF, Costa A, Rodriguez-Estrada MT, Lercker G// Univ Bologna, Ist Ind Agrarie, Via S Giacomo 7, I-40126 Bologna, Italy
Chromatographia 1997 46 (3-4) 151
- High performance liquid chromatographic separation of cholesterol oxidation products**
- Chavarri F, Virto M, Martin C*, Najera AI, Santisteban A, Barron LJR, De Renobales M// *Univ Pais Vasco, Fac Farm, Apdo 450, E-01080 Vitoria, Spain
J Dairy Res 1997 64 (3) 445
- Determination of free fatty acids in cheese: Comparison of two analytical methods**
- Cullen P, Tegelkamp K, Fobker M, Kannenberg F, Assmann G// Inst Arterioskleroforsch, Domagkstr 3, D-48149 Munster, Germany
Anal Biochem 1997 251 (1) 39
- Measuring cholesterol in macrophages: Comparison of high-performance liquid chromatography and gas-liquid chromatography with enzymatic fluorometry**
- Dahlberg DB, Lee SM, Wenger SJ, Vargo JA// Lebanon Valley Coll, Dept Chem, Annville, Pa 17003, USA
Appl Spectrosc 1997 51 (8) 1118
- Classification of vegetable oils by FT-IR**
- Damiani P, Cossignani L, Simonetti MS, Santinelli F, Monotti M// Univ Perugia, Ist Chim Bromatol, Via S Costanzo, POB 346, I-06100 Perugia, Italy
J Amer Oil Chem Soc 1997 74 (8) 927
- Stereospecific analysis of triacylglycerols from vegetable oils by two procedures. II. Normal and high-oleic sunflower oils**
- Dieffenbacher A, Dysseler P// Address not available.
Pure Appl Chem 1997 69 (8) 1829
- The determination of trans unsaturated fatty acids in edible oils and fats by capillary gas-liquid chromatography**
- Elfman-Borjesson I, Harrod M*// *SIK Swedish Food Inst, Chalmers Univ Technol, Dept Food Sci, S-40229 Gothenburg, Sweden
J High Res Chromatogr 1997 20 (9) 516
- Analysis of non-polar lipids by HPLC on a diol column**
- Evangelisti F, Zunin P, Tiscornia E, Petacchi R, Drava G, Lanteri S// Univ Genoa, Dipt Chim & Tecnol Farmaceut & Alimentari, Via Brigata Salerno Ponte, I-16147 Genoa, Italy
J Amer Oil Chem Soc 1997 74 (8) 1017
- Stability to oxidation of virgin olive oils as related to olive conditions: Study of polar compounds by chemometric methods**

- Gallart M, Francioli S, Viu-Marco A, Lopez-Tamames E, Buxaderas S*// *Univ Barcelona, CERTA, Avda Joan XXIII s/n, E-08028 Barcelona, Spain
J Chromatogr A 1997 **776** (2) 283
 Determination of free fatty acids and their ethyl esters in musts and wines
- Ghosh P, Patterson GW*, Wikfors GH// *Univ Maryland, Dept Plant Biol, College Pk, Md 20742, USA
Lipids 1997 **32** (9) 1011
 Use of an improved internal-standard method in the quantitative sterol analyses of phytoplankton and oysters
- Haryati T, Man YBC*, Asbi A, Ghazali HM, Buana L// *Univ Pertanian, Dept Food Technol, Fac Food Sci & Biotechnol, Serdang 43400, Malaysia
J Amer Oil Chem Soc 1997 **74** (8) 939
 Determination of iodine value of palm oil by differential scanning calorimetry
- Kamal-Eldin A, Marquez-Ruiz G, Dobarganes C, Appelqvist LA// Swedish Univ Agr Sci, Dept Food Sci, Box 7051, S-75007 Uppsala, Sweden
J Chromatogr A 1997 **776** (2) 245
 Characterisation of aldehydic acids in used and unused frying oils
- Lakritz L, Jones KC// USDA/ARS, ERRC, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA
J Amer Oil Chem Soc 1997 **74** (8) 943
 Separation and quantitation of cholesterol oxides by HPLC with an evaporative light scattering detector in a model system
- Leth T// Natl Food Agcy, Inst Food Chem & Nutr, Deputy Head Div, Morkhøj Bygade 19, DK-2860 Soborg, Denmark
Z Lebensm Unters Forsch A-Food 1997 **205** (2) 111
 Chemometric analysis of mass spectra of *cis* and *trans* fatty acid picolinyl esters
- Li WS, Shaw JT*// *Natl Taiwan Univ, Dept Agr Machinery Engn, 136 Chou Shan Rd, Taipei 106, Taiwan
Cereal Chem 1997 **74** (5) 556
 Determining the fat acidity of rough rice by near-infrared reflectance spectroscopy
- Lucker E, Bulte M// Univ Giessen, Inst Tierärztliche Ernährungsmittelkunde, Frankfurter Str 92, D-35392 Giessen, Germany
Fleischwirtschaft 1997 **77** (9) 836
 Procedures for the detection of unwanted ingredients in meat products with regard to bovine spongiform encephalopathy (BSE). I. Enzymatic analysis of cholesterin: A rapid procedure for the detection of central nervous tissue (Germany)
- Ma K, Van de Voort FR*, Sedman J, Ismail AA// *McGill Univ, Dept Food Sci & Agr Chem, IR Grp, MacDonald Campus, Box 187, St Anne de Bellevue, Quebec, Canada H9X 3V9
J Amer Oil Chem Soc 1997 **74** (8) 897
 Stoichiometric determination of hydroperoxides in fats and oils by Fourier transform infrared spectroscopy
- Manninen P, Laakso P// Turku Univ, Dept Biochem & Food Chem, FIN-20014 Turku, Finland
J Amer Oil Chem Soc 1997 **74** (9) 1089
 Capillary supercritical fluid chromatography/atmospheric pressure chemical ionization mass spectrometry of triacylglycerols in berry oils
- Manninen P, Laakso P// Address as above.
Lipids 1997 **32** (8) 825
 Capillary supercritical fluid chromatography-atmospheric pressure chemical ionization mass spectrometry of γ - and α -linolenic acid containing triacylglycerols in berry oils
- Menten JFM, Pesti GM*, Bakalli RI// *Univ Georgia, Dept Poultry Sci, Athens, Ga 30602, USA
Poultry Sci 1997 **76** (9) 1292
 A new method for determining the availability of choline in soybean meal
- Nauck M, Marz W, Jarausch J, Cobbaert H, Sagers A, Bernard D, Delanghe O, Honauer G, Lehmann P, Oestrich E, Van Eckardstein A, Walch S, Wieland H, Assman G// Univ Hosp Freiburg, Div Clin Chem, Hugstetter Str 55, D-79106 Freiburg, Germany
Clin Chem 1997 **43** (9) 1622
 Multicenter evaluation of a homogeneous assay for HDL-cholesterol without sample pretreatment
- Park YH, Kim WS, Lee DW// Yonsei Univ, Dept Chem, Seoul 120749, South Korea
J Liq Chromatogr Relat Technol 1997 **20** (16-17) 2599
 Characterization of intravenous fat emulsion by sedimentation field-flow fractionation and photon correlation spectroscopy
- Rodriguez-Palmero M, Lopez-Sabater MC, Castellote-Bargallo AI, De la Torre-Boronat MC, Rivero-Urgell MJ// Univ Barcelona, Dept Human Physiol Sci & Nutr, Avda Joan XXIII s/n, E-08028 Barcelona, Spain
J Chromatogr A 1997 **778** (1-2) 435
 Comparison of two methods for the determination of fatty acid profiles in plasma and erythrocytes
- Robinson JF, Neyer-Hilvert J// 354 Oakwood Pk Dr, Cincinnati, Oh 45238, USA
J Chem Educ 1997 **74** (9) 1106
 Integration of GC/MS instrumentation into the undergraduate laboratory: Separation and identification of fatty acids in commercial fats and oils
- Santinelli F, Damiani P*// *Univ Perugia, Ist Chim Bromatol, Via S Costanzo, POB 346, I-06100 Perugia, Italy
J Amer Oil Chem Soc 1997 **74** (8) 935
 A simple and rapid method for concurrent determination of petroselinic and oleic acids in oils
- Sauerwein H, Meyer HHD// Tech Univ München Weihenstephan, Forschungszentrum Milch & Lebensmittelweihenstephan, Inst Physiol, D-85350 Freising, Weihenstephan, Germany
Monatsschr Brauwissen 1997 **50** (7-8) 142
 Determination of estrogenically active compounds in beer and in its raw materials (German, English Abstract)
- Sedman J, Van de Voort FR*, Ismail AA// *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 1997 **74** (8) 907
 Upgrading the AOCS infrared *trans* method for analysis of neat fats and oils by Fourier transform infrared spectroscopy
- Shaw AD, De Camillo A, Vlahov G, Jones A, Bianchi G, Rowland J, Kell DB// Univ Wales, Inst Biol Sci, Aberystwyth SY23 3DA, Wales
Anal Chim Acta 1997 **348** (1-3) 357
 Discrimination of the variety and region of origin of extra virgin oils ^{13}C NMR and multivariate calibration with variable reduction
- Snow NH, Dunn M, Patel S// Seton Hall Univ, Dept Chem, South Orange, NJ 07079, USA
J Chem Educ 1997 **74** (9) 1108
 Determination of crude fat in food products by supercritical fluid extraction and gravimetric analysis
- Sobajic S, Agbaba D, Miric M, Dordevic B// Univ Belgrade, Sch Pharm, POB 146, YU-11000 Belgrade, Yugoslavia
J Planar Chromat-Mod TLC 1997 **10** (4) 308
 Quantitative determination of neutral animal lipids by planar chromatography with a new detection method
- Wold JP, Isaksson T// Matforsk, Norwegian Food Res Inst, Osloveien 1, N-1432 As, Norway
J Food Sci 1997 **62** (4) 734
 Non-destructive determination of fat and moisture in whole Atlantic salmon by near-infrared diffuse spectroscopy
- Wu WH, Lillard DA, Akoh CC// USDA/ARS, Eastern Reg Res Ctr, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA
J Food Lipids 1997 **4** (2) 97
 Direct saponification: A simple and rapid method for determination of total cholesterol and fatty acid composition of aquatic foods
- Wu XD, Hammond EG*, White PJ, Fehr W// *Iowa State Univ, Dept Food Sci & Human Nutr, Ames, Ia 50011, USA
J Amer Oil Chem Soc 1997 **74** (9) 1099
 Analysis of furanoid esters in soybean oil and the effect of variety and environment on furanoid ester content
- Zhang HZ, Lee TC*// *Rutgers State Univ, Dept Food Sci, POB 231, New Brunswick, NJ 08903, USA
J Agr Food Chem 1997 **45** (9) 3515
 Rapid near-infrared spectroscopic method for the determination of free fatty acid in fish and its application in fish quality assessment

6 VITAMINS & CO-FACTORS

- Albala-Hurtado S, Novella-Rodriguez MT, Veciana-Nogues MT, Marine-Font A*// *Univ Barcelona, Unitat Nutr & Bromatol, Avda Joan XXIII s/n, E-08028 Barcelona, Spain
J Chromatogr A 1997 **778** (1-2) 243
 Determination of vitamins A and E in infant milk formulae by high-performance liquid chromatography
- Albala-Hurtado S, Veciana-Nogues MT, Izquierdo-Pulido M, Marine-Font A*// *Univ Barcelona, Unitat Nutr & Bromatol, Avda Joan XXIII s/n, E-08028 Barcelona, Spain
J Chromatogr A 1997 **778** (1-2) 247
 Determination of water-soluble vitamins in infant milk by high-performance liquid chromatography
- Bagheri A, Emani F, Nateghi MR// Shahid Beheshti Univ Med Sci, Dept Chem, Tehran, Iran
Anal Lett 1997 **30** (11) 2023
 Direct measurement of traces of vitamin C in urine using a modified glassy carbon electrode
- Broccio M, Della-Rovere F*, Granata A, Zirilli A, Artemisia A, Pirrone G, Broccio G// *Univ Messina, Policlin Univ, Cattedra Chirurg Urgenza, I-98147 Messina, Italy
Oncol Rep 1997 **4** (4) 779
 Vitamins A and E in neoplastic disease: Simultaneous serum assay by high pressure liquid chromatography
- Denisova LV, Filimonov VN, Balyatinskaya LN, Kolosova IF// Belgorod State Technol Acad Construct Mat, ul Kostyukova 46, Belgorod 308012, Russia
J Anal Chem-Engl Tr 1997 **52** (9) 877
 Chromatographic behavior of fat-soluble vitamins in reversed-phase liquid chromatography with a water-isopropanol mobile phase

- Giroussi ST, Voulgaropoulos AN, Goliomowski J// Aristotelian Univ, Thessaloniki, Analyt Chem Lab, GR-54006 Thessaloniki, Greece
Chem Anal 1997 42 (4) 589
- Voltammetric determination of vitamin B₁₂ (as cobalt) after UV digestion
- Gong BY, Ho JW// Beijing Univ, Dept Chem, Beijing, Peoples Rep China
J Liq Chromatogr Relat Technol 1997 20 (15) 2389
- Simultaneous separation and detection of ten common fat-soluble vitamins in milk
- Hagiwara T, Yasuno T, Funayama K, Suzuki S// Tokyo Metropolitan Res Lab Publ Hlth, Shinjuku ku, 3-24-1 Hyakunin cho, Tokyo 169, Japan
J Food Hyg Soc Jpn 1997 38 (4) 211
- Determination of lycopene, α-carotene and β-carotene in vegetable juice by liquid chromatography/atmospheric pressure chemical ionization mass spectrometry
- Kawakami T, Honda K, Igarashi S*// *Ibaraki Univ, Fac Engn, Dept Mat Sci, Hitachi, Ibaraki 316, Japan
Chem Pharm Bull Tokyo 1997 45 (8) 32
- Spectrophotometric determination for 10⁻⁸ M levels of L-ascorbic using the diazotization of 5,10,15,20-tetrakis(4-aminophenyl)porphine
- Leray C, Andriamanampandy M, Gutbier G, Cavadenti J, Klein-Soyer C, Gachet C, Cazenave JP// Etab Transfus Sanguine Strasbourg, INSERM U311, 10 rue Spielmann, BP 36, F-67065 Strasbourg, France
J Chromatogr B 1997 696 (1) 33
- Quantitative analysis of vitamin E, cholesterol and phospholipid fatty acids in a single aliquot of human platelets and cultured endothelial cells
- Okajima TIL, Pepperberg DR*// *Univ Illinois, Dept Ophthalmol & Visual Sci, Lions Illinois Eye Res Inst, 1855 West Taylor St, Chicago, IL 60612, USA
Exp Eye Res 1997 65 (3) 331
- Retinol kinetics in the isolated retina determined by retinoid extraction and HPLC
- Ortiz-Boyer F, Fernandez-Romero JM, Luque de Castro MD*, Quesada JM// *Univ Cordoba, Dept Analyt Chem, E-14004 Cordoba, Spain
J Chromatogr B 1997 696 (1) 43
- Continuous cleanup/preconcentration procedure of hydroxyvitamin D₃ metabolites in plasma as an alternative to batch solid-phase extraction
- Perez AG, Olias R, Espada J, Olias JM, Sanz C*// *CSIC, Inst Grasa, Dept Fisiol & Tecnol Prod Vegetales, Padre Garcia Tejero 4, E-41012 Seville, Spain
J Agr Food Chem 1997 45 (9) 3545
- Rapid determination of sugars, nonvolatile acids, and ascorbic acid in strawberry and other fruits
- Schuep W, Schierle J// F Hoffmann La Roche & Co Ltd, Vitamins & Fine Chem, CH-4070 Basel, Switzerland
J AOAC Int 1997 80 (5) 1057
- Determination of β-carotene in commercial foods: Interlaboratory study
- Sommerburg O, Zang LY, Van Kuijk FJGM// Univ Hosp Charite, Dept Pediat Nephrol, Schumannstr 20-21, D-10098 Berlin, Germany
J Chromatogr B 1997 695 (2) 209
- Simultaneous detection of carotenoids and vitamin E in human plasma
- Strochkova EM, Turyan YI, Kuselman I*, Shenhar A// *Natl Phys Lab, Danziger A Bldg, IL-91904 Jerusalem, Israel
Talanta 1997 44 (10) 1923
- Simultaneous voltammetric determination of uric and ascorbic acids in urine
- Wingerath T, Kirsch D, Spengler B, Kaufmann R, Stahl W*// *Univ Dusseldorf, Inst Physiol Chem 1, Postfach 101007, D-40001 Dusseldorf, Germany
Anal Chem 1997 69 (19) 3855
- High performance liquid chromatography and laser desorption/ionization mass spectrometry of retinyl esters
- Yan Y, Xu JG*, Lin J, Chen GZ// *Xiamen Univ, State Lab Analyt Sci, Dept Chem, Xiamen 361005, Peoples Rep China
Chem J Chinese Univ-Chinese 1997 18 (6) 877
- Simultaneous determination of vitamin B₂ and B₆ using three-dimensional fluorescence spectrometry by detecting total fluorescence intensity
- Zhou DM, Xu JJ, Chen HY*, Fang HQ// *Nanjing Univ, Dept Chem, State Key Lab Co-ordin, Nanjing 210093, Peoples Rep China
Electroanal 1997 9 (15) 1185
- Ascorbate sensor based on 'self-doped' polyaniline
- 7 TRACE ELEMENTS & MINERALS**
- Ali M, Khan AH, Wahiduzzaman AKM, Malek MA// Atom Energy Ctr, Div Chem, POB 164, Dhaka 1000, Bangladesh
J Radioanal Nucl Chem 1997 219 (1) 81
- Trace element concentration in hair of Bangladesh children under normal and malnutrition conditions
- Ali SA, Rehmani FS// Univ Baluchistan, Inst Biochem, Quetta, Pakistan
J Chem Soc Pakistan 1997 19 (1) 69
- Estimation of bio-available iron in traditional foods of Balochistan
- Almeida AA, Cardoso MI, Lima JLFC*// *CEQUP, Dept Quim Fis, Rua Anibal Cunha 164, P-4050 Oporto, Portugal
J Anal Atom Spectrom 1997 12 (8) 837
- Improved determination of aluminium in port wine by electrothermal atomic absorption spectrometry using potassium dichromate chemical modification and end-capped graphite tubes
- Altaf WJ, Spyrou NM// Univ Umm Al-Qura, Dept Phys, POB 6924, Mecca, Saudi Arabia
J Radioanal Nucl Chem 1997 217 (2) 201
- Evaluation of concentrations of major and trace elements in human lung using INAA and PIXE
- Amarasiriwardena D, Kotrebai M, Krushewska A, Barnes RM// Hampshire Coll, Sch Nat Sci, Amherst, Ma 01002, USA
Can J Anal Sci Spectrosc 1997 42 (3) 69
- Multielement analysis of human milk by inductively coupled plasma mass and atomic emission spectrometry after high pressure, high temperature digestion
- Artiss JD, Yang WC, Harake B, Capellari E, Kretch C, Eisenbrey AB, Zak B// Wayne State Univ, Dept Pathol, 540 East Canfield Ave, Detroit, Mi 48201, USA
Amer J Clin Pathol 1997 108 (3) 269
- Application of a sensitive and specific reagent for the determination of serum iron to the Bayer DAX48
- Aydin H, Oruc O// Gazi Univ, Fen Edebiyat Fak Kimya Bolumu, TR-06500 Ankara, Turkey
Fresenius J Anal Chem 1997 358 (7-8) 859
- Anodic stripping voltammetric determination of total lead, copper and selenium in whole blood and blood serum
- Barany E, Bergdahl IA*, Schutz A, Skerfving S, Oskarsson A// *Lund Univ, Dept Occupat & Environm Med, S-22185 Lund, Sweden
J Anal Atom Spectrom 1997 12 (9) 1005
- Inductively coupled plasma mass spectrometry for direct multi-element analysis of diluted human blood and serum
- Begerow J, Turfeld M, Dunemann L*// *Med Inst Unwelthyg, Dept Analyt Chem, Hennekamp 50, D-40225 Dusseldorf, Germany
J Anal Atom Spectrom 1997 12 (9) 1095
- Determination of physiological palladium, platinum, iridium and gold levels in human blood using double focusing magnetic sector field inductively coupled plasma mass spectrometry
- Bermejo-Barrera P, Moreda-Pineiro A, Moreda-Pineiro J, Bermejo-Barrera A// Univ Santiago de Compostela, Dept Analys Chem Nutr & Bromatol, Avda Ciencias s/n, E-15706 Santiago de Compostela, Spain
Anal Chim Acta 1997 349 (1-3) 319
- Determination of nickel in human scalp hair by slurry sampling: Electrothermal atomic absorption spectrometry
- Blatny P, Kvasnicka F, Loucka R, Safarova H// Inst Chem Technol Prague, Dept Carbohydrate Chem & Technol, Tech 3, Prague 16628, Czech Republic
J Agr Food Chem 1997 45 (9) 3554
- Determination of ammonium, calcium, magnesium, and potassium in silage by capillary isotachophoresis
- Cantone MC, De Bartolo D, Giussani A, Garlaschelli L, Hansen C, Roth P, Werner E// Ist Nazl Fis Nucl, Via Celoria 16, I-20133 Milan, Italy
J Radioanal Nucl Chem 1997 217 (2) 279
- CPAA for studying biokinetics with stable isotopes: A preliminary investigation on zirconium metabolism in animals
- Cheng TP, Anderson HD, Mills DS, Spate VL, Baskett CK, Morris JS// Univ Missouri, Res Reactor, Res Pk, Columbia, Mo 65211, USA
J Radioanal Nucl Chem 1997 217 (2) 171
- Determination of the fluoride distribution in rabbit bone using instrumental neutron activation analysis
- Chung YS, Chung YJ, Cho KH, Lee JH// Korea Atom Energy Res Inst, POB 105, Taejon 305600, South Korea
J Radioanal Nucl Chem 1997 215 (1) 129
- Determination of trace and toxic elements in Korean rice CRM by INAA, ICP and AAS
- Cuilliere ML, Montagne P, Mole C, Bene MC, Faure G// Fac Med Vandoeuvre Nancy, Immunol Lab, GRIP, BP 184, F-54503 Vandoeuvre les Nancy, France
J Clin Lab Anal 1997 11 (5) 239
- Microparticle-enhanced nephelometric immunoassay of lactoferrin in human milk
- Deibel MA, Landsberger S, Wu D, Ehmann WD// Univ Kentucky, Dept Chem, Lexington, Ky 40506, USA
J Radioanal Nucl Chem 1997 217 (2) 153
- Non-destructive analysis of copper in human brain tissue by neutron activation analysis using coincidence and anti-coincidence techniques
- El-Amri FA, El-Kabroun MAR// Al-Fateh Univ, Dept Chem, POB 13361, Tripoli, Libya
J Radioanal Nucl Chem 1997 217 (2) 205
- Trace element concentrations in human bone using instrumental neutron activation analysis
- Gallo P, Serpe L, Brambilla G// Ist Zooprofilatt Sperimentale Mezzogiorno, Via Salute II, I-80055 Portici, NA, Italy
J AOAC Int 1997 80 (5) 956
- Determination of chromium in feeds by automated microwave digestion and atomic absorption spectrophotometry
- Garrido J, Ayestaran B, Fraile P, Ancin C*// *Univ Publ Navarra, Dept Appl Chem, Campus Arrosadia s/n, E-31006 Pamplona, Spain
J Agr Food Chem 1997 45 (8) 2843

- Influence of prefermentation clarification on heavy metal lability in Garnacha must and rose wine using differential pulse anodic stripping voltammetry
- Gerbersmann C, Heisterkamp M, Adams FC*, Broekaert JAC// *Univ Instelling Antwerp, Dept Chem, Universiteitsplein 1, B-2610 Wilrijk, Belgium
Anal Chim Acta 1997 **350** (3) 273
- Two methods for the speciation analysis of mercury in fish involving microwave-assisted digestion and gas chromatography atomic/emission spectrometry
- Gottelt U, Henrion G*, Henrion R// *Humboldt Univ Berlin, Inst Chem, Hess Str 1-2, D-10115 Berlin, Germany
Fresenius J Anal Chem 1997 **358** (7-8) 781
- Multivariate data analysis of trace element content in animal organs measured by simultaneous atomic absorption spectrometry
- Hollands R, Spyrou NM, Vlijh V, Scales JT// Univ Surrey, Dept Phys, Guildford GU2 5XH, England
J Radioanal Nucl Chem 1997 **217** (2) 185
- Elemental composition of skin tissue by PIXE and IAA analyses
- Huang CC, Yang MH*, Shih TS// *Natl Tsing Hua Univ, Dept Nucl Sci, Hsinchu 30043, Taiwan
Anal Chem 1997 **69** (19) 3930
- Automated on-line sample pretreatment system for the determination of trace metals in biological samples by inductively coupled plasma mass spectrometry
- Huynh MPT, Carrot F, Ngoc SCP, Vu MD, Revel G// Ctr Serv Anal & Experimant, 2 rue Nguyen Van Thu, 1er Ar, Thanh Pho Ho Chi Minh, Vietnam
J Radioanal Nucl Chem 1997 **217** (1) 95
- Determination of rare earth elements in rice by INAA and ICP-MS
- Inagaki K, Haraguchi H*// *Nagoya Univ, Dept Appl Chem, Chikusa ku, Furo cho, Nagoya, Aichi 464, Japan
Chem Lett 1997 (8) 775
- Rare earth elements in human blood serum as determined by inductively coupled plasma mass spectrometry
- Kahama RW, Damen JJM, Ten Cate JM// Acad Ctr Dent Amsterdam, Dept Cariol Endodontol Pedodontol, Louwesweg 1, NL-1066 EA Amsterdam, The Netherlands
Analyst 1997 **122** (8) 855
- Enzymatic release of sequestered cow's milk fluoride for analysis by the hexamethyldisiloxane microdiffusion method
- Krishnan S, Sturridge WC, Krishnan M, Qureshi RY// Toronto Gen Hosp, Med Phys Lab, 585 Univ Ave, Toronto, Ontario, Canada M5G 2C4
J Radioanal Nucl Chem 1997 **216** (1) 33
- Comparison of the determination of body calcium by *in-vivo* neutron activation analysis (IVNAA) and dual energy X-ray absorptiometry (DEXA)
- Larsen EH, Pedersen GA, McLaren JW// Natl Food Agcy Denmark, Inst Food Chem & Nutr, 19 Morkhøj Bygade, DK-2860 Soborg, Denmark
J Anal Atom Spectrom 1997 **12** (9) 963
- Characterization of National Food Agency shrimp and plaice reference materials for trace elements and arsenic species by atomic and mass spectrometric techniques
- Liu TZ, Lai D, Osterloh JD*// *Univ Calif, San Francisco Gen Hosp, Met Lab, Box 0843, 1001 Potrero Ave, San Francisco, Ca 94110, USA
Anal Chem 1997 **69** (17) 3539
- Indium as internal standard in square wave anodic stripping analysis of lead in blood with microelectrode arrays
- Locatelli C, Fagioli F// Univ Bologna, Dept Chem G Ciamician, Via F Selmi 2, I-40126 Bologna, Italy
Ann Chim-Rome 1997 **87** (7-8) 535
- Determination at trace level of heavy metals in mussels and clams
- McKinnon AJ, Scollary GR*// *Univ Melbourne, Sch Chem, Parkville, Vic 3052, Australia
Talanta 1997 **44** (9) 1649
- Size fractionation of metals in wine using ultrafiltration
- Oshima H, Sano M, Ushio F, Kawamura N, Yamada S, Saito I, Hayakawa JJ// Aichi Prefectural Inst Publ Hlth, Kita ku, Nagare 7-6, Nagoya, Aichi 462, Japan
Jpn J Toxicol Environ Health 1997 **43** (4) 237
- Spectrophotometric method for heme iron determination in foods (Japanese, English Abstract)
- Pedrioli R, Giuliani E, Margutti A, Uberti ED// Univ Ferrara, Dipt Chim, Via L Borsari 46, I-44100 Ferrara, Italy
Ann Chim-Rome 1997 **87** (7-8) 449
- Iodine assay in cow milk: Industrial treatments and iodine concentration
- Porte N, Mauerhofer E, Denschlag HO// Univ Mainz, Inst Kernchem, D-55099 Mainz, Germany
J Radioanal Nucl Chem 1997 **220** (1) 3
- Determination of phosphorus by instrumental neutron activation and bremsstrahlung measurement in bone samples
- Ren YL, Zhang ZY*, Ren YQ, Li W, Wang MC, Xu G// *NE Normal Univ, Dept Chem, Changchun 130024, Peoples Rep China
Talanta 1997 **44** (10) 1823
- Diagnosis of lung cancer based on metal contents in serum and hair using multivariate statistical methods
- Rietz B, Heydorn K, Pritzl G// RISO Natl Lab, Isotope Div, DK-4000 Roskilde, Denmark
- J Radioanal Nucl Chem* 1997 **216** (1) 113
- Determination of aluminium in fish tissues by means of INAA and ICP-MS
- Riondato J, Vanhaecke F, Moens L, Dams R*// *State Univ Ghent, Inst Nucl Sci, Analyt Chem Lab, Proeftuinstr 86, B-9000 Ghent, Belgium
J Anal Atom Spectrom 1997 **12** (9) 933
- Determination of trace and ultratrace elements in human serum with a double focusing magnetic sector inductively coupled plasma mass spectrometer
- Singh AK, Bhattacharjee G, Singh M, Chandra S// Univ Roorkee, Dept Chem, Roorkee 247667, Uttar Pradesh, India
Electroanal 1997 **9** (13) 1005
- A new macrocyclic polystyrene based membrane sensor for zinc
- Singh V, Garg AN// Nagpur Univ, Dept Chem, Nagpur 440010, Maharashtra, India
J Radioanal Nucl Chem 1997 **217** (1) 139
- INAA of trace elements in Indian vegetarian diet and its adequacy vis-a-vis Recommended Dietary Allowances
- Suominen P, Punningen K, Rajamaki A, Irljala K// Turku Univ Hosp, Dept Clin Chem, Kiinamyllynkatu 4-8, FIN-20520 Turku, Finland
Clin Chem 1997 **43** (9) 1641
- Evaluation of new immunoenzymometric assay for measuring soluble transferrin receptor to detect iron deficiency in anemic patients
- Thompson D, Parry SJ, Benzing R// Univ London, Imperial Coll Sci Technol & Med, Ctr Analys Res Environm, Silwood Pk, Buckhurst Rd, Ascot SL5 7TE, England
J Radioanal Nucl Chem 1997 **217** (1) 147
- The validation of a method for determining the migration of trace elements from food packaging materials into food
- Turker AR, Yuksel M// Gazi Univ, Dept Chem, TR-06500 Ankara, Turkey
Atom Spectrosc 1997 **18** (4) 127
- Digestion method for flame AAS determination of transition metals in canned tomato paste
- Vazquez-Blanco ME, Vazquez-Oderiz ML, Simal-Lozano J, Lopez-Hernandez J// Univ La Coruna, Dept Quim Analit, Campus Zapateira s/n, E-15071 La Coruna, Spain
Deut Lebensm-Rundsch 1997 **93** (9) 286
- Determination of mineral elements in Galician green beans by atomic spectroscopy
- Wu SL, Feng XB, Wittmeier A// Alberta Res Council, POB 4000, Vegreville, Alberta, Canada T9C 1T4
J Anal Atom Spectrom 1997 **12** (8) 797
- Microwave digestion of plant and grain reference materials in nitric acid or a mixture of nitric acid and hydrogen peroxide for the determination of multi-elements by inductively coupled plasma mass spectrometry
- Zhang WQ, Truttmann AC, Luthi D, McGuigan JAS*// *Inst Physiol, Buhipl 5, CH-3012 Bern, Switzerland
Anal Biochem 1997 **251** (2) 246-250
- Apparent Mg^{2+} -adenosine 5'-triphosphate dissociation constant measured with Mg^{2+} macroelectrodes under conditions pertinent to ^{31}P NMR ionized magnesium determinations
- Zhou H, Liu JH// Natl Ctr Imported Food Inspect PRC, 2E 2nd Lane, Jingtai Zhi St, Guangzhou 510405, Peoples Rep China
Atom Spectrosc 1997 **18** (4) 115
- The simultaneous determination of 15 toxic elements in foods by ICP-MS

8 DRUG, BIOCIDE & PROCESSING RESIDUES

- Abad A, Moreno MJ, Montoya A*// *Univ Politecn Valencia, Lab Integrado Bioingen, Camino de Vera s/n, E-46022 Valencia, Spain
Anal Chim Acta 1997 **347** (1-2) 103
- A monoclonal immunoassay for carbofuran and its application to the analysis of fruit juices
- Abete MC, Genta E, Squadrone S// Ist Zooprofilatt Sperimentale Piemonte Liguria, Via Bologna 148, I-10154 Turin, Italy
Ind Aliment 1997 **36** (360) 753
- Tetracyclines in milk: Determination by HPLC/DAD (Italian, English Abstract)
- Ballard JM, Payne LD, Egan RS, Wehner TA, Rahn GS, Tom S// Merck Sharp & Dohme Ltd, Dept Pharmaceut Anal & Control, POB 4 WP78-210, West Point, Pa 19486, USA
J Agr Food Chem 1997 **45** (9) 3507
- Development and validation of an HPLC/MS/MS method for the confirmation of eprinomectin marker residue in bovine liver tissue
- Begley TH// US/FDA, Washington, DC 20204, USA
Food Addit Contam 1997 **14** (6-7) 545
- Methods and approaches used by FDA to evaluate the safety of food packaging materials
- Beil D, Moller M, Paschke A, Steinhart H, Ring J// Univ Hamburg, Abt Lebensmittelchem, Inst Biochem & Lebensmittelchem, Hamburg, Germany
Deut Lebensm-Rundsch 1997 **93** (8) 242
- Detection and determination of pesticide residues by HPLC and GC (German, English Abstract)
- Bennett DA, Chung AC, Lee SM// Calif Dept Food & Agr, Ctr Analys Chem, 3292 Meadowview Rd, Sacramento, Ca 95832, USA

- J AOAC Int* 1997 **80** (5) 1065
Multiresidue method for analysis of pesticides in liquid whole milk
- Bernal JL, Del Nozal MJ, Jimenez JJ, Rivera JM// Univ Valladolid, Dept Analyt Chem, E-47005 Valladolid, Spain
J Chromatogr A 1997 **778** (1-2) 111
Matrix effects in the determination of acaricides and fungicides in must by gas chromatography with electron-capture and nitrogen-phosphorus detection
- Biles JE, McNeal TP, Begley TH, Hollifield HC// US/FDA, Off Premarket Approval, HFS-248, 200 C St SW, Washington, DC 20204, USA
J Agr Food Chem 1997 **45** (9) 3541
Determination of bisphenol-A in reusable polycarbonate food-contact plastics and migrations to food-simulating liquids
- Bissacot DZ, Vassilieff I// Univ Estadual Paulista Julio Mesquita Filho, Inst Biosci Ctr Toxicol Assistance, CEATOX, Botucatu, SP, Brazil
J Anal Toxicol 1997 **21** (5) 397
HPLC determination of flumethrin, deltamethrin, cypermethrin, and cyhalothrin residues in the milk and blood of lactating dairy cows
- Blanchflower WJ, Hughes PJ, Cannavan A, McCoy MA, Kennedy DG*// *Dept Agr Ntn Ireland, Vet Sci Div, Belfast BT4 3SD, Northern Ireland
Analyst 1997 **122** (9) 967
Determination of thyreostats in thyroid and urine using high-performance liquid chromatography atmospheric pressure chemical ionisation mass spectrometry
- Boenke A// Commiss European Communities, Stand Measurements & Testing Programme, 200 rue Loi, B-1049 Brussels, Belgium
Food Addit Contam 1997 **14** (6-7) 561
Activities and current research from the EC, Standards, Measurements and Testing Programme (SMT) in the area of food contact materials
- Camel V// Inst Natl Agron Paris Grignon, Maitre Conferences Analyt Chem, F-75231 Paris 05, France
Trend Anal Chem 1997 **16** (6) 351
The determination of pesticide residues and metabolites using supercritical fluid extraction
- Cannavan A, Kennedy DG*// *Dept Agr Ntn Ireland, Vet Sci Div, Belfast BT4 3SD, Northern Ireland
Analyst 1997 **122** (9) 963
Determination of dimetridazole in poultry tissues and eggs using liquid chromatography/thermospray mass spectrometry
- Chewe D, Creaser CS*, Foxall CD, Lovett AA// *Nottingham Trent Univ, Dept Chem & Phys, Clifton Lane, Nottingham NG11 8NS, England
Chemosphere 1997 **35** (7) 1399
Validation of a congener specific method for *ortho* and non-*ortho* substituted polychlorinated biphenyls in fruit and vegetable samples
- Collyer SD, Butler AJ, Higson SPJ*// *Univ Manchester & UMIST, Manchester Mat Sci Ctr, Grosvenor St, Manchester M1 7HS, England
Electroanal 1997 **9** (13) 985
The electrochemical determination of *N*-nitrosamines at polymer modified electrodes via an adsorptive stripping voltammetric regime
- Cottier S, Riquet AM, Feigenbaum A, Mortreuil P// INRA, Lab Nutr & Secur Alimentaire, F-78350 Jouy en Josas, France
Polym Int 1997 **43** (4) 353
Change of the structure of a can coating during contact with food simulants: An ESR study
- De la Calle-Guntinas MB, Scerbo R, Chiavarini S, Quevauviller P, Morabito R// *ENEA, Dept Environm, Via Anguillarese 301, I-00060 Rome, Italy
Appl Organometal Chem 1997 **11** (8) 693
Comparison of derivatization methods for the determination of butyl- and phenyl-tin compounds in mussels by gas chromatography
- Droz C, Grob K// Official Food Control Authority, Frohbergstr 3, CH-9001 St Gallen, Switzerland
Z Lebensm Unters Forsch A-Food 1997 **205** (3) 239
Determination of food contamination by mineral oil material from printed cardboard using on-line coupled LC-GC-FID
- Echols K, Gale R, Tillitt D, Schwartz T, O'Laughlin J// Natl Biol Serv, Midwest Sci Ctr, 4200 New Haven Rd, Columbia, Mo 65201, USA
Environ Toxicol Chem 1997 **16** (8) 1590
An automated HPLC method for the fractionation of polychlorinated biphenyls, polychlorinated dibenzo-*p*-dioxins, and polychlorinated dibenzofurans in fish tissue on a porous graphitic carbon column
- Faugeron J, Tourte J, Gros P, Charabel S, Cooper JF*// *Fac Pharm Montpellier, Lab Chim Analyt, Ave Charles Flahault, F-34060 Montpellier, France
Analisis 1997 **25** (6) 192
Supercritical fluid extraction of pesticide residues. Development and validation of a method applied to cereals and cereals products (French)
- Ferchaud V, Le Bizec B, Montrande MP, Maume D, Monteau F, Andre F// Minist Agr, Ecole Natl Vet, LNR, I.DH, BP 50707, F-44307 Nantes 3, France
J Chromatogr B 1997 **695** (2) 269
Gas chromatographic/mass spectrometric identification of main metabolites of stanozolol in cattle after oral and subcutaneous administration
- Gala B, Gomez-Hens A, Perez-Bendito D// Univ Cordoba, Dept Analyt Chem, E-14004 Cordoba, Spain
Talanta 1997 **44** (10) 1883
Simultaneous determination of ampicillin and tetracycline in milk by using a stopped-flow/T-format spectrofluorimeter
- Gandini N, Riguzzi R// Univ Bologna, Dipt Chim G Ciamician, Via Selmi 2, I-40126 Bologna, Italy
J Agr Food Chem 1997 **45** (8) 3092
Headspace solid-phase microextraction analysis of methyl isothiocyanate in wine
- Gonzalez-Martinez MA, Morais S, Puchades R, Maqueira A*, Abad A, Montoya A// *Univ Politecn Valencia, Dept Quim, E-46071 Valencia, Spain
Anal Chem 1997 **69** (14) 2812
Monoclonal antibody-based flow-through immunosensor for analysis of carbaryl
- Harding SG, Johns ML, Pugh SR, Fryer PJ, Gladden LF*// *Univ Cambridge, Dept Chem Engn, Pembroke St, Cambridge CB2 3RA, England
Food Addit Contam 1997 **14** (6-7) 583
Magnetic resonance imaging studies of diffusion in polymers
- Heller DN// US/FDA, Ctr Vet Med, 8401 Murkirk Rd, Laurel, Md 20708, USA
J AOAC Int 1997 **80** (5) 975
Determination of pirlimycin residue in milk by liquid chromatographic analysis of the 9-fluorenylmethyl chloroformate derivative
- Hemmerling C, Seidl G// Staatliches Vet & Lebensmitteluntersuchungsamt, Furstenwalder Poststr 73, D-15232 Frankfurt, Germany
Deut Lebensm-Rundsch 1997 **93** (8) 239
Rapid determination of ethephon residues in food with headspace gas chromatography (German, English Abstract)
- Hofmann T// Deutsch Forsch Anstalt Lebensmittelchem, Lichtenbergstr 4, D-85748 Garching, Germany
Helv Chim Acta 1997 **80** (6) 1843
Determination of the chemical structure of novel colored 1*H*-pyrrol-3(2*H*)-one derivatives formed by Maillard-type reactions
- Holder CL, Preece SW, Conway SC, Pu YM, Doerge DR*// *US/FDA, NCTR, Jefferson, Ar 72079, USA
Rapid Commun Mass Spectrom 1997 **11** (15) 1667
Quantification of heterocyclic amine carcinogens in cooked meats using isotope dilution liquid chromatography/atmospheric pressure chemical ionization tandem mass spectrometry
- Hollaender J// Fraunhofer Inst Food Technol & Packaging, Giggenhauser Str 35, D-85354 Freising Weihenstephan, Germany
Food Addit Contam 1997 **14** (6-7) 617
Rapid assessment of food/package interactions by electrothermal impedance spectroscopy (EIS)
- Hong CC, Kondo F*// *Miyazaki Univ, Dept Vet Publ Hlth, Miyazaki 88921, Japan
J Food Protect 1997 **60** (8) 1006
Simultaneous determination and identification of penicillin residues by high-performance liquid chromatographic analysis
- Koppen G, Cerdá H// Vlaamsche Instelling Technol Onderzoek, Flemisch Inst Technol Res, Dept Environm, Boeretang 200, B-2400 Mol, Belgium
Food Sci Technol-Lebensm Wiss 1997 **30** (5) 452
Identification of low-dose irradiated seeds using the neutral comet assay
- Krock B, Vetter W, Luckas B// Univ Jena, Inst Ernährung & Umwelt, Domberger Str 25, D-07743 Jena, Germany
Chemosphere 1997 **35** (7) 1519
PCB/toxaphene group separation on silica prior to congener specific determination of toxaphene residues in fish and other samples by GC/ECD
- Lau OW, Wong SK// Chinese Univ Hong Kong, Dept Chem, Shatin 100083, NT, Hong Kong, Peoples Rep China
Anal Chim Acta 1997 **347** (3) 249
Mathematical model for the migration of plasticisers from food contact materials into solid food
- Lawrence JF, Menard C// Banting Res Ctr, Hlth Protect Branch, Food Res Div 2203D, Ottawa, Ontario, Canada K1A 0L2
J Chromatogr B 1997 **696** (2) 291
Determination of clenbuterol in beef liver and muscle using immunoaffinity chromatographic cleanup and liquid chromatography with ultraviolet absorbance detection
- Li JS, Li XW, Hu HB// China Agr Univ, Dept Vet Pharmacol Pharm & Toxiol, Beijing 100094, Peoples Rep China
J Chromatogr B 1997 **696** (1) 166
Immunoaffinity column cleanup procedure for analysis of ivermectin in swine liver
- Losada PP, Lamela CP, Fabal MFL, Fenollera PS, Lozano JS// Univ Santiago de Compostela, Dept Quim Anal Nutr & Bromatol, E-15706 Santiago de Compostela, Spain
J Agr Food Chem 1997 **45** (9) 3493
Two RP-HPLC sensitive methods to quantify and identify bisphenol a diglycidyl ether and its hydrolysis products. I. European Union aqueous food simulants
- Mercader JV, Montoya A*// *Univ Politecn Valencia, Lab Integrado Bioingn, Cami de Vera s/n, E-46022 Valencia, Spain
Anal Chim Acta 1997 **347** (1-2) 95
A monoclonal antibody-based ELISA for the analysis of azinphos-methyl in

- fruit juices
- Moret S, Piani B, Bortolomeazzi R, Contel LS*// *Univ Studi Udine, Dipt Sci Alimenti, Via Marangoni 97, I-33100 Udine, Italy
Z Lebensm Unters Forsch A-Food 1997 **205** (2) 116
- HPLC determination at polycyclic aromatic hydrocarbons in olive oils
- Murakami M, Takesada H, Tenma H, Morinaka H*, Tsuzuki K// *Tosoh Corp, Nanyo Res Labs, Kaisei cho, Shinnayo 746, Japan
J Pestic Sci 1997 **22** (3) 222
- Residue analysis of pyributicarb and its related compounds in rice
- Nagata T// Publ Food Anal Lab Chiba Prefecture, Chuo ku, 205-8 Shinmei cho, Chiba 260, Japan
Pestic Sci 1997 **51** (1) 27
- Determination of residual 2,4,5-T in vegetables by high performance liquid chromatography with ultraviolet and fluorometric detection after derivatization with 2-(2,3-naphthalimino)ethyl trifluoromethanesulfonate (NE-OTF)
- Nausch I, Galley K// Food & Vet Inst Schleswig Holstein, Max Eyth Str 5, D-24537 Neumünster, Germany
Arch Lebensmittelhyg 1997 **48** (3) 56
- Current clean-up procedures for the determination of β -agonists in bovine urine by enzyme immunoassay (EIA)
- Obana H, Okihashi M, Kakimoto S, Hori S// Osaka Prefectural Inst Publ Hlth, Higashinari ku, 1-3-69 Nakamichi, Osaka 537, Japan
Anal Commun 1997 **34** (9) 253
- Determination of acephate and methamidophos in foods using super-absorbent polymer
- Ogawa T, Okamoto N, Taniguchi K, Yamashita K, Nishida S, Higuchi H// Fukuoka City Food Inspect Stn, Hakata ku, 6-23-1 Naka, Fukuoka 816, Japan
J Food Hyg Soc Jpn 1997 **38** (4) 204
- Analysis of acephate and methamidophos in agricultural products by GC (Japanese, English Abstract)
- Pais P, Moyano E, Puignou L, Galceran MT*// *Univ Barcelona, Dept Quim Analit, Avda Diagonal 647, E-08028 Barcelona, Spain
J Chromatogr A 1997 **778** (1-2) 207
- Liquid chromatography/atmospheric-pressure chemical ionization mass spectrometry as a routine method for the analysis of mutagenic amines in beef extracts
- Payne LD, Mayo VR, Morneweck LA, Hicks MB, Wehner TA// Merck & Co Inc, Agr & Vet Analyt Res & Dev Dept, POB 2000, Rahway, NJ 07065, USA
J Agr Food Chem 1997 **45** (9) 3501
- HPLC-fluorescence method for the determination of eprinomectin marker residue in edible bovine tissue
- Rahman SA, Wood AK, Sarmani S, Majid AA// Malaysian Inst Nucl Technol Res, Kajang 43000, Selangor, Malaysia
J Radioanal Nucl Chem 1997 **217** (1) 53
- Determination of mercury and organic mercury contents in Malaysian seafood
- Reeves BJ// Eastman Chem Co, Res Labs, Kingsport, TN 37662, USA
Food Addit Contam 1997 **14** (6-7) 591
- An ultraviolet spectrophotometric method as an alternative test for determining overall migration from aromatic polyester packaging materials into fatty food oils
- Roubtsova S, Hollander J, Franz R*// *Fraunhofer Inst Lebensmitteltechnol & Verpackung, Giggenhauserstr 35, D-85354 Freising Weihenstephan, Germany
Deut Lebensm-Rundsch 1997 **93** (9) 273
- A rapid and convenient method for the quantitative determination of bisphenol A diglycidyl ether (BADGE) in foodstuffs
- Royal JE, Pfenning AP, Turnipseed SB, Walker CC, Hurlbut JA// US/FDA, Anim Drugs Res Ctr, Denver Fed Ctr, POB 25087, Denver, CO 80225, USA
J AOAC Int 1997 **80** (5) 982
- Determination of four fluoroquinolones in milk by liquid chromatography
- Russo MV, Neri B// Univ Roma La Sapienza, Dipt Chim, P A Moro 5, I-00185 Rome, Italy
Ann Chim-Rome 1997 **87** (7-8) 505
- Fast analysis of clenbuterol and β -agonist residues in bovine urine using GC-MS
- Serrano R, Lopez FJ, Roig-Navarro A, Hernandez F*// *Univ Jaume I, Dept Expt Sci, POB 224, E-12080 Castello de la Plana, Spain
J Chromatogr A 1997 **778** (1-2) 151
- Automated sample clean-up and fractionation of chlorpyrifos, chlorpyrifos-methyl and metabolites in mussels using normal-phase liquid chromatography
- Skladal P, Nunes GS, Yamanaka H, Ribeiro ML// Masaryk Univ, Dept Biochem, Kotarska 2, CR-61137 Brno, Czech Rep
Electroanal 1997 **9** (14) 1083
- Detection of carbamate pesticides in vegetable samples using cholinesterase-based biosensors
- Sojo LE, Gamble DS, Gutzman DW// ASL Labs Ltd, 1988 Triumph St, Vancouver, Brit Columbia, Canada V5L 1K5
J Agr Food Chem 1997 **45** (9) 3634
- Sorption and bound residue formation of linuron, methylparathion, and metolachlor by carrot tissues: Kinetics by on-line HPLC microextraction
- Sreedhar NY, Reddy PRK, Reddy GVS, Reddy SJ// Sri Venkateswara Univ, Dept Chem, Tirupati 517502, Andhra Pradesh, India
Talanta 1997 **44** (10) 1859
- Differential pulse polarographic determination of diclofopos, crotoxyphos and chlorfenvinphos in grains and soils
- Stewart EM, Stevenson MH// Queen's Univ Belfast, Dept Food Sci, Belfast BT9 5PX, Northern Ireland
J Sci Food Agr 1997 **74** (4) 469
- Identification of irradiated Norway lobster (*Nephrops norvegicus*) using electron spin resonance (ESR) spectroscopy and estimation of applied dose using re-irradiation: Results of an in-house blind trial
- Stewart EM, Kilpatrick DJ// Address as above.
J Sci Food Agr 1997 **74** (4) 473
- An international collaborative blind trial on electron spin resonance (ESR) identification of irradiated Crustacea
- Taguchi S, Yoshida S, Fukushima S, Hori S// Osaka Prefectural Inst Publ Hlth, Higashinari ku, 1-3-69 Nakamichi, Osaka 537, Japan
J Food Hyg Soc Jpn 1997 **38** (4) 259
- Rapid determination of tetracycline antibiotics in milk by HPLC using an on-line clean-up system (Japanese, English Abstract)
- Tharsis N, Portillo JL, Broto-Puig F*, Cornellas L// *Univ Ramon Llull, Seccio Cromatog, Inst Quim Sarria, Via Augusta 390, E-08017 Barcelona, Spain
J Chromatogr A 1997 **778** (1-2) 95
- Simplified reversed-phase conditions for the determination of benzimidazole fungicides in fruits by high-performance liquid chromatography with UV detection
- Torres CM, Pico Y*, Manes J// *Univ Valencia, Lab Bromatol & Toxicol, Avda Vicent Andres Estelles s/n, E-46100 Burjassot, Spain
J Chromatogr A 1997 **778** (1-2) 127
- Comparison of octadecylsilica and graphitized carbon black as materials for solid-phase extraction of fungicide and insecticide residues from fruit and vegetables
- Torres CM, Pico Y, Marin R, Manes J// Univ Valencia, Lab Bromatol & Toxicol, Avda Vicent Andres Estelles s/n, E-46100 Burjassot, Valencia, Spain
J AOAC Int 1997 **80** (5) 1122
- Evaluation of organophosphorus pesticide residues in citrus fruits from the Valencian Community (Spain)
- Tuinstra LGMT, Startin JR, Maier EA, Kramer GN// RIKILT, DLO, NL-6700 AE Wageningen, The Netherlands
Fresenius J Anal Chem 1997 **359** (3) 222
- Certification of the contents of five polychlorodibenzo-p-dioxins and six polychlorodibenzo furans in milk powder
- Vanoosthuyle KEI, Arts CJM, Van Peteghem CH// State Univ Ghent, Lab Food Anal, Harelbekestr 72, B-9000 Ghent, Belgium
J Agr Food Chem 1997 **45** (8) 3129
- Development of a fast and simple method for determination of β -agonists in urine by extraction on Empore membranes and detection by a test strip immunoassay

9 TOXINS

- Andreou VG, Nikolelis DP*, Tarus B// *Univ Athens, Analyt Chem Lab, Athens 15771, Greece
Anal Chim Acta 1997 **350** (1-2) 121
- Electrochemical investigation of transduction of interactions of aflatoxin M₁ with bilayer lipid membranes (BLMs)
- Biancardi A// Ist Zootrofilatt Sperimentale, Dipt Chim, Via Bianchi 7, I-25124 Brescia, Italy
Ind Aliment 1997 **36** (361) 870
- Determination of aflatoxin M₁ residues in milk: A comparative assessment of ELISA and IAC-HPLC methods (Italian, English Abstract)
- Fairey ER, Edmunds JSG, Ramsdell JS// NOAA, SE Fisheries Sci Ctr, Marine Biotoxins Program, Charleston, SC 29412, USA
Anal Biochem 1997 **251** (1) 129
- A cell-based assay for brevetoxins, saxitoxins, and ciguatoxins using a stably expressed c-fos-luciferase reporter gene
- Harteveld JLN, Nieuwenhuizen MS, Wils ERJ// TNO Prins Maurits Lab, PO Box 45, NL-2280 AA Rijswijk, The Netherlands
Biosens Bioelectron 1997 **12** (7) 661
- Detection of staphylococcal enterotoxin B employing a piezoelectric crystal immunosensor
- James KJ, Bishop AG, Gillman M, Kelly SS, Roden C, Draisci R, Lucentini L, Giannetti L, Boria P// Cork RTC, Ecotoxicol Res Unit, Dept Chem, Bishopstown, Cork, Rep Ireland
J Chromatogr A 1997 **777** (1) 213
- Liquid chromatography with fluorimetric, mass spectrometric and tandem mass spectrometric detection for the investigation of the seafood-toxin-producing phytoplankton, *Dinophysis acuta*
- Jeoung BJ, Reese G*, Hauck P, Oliver JB, Daul CB, Lehrer SB// *Tulane Univ, Allerg & Clin Immunol Sect, 1700 Perdido St, New Orleans, La 70112, USA
J Allergy Clin Immunol 1997 **100** (2) 229
- Quantification of the major brown shrimp allergen Pen a 1 (tropomyosin) by a monoclonal antibody-based sandwich ELISA
- Jimenez M, Mateo R// Univ Valencia, Dept Microbiol, Dr Moliner 50, E-

- 46100 Burjassot, Spain
J Chromatogr A 1997 **778** (1-2) 363
- Determination of mycotoxins produced by *Fusarium* isolates from banana fruits by capillary gas chromatography and high-performance liquid chromatography
 Jindal N, Mahipal SK// KGK, Dis Invest Lab, Sirsa 125055, India
Indian Vet J 1997 **74** (6) 530
- Estimation of aflatoxins in poultry feed by an ELISA kit
 Meredith F, Bacon C, Norred W, Plattner R// USDA/ARS, Russell Agr Res Ctr, Toxicol & Mycotoxin Res Unit, POB 5677, Athens, Ga 30604, USA
J Agr Food Chem 1997 **45** (8) 3143
- Purification of fumonisin B₂ isolated from rice culture
 Scott PM, Truckless MW// Hlth Canada, Hlth Protect Branch Food Res Div, Sir Frederick G Banting Res Ctr, Ottawa, Ontario, Canada K1A 0L2
J AOAC Int 1997 **80** (5) 941
- Application of immunoaffinity columns to mycotoxin analysis
 Vale SR, Gloria MBA// *Univ Fed Minas Gerais, Dept Alimentos, Avda Olegario Maciel 2360, BR-30180-112 Belo Horizonte, MG, Brazil
J AOAC Int 1997 **80** (5) 1006
- Determination of biogenic amines in cheese
 Vidyasagar T, Vyjayanthi V, Sujatha N, Rao BS*, Bhat RV// *Osmania Univ, Coll Sci, Dept Biochem, Hyderabad 500007, India
J AOAC Int 1997 **80** (5) 1013
- Quantitation of aflatoxin B₁-N⁷-guanine adduct in urine by enzyme-linked immunosorbent assay coupled with immunoaffinity chromatography
- ## 10 ADDITIVES
- Cutting JH, Hurlbut JA, Sofos JN// US/FDA, Denver Dist Lab, POB 25087, Denver, Co 80225, USA
J AOAC Int 1997 **80** (5) 951
- Quantitation of penicillin G in medicated premix feeds by micellar electrokinetic capillary chromatography
 Jamin E, Gonzalez J, Remaud G, Naulet N, Martin GG, Weber D, Rossmann A, Schmidt HL// Eurofins Labs, rue Pierre Adolphe Bobierre, BP 42301, F-44323 Nantes 03, France
Anal Chim Acta 1997 **347** (3) 359
- Improved detection of sugar addition to apple juices and concentrates using internal standard ¹³C IRMS
 Levy LW, Regalado E, Navarrete S, Watkins RH// Ind Extractora CA, POB 17-03-4581, Quito, Ecuador
Analyst 1997 **122** (9) 977
- Bixin and norbixin in human plasma: Determination and study of the absorption of a single dose of annatto food color
 Liu J, Ong CP, Li SFY// *Natl Univ Singapore, Dept Chem, 10 Kent Ridge Crescent, Singapore 119260, Rep Singapore
J Chromatogr Sci 1997 **35** (9) 446
- Subcritical fluid extraction of Stevia sweeteners from *Stevia rebaudiana*
 Maslowska J, Janiak J// Tech Univ Lodz, Inst Gen Food Chem, PL-90924 Lodz, Poland
Deut Lebensm-Rundsch 1997 **93** (7) 224
- Spectrophotometric and polarographic studies on quinoline yellow as a food dye
 Merino L, Edberg U*, Tidriks H// *Natl Food Adm Toxicol Lab, Chem Div II, POB 622, S-75126 Uppsala, Sweden
J AOAC Int 1997 **80** (5) 1044
- Development and validation of a quantitative method for determination of carmine (E120) in foodstuffs by liquid chromatography: NMKL1 collaborative study
 Mizukoshi T, Kohmura M, Suzuki EI*, Ariyoshi Y// *Ajinomoto Co Inc, Cent Res Labs, Kawasaki ku, 1-1 Suzuki cho, Kawasaki, Kanagawa 210, Japan
FEBS Lett 1997 **413** (3) 409
- Structure and dynamic studies NMR of the potent sweet protein monellin and a non-sweet analog: Evidence on the importance of residue Asp(B7) for sweet taste
 Uematsu Y, Hirokado M, Hirata K, Sadamasu Y, Yasuda K, Suzuki S// Tokyo Metropolitan Res Lab Publ Hlth, Shinjuku ku, 3-24-1 Hyakunin cho, Tokyo 169, Japan
J Food Hyg Soc Jpn 1997 **38** (4) 248
- Determination of monoglycerides and propylene glycol esters of fatty acids in food additive preparations by GC without derivatization
 Unterhalt B, Baudner S, Langermann C// Hittorfstr 58-62, D-48149 Munster, Germany
Pharmazie 1997 **52** (8) 641
- Enzyme immunoassay for the determination of the sweetener thaumatin (German, English Abstract)
 Vahjen W, Glaser K, Froeck M, Simon O// Free Univ Berlin, Inst Tierernährung, FB Vet Med, Brummerstr 34, D-14195 Berlin, Germany
Arch Anim Nutr 1997 **50** (4) 331
- Non starch polysaccharide hydrolyzing enzymes as feed additives: Detection of enzyme activities and problems encountered with quantitative determination in complex samples
 Wang YJ, Pan MH, Cheng AL, Lin LI, Ho YS, Hsieh CY, Lin JK// *Natl Taiwan Univ, Coll Med, Inst Biochem, Taipei, Taiwan
J Pharmaceut Biomed Anal 1997 **15** (12) 1867
- Stability of curcumin in buffer solutions and characterization of its degradation products
 Watanabe T, Yamamoto A, Nagai S, Terabe S// Yaegaki Bioind Inc, Yaegaki Technol Dev Labs, 681 Hayashida, Hirone, Hyogo 67942, Japan
Anal Sci 1997 **13** (4) 571
- Separation and determination of *Monascus* yellow pigments for food by micellar electrokinetic chromatography
- ## 11 FLAVOURS & AROMAS
- Angerosa F, Di Giacinto L, D'Alessandro N// Ist Sperimentale Elaiotecn, Contr Fonte Umano, I-65013 Citta S Angelo, Pescara, Italy
J High Res Chromatogr 1997 **20** (9) 507
- Quantitation of some flavor components responsible for the "green" attributes in virgin olive oils
 Bett KL, Dionigi CP// USDA/ARS, Stn Reg Res Ctr, Catfish Relat Current Res Inform Syst Database, New Orleans, La 70179, USA
Food Technol 1997 **51** (8) 70
- Detecting seafood off-flavors: Limitations of sensory evaluation
 Bononi M, Furnagalli V, Cocucci M, Tateo F// Univ Milan, Fac Agr, DIFCA, Milan, Italy
Ind Aliment 1997 **36** (361) 849
- Analytical problems in the identification of volatile compounds characteristic of *Boletus edulis*. I. (Italian, English Abstract)
- Bosset JO, Butikofer U, Gauch R, Sieber R// Eidgenoss Forsch Anstalt Milchwirtschaft, Liebefeld, CH-3003 Bern, Switzerland
Food Sci Technol-Lebensm Wiss 1997 **30** (5) 464
- Ripening of Emmental cheese wrapped in foil with and without addition of *Lactobacillus casei* subsp. *casei*. II. Gas chromatographic investigation of some volatile neutral compounds using dynamic headspace analysis (German, English Abstract)
- Buronfosse A, Selier N// ENSCP, Lab Spectrometrie Masse, 11 rue Pierre & Marie Curie, F-75231 Paris 05, France
Analisis 1997 **25** (6) M31
- Differentiation of stereoisomers of a coriander essential oil by ion-molecule reactions using dimethyl ether as a reagent gas (French)
- Carlson M, Thompson RD// US/FDA, 240 Hennepin Ave, Minneapolis, Mn 55401, USA
J AOAC Int 1997 **80** (5) 1023
- Liquid chromatographic determination of safrole in sassafras-derived herbal products
 Choi MF, Hawkins P// *Univ West England, Fac Appl Sci, Coldharbour Lane, Frenchay, Bristol BS16 1QY, England
Sensor Actuator B-Chem 1997 **39** (1-3) 390
- The development of optical chemical sensors for the detection of volatile compounds from spoiled hams
 Constant M, Collier J// Miller Brewing Co, W159 N10165 Comanche, Germantown, Wi 53022, USA
J Amer Soc Brew Chemist 1997 **55** (3) 112
- Headspace gas chromatography profiles of fruit-flavored malt beverages using solid-phase microextraction
 Dugo P, Mondello L, Lamponica G, Dugo G// *Univ Messina, Dipt Farmacochim, Viale Annunziata, I-98168 Messina, Italy
J Agr Food Chem 1997 **45** (9) 3608
- Characterization of cold-pressed Key and Persian lime oils by gas chromatography, gas chromatography/mass spectroscopy, high-performance liquid chromatography, and physicochemical indices
 Escobal A, Iriondo C*, Laborra C// *Univ Pais Vasco, Dept Quim Organ, Apdo 644-E, E-48080 Bilbao, Spain
J Chromatogr A 1997 **778** (1-2) 225
- Determination of volatile compounds in Txakoli wine from Biscay by gas chromatography/mass spectrometry
 Fellous R, Gavini P// Univ Nice, Lab Chim Aromes, Parc Valrose, F-06108 Nice, France
Analisis 1997 **25** (6) M24
- Global recognition of chromatographic profiles of complex matrices using mass spectrometry: Applications to flavorings and fragrances (French)
- Gautschi M, Schmid JP, Peppard TL*, Ryan TP, Tuorto RM, Yang XG// *Givaudan Roure Flavors, 100 Delawanna Ave, Clifton, NJ 07015, USA
J Agr Food Chem 1997 **45** (8) 3183
- Chemical characterization of diketopiperazines in beer
 Gavara R, Catala R, Hernandez-Munoz P// CSIC, Inst Agroquim & Tecnol Alimentos, AC 73, E-46100 Burjassot, Valencia, Spain
Food Addit Contam 1997 **14** (6-7) 609
- Study of aroma escaping through thermosealable polymers used in food packaging by inverse gas chromatography
 Guth H// Deutscher Forsch Anstalt Lebensmittelchem, Lichtenbergstr 4, D-85748 Garching, Germany
J Agr Food Chem 1997 **45** (8) 3022

- Identification of character impact odorants of different white wine varieties**
Guth H// Address as above.
J Agr Food Chem 1997 **45** (8) 3027
- Quantitation and sensory studies of character impact odorants of different white wine varieties**
Hammami M, Cheraief I, Tarhouni M// Fac Med, Biochim Lab, USR Spectrometrie Masse, Monastir 5019, Tunisia
Analisis 1997 **25** (6) M17
Combined gas chromatography and mass spectrometry in the analysis of the essential oils of rosemary from the northern and southern basin of the Mediterranean (French)
- Hayano K, Mochizuki K// Hokkaido Coll Educ, Chem Lab, Sapporo, Hokkaido 002, Japan
Heterocycles 1997 **45** (8) 1573
First isolation and determination of three humulene triepoxides
- Heilmann P, Heide J, Schoneshofer M// Dept Endocrinol & Metab, Luisenstr 5, Gebaude 8, D-69115 Heidelberg, Germany
Eur J Clin Chem Clin Biochem 1997 **35** (7) 539
Determination of 18 β -glycyrrhetic acid in human serum using the fully automated ALCA-system
- Kjonaas RA, Soller JL, McCoy LA// Indiana State Univ, Dept Chem, Terre Haute, IN 47809, USA
J Chem Educ 1997 **74** (9) 1104
Identification of volatile flavor components by headspace analysis: A quick and easy experiment for introducing GC/MS
- Mateo JJ, Gentilini N, Huerta T, Jimenez M, Di Stefano R// Fac CC Biol, Dept Microbiol, Dr Moliner 50, E-46100 Burjassot, Spain
J Chromatogr A 1997 **778** (1-2) 219
Fractionation of glycoside precursors of aroma in grapes and wine
- Medic-Saric M, Stanic G, Males Z, Saric S// Univ Zagreb, Dept Pharmaceut Chem, Zagreb 10000, Croatia
J Chromatogr A 1997 **776** (2) 355
Application of numerical methods to thin-layer chromatographic investigation of the main components of chamomile (*Chamomilla recutita* (L.) Rauschert) essential oil
- Milo C, Reineccius GA// Nestec Ltd, Vers Chez les Blanc, POB 44, CH-1000 Lausanne 26, Switzerland
J Agr Food Chem 1997 **45** (9) 3590
Identification and quantification of potent odorants in regular fat and low-fat mild cheddar cheese
- Mochizuki EN, Yamamoto T, Horie M, Ikai Y, Nakazawa H// Yamanashi Inst Publ Hlth, 1-7-31 Fujimi, Kofu, Yamanashi 400, Japan
JAOAC Int 1997 **80** (5) 1052
Simultaneous determination of alliin and allicin in *Allium* plants and their products by liquid chromatography
- Philpott J, Taylor DM, Williams DR// Univ Wales Coll Cardiff, Dept Chem, POB 912, Pk Pl, Cardiff CF1 3TB, Wales
J Amer Soc Brew Chemist 1997 **55** (3) 103
Critical assessment of factors affecting the accuracy of the IOB Bitterness Method
- Priser C, Etievant PX, Nicklaus S, Brun O// INRA, Rech Aromes Lab, 17 rue Sully, F-21034 Dijon, France
J Agr Food Chem 1997 **45** (9) 3511
Representative champagne wine extracts for gas chromatography olfactometry analysis
- Richelieu M, Houlberg U, Nielsen JC// *CHR Hansen AS, Res & Dev, Boge Alle 10-12, DK-2970 Horsholm, Denmark
J Dairy Sci 1997 **80** (9) 1918
Determination of α -acetolactic acid and volatile compounds by headspace gas chromatography
- Rychlik M, Warmke R, Grosch W// *Tech Univ Munich, Deutsch Forsch Anstalt Lebensmittelchem, Lichtenbergstr 4, D-85748 Garching, Germany
Food Sci Technol-Lebensm Wiss 1997 **30** (5) 471
Ripening of Emmental cheese wrapped in foil with and without addition of *Lactobacillus casei* subsp. *casei*. III. Analysis of character impact flavour compounds
- Schubring R, Oehlenschläger J// Bundesforschungsanstalt Fischerei, Inst Biochem & Technol, Palmaile 9, D-22767 Hamburg, Germany
Z Lebensm Unters Forsch A-Food 1997 **205** (2) 89
Comparison of the ripening process in salted Baltic and North Sea herring as measured by instrumental and sensory methods
- Shaw PE, Moshonas MG// USDA/ARS, Citrus & Suptrop Prod Lab, 600 Ave S NW, Winter Haven, FL 33883, USA
Food Sci Technol-Lebensm Wiss 1997 **30** (5) 497
Quantification of volatile constituents in orange juice drinks and its use for comparison with pure juices by multivariate analysis
- Shimoda M, Nakada Y, Naskashima M, Osajima Y// Kyushu Univ, Dept Food Sci & Technol, Higashi ku, 6-10-1 Hakozaki, Fukuoka 812, Japan
J Agr Food Chem 1997 **45** (8) 3193
Quantitative comparison of volatile flavor compounds in deep-roasted and light-roasted sesame seed oil
- Sun LX, Danzer K*, Thiel G// *Univ Jena, Inst Inorgan & Analyt Chem, Lessingstr 8, D-07743 Jena, Germany
Fresenius J Anal Chem 1997 **359** (2) 143
Classification of wine samples by means of artificial neural networks and discrimination analytical methods
- Terada H, Miyabe M// Nagoya City Publ Hlth Res Inst, Mizuho ku, 1-11 Hagiya cho, Nagoya, Aichi 467, Japan
J Food Hyg Soc Jpn 1997 **38** (4) 219
Simultaneous determination of hesperidin, naringin and their aglycones in processed foods by fast semi-micro HPLC (Japanese, English Abstract)
- Tuomola M, Harpio R, Knuutila P, Mikola H, Lovgren T// Univ Turku, Dept Biotechnol, FIN-20520 Turku, Finland
J Agr Food Chem 1997 **45** (9) 3529
Time-resolved fluorimmunoassay for the measurement of androstenone in porcine serum and fat samples
- Vivas N, Bourgeois G, De Gaulejac NS, Glories Y// R&D Tonnerrierie Dempots, 351 Cours Liberat, F-33405 Talence, France
Analisis 1997 **25** (6) M19
Flavorings and their precursors in oak for wine barrels (French)
- Zhang HZ, Lee TC// *Rutgers State Univ, Dept Food Sci, POB 231, New Brunswick, NJ 08903, USA
J Agr Food Chem 1997 **45** (8) 3083
A novel silica gel adsorption/near-infrared spectroscopic method for the determination of hexanal as an example of volatile compounds

12 ORGANIC ACIDS

- Janicsak G, Mathe I// Hungarian Acad Sci, Inst Ecol & Bot, Alkotmany u 2, H-2163 Vacrat, Hungary
Chromatographia 1997 **46** (5-6) 322
Parallel determination of rosmarinic and caffeic acids by TLC-densitometry
- Mato I, Huidobro JF*, Sanchez MP, Muniategui S, Fernandez-Muino MA, Sancho MT// *Univ Santiago de Compostela, Area Nutr & Bromatol, E-15706 Santiago de Compostela, Spain
J Agr Food Chem 1997 **45** (9) 3550
Enzymatic determination of total D-glucuronic acid in honey
- Weber D, Robmann A, Schwarz S, Schmidt HL// *Tech Univ Munich, Lehrstuhl Allgemeine Chem & Biochem, D-85350 Freising Weihenstephan, Germany
Z Lebensm Unters Forsch A-Food 1997 **205** (2) 158
Correlations of carbon isotope ratios of wine ingredients for the improved detection of adulterations. I. Organic acids and ethanol
- Yan Z, Zhang XD, Niu WJ// Hangzhou Univ, Dept Chem, Hangzhou 310028, Peoples Rep China
Mikrochim Acta 1997 **127** (3-4) 189
Simultaneous determination of carbohydrates and organic acids in beer and wine by ion chromatography

13 ANIMAL PRODUCTS

- Ansorena D, De Pena MP, Astiasaran I*, Bello J// *Univ Navarra, Dept Bromatol Tecnol Alimentos & Toxicol, E-31080 Pamplona, Spain
Meat Sci 1997 **46** (4) 313
Colour evaluation of chorizo de Pamplona, a Spanish dry fermented sausage: Comparison between the CIE L*a*b* and the Hunter Lab systems with illuminants D65 and C
- Aubourg S, Medina I// CSIC, Inst Invest Marinas, C/ E Cabello 6, E-36208 Vigo, Spain
J Agr Food Chem 1997 **45** (9) 3617
Quality differences assessment in canned sardine (*Sardina pilchardus*) by fluorescence detection
- Beneke B, Hinkerohe T// Staatliches Veterinaruntersuchungsamt, Westerfeldstr 1, D-32758 Detmold, Germany
Arch Lebensmittelhyg 1997 **48** (3) 62
Semi quantitative detection of cow milk casein in sheep's cheese (German, English Abstract)
- Carrera E, Garcia T*, Cespedes A, Gonzalez I, Sanz B, Hernandez PE, Martin R// *Univ Complutense, Dept Nutr & Bromatol 3, E-28040 Madrid, Spain
J Sci Food Agr 1997 **74** (4) 547
Immunostick colorimetric ELISA assay for the identification of smoked salmon, trout and bream
- Chen H, Marks BP// *Univ Arkansas, Dept Biol & Agr Engn, 203 Engn Hall, Fayetteville, Ar 72701, USA
J Food Sci 1997 **62** (4) 753
Evaluating previous thermal treatment of chicken patties by visible/near-infrared spectroscopy
- Goodacre R// Univ Coll Wales, Inst Biol Sci, Aberystwyth SY23 3DA, Wales
Appl Spectrosc 1997 **51** (8) 1144
Use of pyrolysis mass spectrometry with supervised learning for the assessment of the adulteration of milk of different species
- Haza AI, Morales P*, Martin R, Garcia T, Anguita G, Gonzalez I, Sanz B, Hernandez PE// *Univ Complutense Madrid, Dept Nutr & Bromatol 3, E-28040 Madrid, Spain

- J Food Protect* 1997 60 (8) 973
 Use of a monoclonal antibody and two enzyme-linked immunosorbent assay formats for detection and quantification of the substitution of caprine milk for ovine milk
- Jayasundar R, Ayyar S, Raghunathan P// Max Planck Inst Biophys Chem, Biomed NMR Forsch GmbH, D-37070 Gottingen, Germany
Magn Reson Imaging 1997 15 (6) 709
 Proton resonance imaging and relaxation in raw and cooked hen eggs
- Lopez MB, Jordan MJ, Luna A, Banon S, Garrido MD, Laencina JJ// Univ Murcia, Fac Vet, Campus Univ Espinardo, E-30071 Murcia, Spain
Food Sci Technol Int 1997 3 (4) 299
 Diffuse reflectance profiles of goat's milk during coagulation by various enzymes
- Miyazaki H, Abe M, Asanoma M, Nagai Y, Nakajima M, Miyabe M// Nagoya City Publ Hlth Res Inst, Mizuho ku, 1-11 Hagiya cho, Nagoya, Aichi 467, Japan
J Food Hyg Soc Jpn 1997 38 (4) 233
 Simple determination of carbon monoxide in fish meat by GC (Japanese, English Abstract)
- Mora P, Loria LG// Univ Costa Rica, Escuela Fis, Lab Fis Nucl, San Jose, Costa Rica
J Trace Microprobe Tech 1997 15 (3) 307
 Radioactive assessment of fish products marketed by Costa Rica
- Ruggeberg H, Gaede W, Tschirdehn B, Booke A, Muller M// Hanse Analyt GmbH, Fahrenheitstr 1, D-28359 Bremen, Germany
Fleischwirtschaft 1997 77 (8) 732
 Species identification in cooked meat: A comparative study of PCR analysis, DNA probes and isoelectric focussing
- Sanderson R, Lister SJ, Dhanoa MS, Barnes RJ, Thomas C// AFRC Inst Grassland & Environm Res, Aberystwyth SY23 3EB, Wales
Anim Sci 1997 65 (Pt 1) 45
 Use of near infrared reflectance spectroscopy to predict and compare the composition of carcass samples from young steers
- Schlümm E, Lorenzen PC, Martin D, Meisel H, Thormahlen K// Bundesanstalt Milchforsch, Inst Chem & Phys, Postfach 60 69, D-24103 Kiel, Germany
Kiel Milchwirt Forschungsber 1997 49 (2) 135
 Identification of butter types (German, English Abstract)
- Swatland HJ// Univ Guelph, Dept Food Sci, Guelph, Ontario, Canada N1G 2W1
J Sci Food Agr 1997 75 (1) 45
 Relationships between the back-scatter of polarised light and the fibre-optic detection of connective tissue fluorescence in beef
- Udabage P, Sharma R, Murphy D, McKinnon I, Beckett R*// *Monash Univ, Dept Chem, Clayton, Vic 3168, Australia
J Microcolumn Sep 1997 9 (7) 557
 Size distribution of reconstituted skim milk using field-flow fractionation
- 14 PLANT & MICROBIAL PRODUCTS**
- Ahmedna M, Clarke SJ, Rao RM, Marshall WE, Johns MM// Louisiana State Univ, Dept Food Sci, Baton Rouge, La 70803, USA
J Sci Food Agr 1997 75 (1) 109
 Use of filtration and buffers in raw sugar colour measurements
- Bhattacharya S, Sivakumar V, Chakraborty D// Cent Food Technol Res Inst, Mysore 570013, India
J Food Eng 1997 32 (2) 125
 Changes in CIE L*a*b* colour parameters due to extrusion of rice-greengram blend: A response surface approach
- Dalluge JJ, Nelson BC, Thomas JB, Welch MJ, Sander LC// Nat Inst Standards & Technol, Chem Sci & Technol Lab, Gaithersburg, Md 20899, USA
Rapid Commun Mass Spectrom 1997 11 (16) 1753
 Capillary liquid chromatography/electrospray mass spectrometry for the separation and detection of catechins in green tea and human plasma
- Eggins BR, Hickey C, Toft SA, Zhou DM// Univ Ulster, Sch Biol & Chem Sci, Biomed & Environm Sensor Technol (BEST) Ctr, Newtownabbey BT37 1QB, Northern Ireland
Anal Chim Acta 1997 347 (3) 281
 Determination of flavanols in beers with tissue biosensors
- Furui H, Inakuma T, Ishiguro Y, Kiso M// Kagome Co Ltd, Res Inst, 17 Nishitomiyama, Nishinasuno, Tochigi 32927, Japan
Nippon Nogeikagaku Kaishi 1997 71 (8) 777
 Absorptiometric measurement of tomatine in tomatoes (Japanese, English Abstract)
- Fuzzati N, Pace R, Papeo G, Peterlongo F// Indena SpA, Lab Ric & Sviluppo, Via Don Minzoni 6, I-20090 Settala, Milan, Italy
J Chromatogr A 1997 777 (1) 233
 Identification of soyasaponins by liquid chromatography thermospray mass spectrometry
- Hall MB, Lewis BA, Van Soest PJ, Chase LE// Univ Florida, Dept Dairy & Poultry Sci, POB 110920, Gainesville, Fl 32611, USA
J Sci Food Agr 1997 74 (4) 441
 A simple method for estimation of neutral detergent-soluble fibre
- Henderson TA, Wrigley CW*// *CSIRO Plant Ind, Grain Qual Res Lab, POB 7, Nth Ryde, NSW 2113, Australia
Plant Varieties Seeds 1997 10 (2) 113
 Improved identification of oat varieties by acidic electrophoresis in ready-to-use gels
- Hoi LWS// Mauritius Sugar Ind Res Inst, Reduit, Mauritius
Int Sugar J 1997 99 (1185) 435
 Rapid moisture determination using halogen thermogravimetry
- Huhtanen P, Vanhatalo A// Agr Res Ctr, Inst Anim Prod, FIN-31600 Jokioinen, Finland
Brit J Nutr 1997 78 (4) 583
 Ruminal and total plant cell-wall digestibility estimated by a combined *in situ* method utilizing mathematical models
- Johnston TV, Morris JR// Middle Tennessee State Univ, Sch Agribusiness & Agr Sci, POB 5, Murfreesboro, Tn 37132, USA
J Food Sci 1997 62 (4) 684
 HPLC analysis of Cabernet Sauvignon and Noble wine pigment fractions
- Kiehne A, Lakenbrink C, Engelhardt UH*// *Tech Univ Braunschweig, Inst Lebensmittelchem, Spielmannstr 20, D-38106 Braunschweig, Germany
Z Lebensm Unters Forsch A-Food 1997 205 (2) 153
 Analysis of proanthocyanidins in tea samples. I. LC-MS results
- Kraszewski AW, Trabelsi S, Nelson SO// USDA/ARS, Richard B Russell Agr Res Ctr, Athens, Ga 30604, USA
Meas Sci Technol 1997 8 (8) 857
 Moisture content determination in grain by measuring microwave parameters
- Kusama T, Abe H, Kawano S, Iwamoto M// Natl Food Res Inst, 2-1-2 Kannondai, Tsukuba, Ibaraki 305, Japan
J Jpn Soc Food Sci Technol 1997 44 (8) 569
 Classification of normal and aged soybean seeds by discriminant analysis using principal component scores of near infrared spectra (Japanese, English Abstract)
- Mizrahi A, Flitsanov U, Fuchs Y// Agr Res Org, Volcani Ctr, Inst Agr Engn, POB 6, IL-50250 Bet Dagan, Israel
Trans ASAE 1997 40 (4) 1107
 An ultrasonic nondestructive method for measuring maturity of mango fruit
- Pazdernik DL, Killam AS, Orf JH*// *Univ Minnesota, Dept Agron & Plant Genet, 411 Borlaug Hall, St Paul, Mn 55108, USA
Agron J 1997 89 (4) 679
 Analysis of amino and fatty acid composition in soybean seed, using near infrared reflectance spectroscopy
- Raffaelli A, Moneti G, Mercati V, Toja E// Univ Pisa, Ctr Studio Macromol Stereordin & Otticamen Attive, Dipt Chim & Chim Ind, CNR, I-56126 Pisa, Italy
J Chromatogr A 1997 777 (1) 223
 Mass spectrometric characterization of flavonoids in extracts from *Passiflora incarnata*
- Reeves JB, Francis BA// USDA/ARS, BARC, Beltsville, Md 20705, USA
J Anal Appl Pyrol 1997 40-1 243
 Pyrolysis gas chromatography/mass spectrometry for the analysis of forages and by-products
- Robards K, Li X, Antolovich M, Boyd S// Charles Sturt Univ, Sch Sci & Technol, POB 588, Wagga Wagga, NSW 2678, Australia
J Sci Food Agr 1997 75 (1) 87
 Characterisation of citrus by chromatographic analysis of flavonoids
- Shakir S, Begum A, Ali A, Jamil K, Qadri RB// Pakistan Council Sci & Ind Res, Labs Complex, Karachi, Pakistan
J Chem Soc Pakistan 1997 19 (1) 34
 Studies on the chemical constituents of different varieties of black tea
- Temple CM, Clifford MN*// *Univ Surrey, Food Safety Res Grp, Guildford GU2 5XH, England
J Sci Food Agr 1997 74 (4) 536
 The stability of theaflavins during HPLC analysis of a decaffeinated aqueous tea extract
- Vogt C, Conradi S, Rohde E// Univ Leipzig, Inst Analyt Chem, Linnestr 3, D-04103 Leipzig, Germany
J Chem Educ 1997 74 (9) 1126
 Determination of caffeine and other purine compounds in food and pharmaceuticals by micellar electrokinetic chromatography
- Windham WR, Lyon BG, Champagne ET, Barton FE, Webb BD, McClung AM, Moldenhauer KA, Linscombe S, McKenzie KS// USDA/ARS, Richard B Russell Agr Res Ctr, POB 5677, Athens, Ga 30613, USA
Cereal Chem 1997 74 (5) 626
 Prediction of cooked rice texture quality using near-infrared reflectance analysis of whole-grain milled samples
- Yang MJ, Orton ML, Pawliszyn J*// *Univ Waterloo, Guelph Waterloo Ctr Grad Work Chem, Waterloo, Ontario, Canada N2L 3G1
J Chem Educ 1997 74 (9) 1130
 Quantitative determination of caffeine in beverages using a combined SPME-GC/MS method
- Zolotov YA// Address not available.
J Anal Chem-Engl Tr 1997 52 (8) 711
 Chemical analysis of alcoholic beverages