

# Bibliography of analytical, nutritional and clinical methods

(Three weeks journals - Search completed at 14th Aug 1996)

## 1 BOOKS, REVIEWS & SYMPOSIA

Mader P, Szakova J, Curdova E// Czech Univ Agr, Fac Agron, CR-16521 Prague 6, Czech Republic  
*Talanta* 1996 **43** (4) 521

Combination of classical dry ashing with stripping voltammetry in trace element analysis of biological materials: Review of literature published after 1978

Mondello L, Dugo G, Bartle KD// Univ Messina, Dipt Farmacochim, Messina, Italy

*J Microcolumn Sep* 1996 **8** (4) 275

On-line microbore high-performance liquid chromatography/capillary gas chromatography for food and water analyses. A review

Sporns P, Abell DC// Univ Alberta, Dept Agr Food & Nutr Sci, Edmonton, Alberta, Canada T6G 2P5

*Trends Food Sci Technol* 1996 **7** (6) 187

MALDI mass spectrometry for food analysis (Review)

## 2 GENERAL

Belton PS, Delgadillo I, Holmes E, Nicholls A, Nicholson JK, Spraul M// Norwich Lab, Food Res Inst, Norwich Res Pk, Norwich NR2 7UA, England  
*J Agr Food Chem* 1996 **44** (6) 1483

Use of high-field <sup>1</sup>H NMR spectroscopy for the analysis of liquid foods

Brera C, Miraglia M// Ist Super Sanita, Viale Regina Elena 299, I-00161 Rome, Italy

*Mikrochim Acta* 1996 **123** (1-4) 39

Proficiency testing programmes as a tool in food quality assurance: Overview of Italian experiences

Hinz T, Menke E, Eggers R, Knochel R// Tech Univ Hamburg, Arbeitsbereich Verfahrenstech 2, Arbeitsgrp Warne & Stofftransport, D-21071 Hamburg, Germany

*Food Sci Technol-Lebensm Wiss* 1996 **29** (4) 316

Development of a microwave moisture sensor for application in the food industry

Miraglia M, Brera C// Ist Super Sanita, Viale Regina Elena 299, I-00161 Rome, Italy

*Mikrochim Acta* 1996 **123** (1-4) 33

The role of reference materials in food analysis

## 3 AMINO ACIDS, PROTEINS & ENZYMES

Heinisch O, Kowalski E, Ludwig H, Tauscher B// \*Fed Res Ctr Nutr, Inst Chem & Biol, Engesserstr 20, D-76131 Karlsruhe, Germany

*Fett-Lipid* 1996 **98** (5) 183

Staining for soybean lipoxigenase activity in electrophoretic gels

Ishikawa K, Ota M, Ariyoshi Y, Sasaki H, Tanokura M, Ding M, Caldwell J, Abildgaard F// Ajinomoto Co Inc, Cent Res Labs, Kawasaki ku, Suzuki cho, Kawasaki, Kanagawa 210, Japan

*Acta Crystallogr D-Biol Cryst* 1996 **52** (3) 577

Crystallization and preliminary X-ray analysis of brazzein, a new sweet protein

Jin YK, Park YW// Texas A&M Univ Syst, Prairie View A&M Univ, Cooperat Agr Res Ctr, POB 4079, Prairie View, Tx 77446, USA

*J Food Sci* 1996 **61** (3) 490

SDS-PAGE of proteins in goat milk cheeses ripened under different conditions

Lovegrove JA, Isherwood SG, Jackson KG, Williams CM, Gould BJ// \*Univ Surrey, Ctr Nutr & Food Safety, Guildford GU2 5XH, Surrey, England  
*BBA-Lipid Lipid Metab* 1996 **1301** (3) 221

Quantitation of apolipoprotein B-48 in triacylglycerol-rich lipoproteins by a specific enzyme-linked immunosorbent assay

Mayer HK// Agr Univ Vienna, Dept Dairy Res & Bacteriol, Gregor Mendel Str 33, A-1180 Vienna, Austria

*Z Lebensmittel-Untersuch Fors* 1996 **202** (6) 465

Electrophoretic ripening index for the evaluation of proteolysis and the deduction of the age of Parmesan cheese

Outinen M, Tossavainen O, Syvaaja EL// Valio Ltd, Ctr Res & Dev, POB 390, FIN-00100 Helsinki, Finland

*Food Sci Technol-Lebensm Wiss* 1996 **29** (4) 340

Chromatographic fractionation of  $\alpha$ -lactalbumin and  $\beta$ -lactoglobulin with polystyrenic strongly basic anion exchange resins

Wang RH, Cai QU, Nie L.H, Yao SZ// \*Hunan Univ, Dept Chem & Chem Engr, Changsha 410082, Peoples Rep China

*Anal Sci* 1996 **12** (3) 449

Assay of NAD<sup>+</sup>-isocitrate dehydrogenase in extracts of bread yeast with a surface acoustic wave impedance sensor

Watanabe M, Tokuyasu K, Sato A// Tohoku Natl Agr Exptl Stn, Morioka, Iwate 02001, Japan

*Breeding Sci* 1996 **46** (2) 103

Analysis of the HMW glutenin subunits in immature seeds for selection of bread-making lines in wheat (*Triticum aestivum* L)

## 4 CARBOHYDRATES

Douzals JP, Marechal PA, Coquille JC, Gervais P// \*ENSBANA, Lab Genie Procedes Aliment & Biotech, 1 Esplanade Erasme, F-21000 Dijon, France  
*J Agr Food Chem* 1996 **44** (6) 1403

Microscopic study of starch gelatinization under high hydrostatic pressure

Griffith J, Rosenberg RJ, Diaz-Rizo O, Gonzalez E// Tech Res Ctr Finland, FIN-02044 Espoo, Finland

*J Radioanal Nucl Chem Lett* 1996 **213** (1) 71

Neutron activation analysis of final molasses from Cuban sugar industry

Johansen HN, Glitso V, Knudsen KEB// Danish Inst Anim Sci, Dept Nutr, Res Ctr Foulum, POB 39, DK-8830 Tjele, Denmark

*J Agr Food Chem* 1996 **44** (6) 1470

Influence of extraction solvent and temperature on the quantitative determination of oligosaccharides from plant materials by high-performance liquid chromatography

Karalemas ID, Papastathopoulos DS// \*Univ Athens, Dept Chem, GR-15771 Athens, Greece

*Anal Lett* 1996 **29** (8) 1293

Computerized enzymatic kinetic method for glucose determination in foodstuff using immobilized glucose oxidase in gel beads

Nakano T, Sunwoo HH, Li XJ, Price MA, Sim JS// \*Univ Alberta, Dept Agr Food & Nutr Sci, Edmonton, Alberta, Canada T6G 2P5

*J Agr Food Chem* 1996 **44** (6) 1424

Study of sulfated glycosaminoglycans from porcine skeletal muscle epimysium including analysis of iduronosyl and glucuronosyl residues in galactosaminoglycan fractions

Uggla R, Sundberg MR, Nevalainen V// \*Univ Helsinki, Inorgan Chem Lab, POB 55, FIN-00014 Helsinki, Finland

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.

*Tetrahedron-Asymmetry* 1996 7 (6) 1741

Boronic acids as molecular sensors. NBO analysis and <sup>13</sup>C chemical shifts as tools for evaluation of DFT geometry optimization of complexes of diphenylmethane 3,3'-diboronic acids and glucose

Zeng W, Zhang H, Lee TC\*// \*Rutgers State Univ, Cook Coll, Dept Food Sci, Ctr Adv Food Technol, POB 231, New Brunswick, NJ 08903, USA

*J Agr Food Chem* 1996 44 (6) 1460

Direct determination of the starch content in gravy by near-infrared spectroscopy

## 5 LIPIDS

Agullo E, Gelos BS// Univ Nacl Sur, Dept Chem & Chem Technol, Avda Alem 1253, RA-8000 Bahia Blanca, Argentina

*Food Res Int* 1996 29 (1) 77

Gas-liquid chromatographic determination of total and free cholesterol in egg pastas

Angerosa F, D'Alessandro N\*, Corana F, Mellerio G// \*Ist Sperimentale Elaio-tecn, Contr Fonte Umato, I-65013 Citta S Angelo, Pescara, Italy

*J Chromatogr A* 1996 736 (1-2) 195

Characterization of phenolic and secoiridoid aglycons present in virgin olive oil by gas chromatography/chemical ionization mass spectrometry

Anklam E, Simoneau C// Commiss European Union, Joint Res Ctr, Inst Environm, Food & Drug Anal Consumer Protect Unit, I-21020 Ispra, Italy

*Food Control* 1996 7 (2) 107

Task force meeting on the analysis of vegetable fats in chocolate

Christensen TC, Holmer G// Tech Univ Denmark, Dept Biochem & Nutr, Bldg 224, DK-2800 Lyngby, Denmark

*J Food Sci* 1996 61 (3) 486

Lipid oxidation determination in butter and dairy spreads by HPLC

Gamoh K, Prescott MC, Goad LJ, Takatsuto S// Kochi Univ, Fac Educ, 2 Akebono cho, Kochi 780, Japan

*Bunseki Kagaku* 1996 45 (6) 523

Analysis of brassinosteroids by liquid chromatography/mass spectrometry (Japanese, English Abstract)

Gan ZL, Schofield JD\*// \*Univ Reading, Dept Food Sci & Technol, POB 226, Reading RG6 6AP, England

*J Agr Food Chem* 1996 44 (6) 1609

Production and characterization of monoclonal antibodies against wheat flour diacylgalactosylglycerols

Johnson CB// Hort & Food Res Inst New Zealand Ltd, Private Bag 11030, Palmerston North, New Zealand

*J Chromatogr A* 1996 736 (1-2) 205

Isolation of cholesterol oxidation products from animal fat using aminopropyl solid-phase extraction

Lowthian P, Thompson M, Wood R// Univ London, Birkbeck Coll, Dept Chem, 29 Gordon Sq, London WC1H 0PP, England

*Analyst* 1996 121 (7) 977

Use of proficiency tests to assess the comparative performance of analytical methods: The determination of fat in foodstuffs

Makinen M, Piironen V, Hopia A// Univ Helsinki, Dept Appl Chem & Microbiol, POB 27, FIN-00014 Helsinki, Finland

*J Chromatogr A* 1996 734 (2) 221

Postcolumn chemiluminescence, ultraviolet and evaporative light-scattering detectors in high-performance liquid chromatographic determination of triacylglycerol oxidation

Stoll U// Hannover Med Sch, Inst Physiol Chem, Konstanty Gutschow Str 8, Postfach 610180, D-30625 Hannover, Germany

*Fett-Lipid* 1996 98 (5) 178

Identification of molecular species of phospholipids from pig heart by combining chromatographic techniques

Sun XZ, Moreira RG// Kansas State Univ, Dept Grain Sci, Manhattan, Ks 66506, USA

*J Food Process Preserv* 1996 20 (2) 157

Correlation between NMR proton relaxation time and free fatty acids and total polar materials of degraded soybean oils

Velasco L, Fernandez-Martinez J, De Haro A// CSIC, Inst Agr Sostenible, Apdo 4084, E-14080 Cordoba, Spain

*Crop Sci* 1996 36 (4) 1068

Screening Ethiopian mustard for erucic acid by near infrared reflectance spectroscopy

## 6 VITAMINS & CO-FACTORS

Arens M, Gertz C// Krusbrede 34, D-48157 Munster, Germany

*Fett-Lipid* 1996 98 (5) 185

Content analysis of standard vitamin A substances: German methods for analysis of fats, fat products, surfactants and related substances. CXXIV. Analysis of fat additives. XII. (German, English Abstract)

Blanco D, Llaneza MB, Gutierrez MD// Univ Oviedo, Dept Quim Fis & Analit, E-33007 Oviedo, Spain

*J Liq Chromatogr Relat Technol* 1996 19 (13) 2155

A paired ion liquid chromatographic method for thiamine determination in selected foods

Deal ST, Pope SR// Georgia Sthn Univ, Statesboro, Ga 30460, USA

*J Chem Educ* 1996 73 (6) 547

Improved end point detection in the redox titration of vitamin C in green peppers

Henderleiter JA, Hyslop RM// Univ Nthn Colorado, Greeley, Co 80639, USA

*J Chem Educ* 1996 73 (6) 563

The analysis of riboflavin in urine using fluorescence

Hewavitharana AK, Van Brakel AS, Harnett M// New Zealand Dairy Res Inst, Private Bag 11029, Palmerston North, New Zealand

*Int Dairy J* 1996 6 (6) 613

Simultaneous liquid chromatographic determination of vitamins A, E and  $\beta$ -carotene in common dairy foods

Lowry JP, Boutelle MG, O'Neill RD, Fillenz M// Univ Oxford, Physiol Lab, Sth Parks Rd, Oxford OX1 3PT, England

*Analyst* 1996 121 (6) 761

Characterization of carbon paste electrodes *in vitro* for simultaneous amperometric measurement of changes in oxygen and ascorbic acid concentrations *in vivo*

Lunsford SK, Striley CA, Ma YL, Zimmer H, Kreishman G, Mark HB\*// \*Univ Cincinnati, Dept Chem, Cincinnati, Oh 45221, USA

*Anal Lett* 1996 29 (8) 1309

NMR studies of the interaction of catechol and ascorbic acid with the crown ether

Matsuzaki K, Mizooku Y, Suzuki T, Kimura K// Sumika Chem Anal Serv Ltd, 3-1-135 Kasugade Naka, Osaka 554, Japan

*Bunseki Kagaku* 1996 45 (6) 537

Quantitative determination of 26,26,26,27,27,27-hexafluoro-dihydroxy-vitamin D<sub>3</sub> in human serum by liquid chromatography/tandem mass spectrometry (Japanese, English Abstract)

Noll GN, Kalinowski HO// Univ Giessen, Inst Physiol, Aulweg 129, D-35392 Giessen, Germany

*Vision Res* 1996 36 (13) 1887

Identification of retinol isomers by high-performance liquid chromatography not unequivocal up to now (Letter)

Okuma H, Takahashi H, Yazawa S, Horike S, Akahoshi R// New Japan Radio Co Ltd, Microwave Heating Equipment Dept, 2-1-1 Fukuoka, Kamifukuoka, Saitama 356, Japan

*J Jpn Soc Food Sci Technol* 1996 43 (6) 668

Determination of L-ascorbic acid in green tea with an enzyme reactor electrode system (Japanese, English Abstract)

Tessier F, Birlouez-Aragon I\*, Tjani C, Guillard JC// \*Inst Natl Agron Paris Grignon, Lab Chim Analyt, 16 rue Claude Bernard, F-75005 Paris, France

*Int J Vitam Nutr Res* 1996 66 (2) 166

Validation of a micromethod for determining oxidized and reduced vitamin C in plasma by HPLC fluorescence

Vahteristo L, Ollilainen V, Varo P// Helsinki Univ, Dept Appl Chem & Microbiol, POB 27, Viikki, FIN-00014 Helsinki, Finland

*J Food Sci* 1996 61 (3) 524

HPLC determination of folate in liver and liver products

Vinas P, Campillo N, Lopez-Garcia I, Hernandez-Cordoba M\*// \*Univ Murcia, Dept Analyt Chem, E-30071 Murcia, Spain

*Chromatographia* 1996 42 (9-10) 566

Identification of vitamin B<sub>12</sub> analogues by liquid chromatography with electrothermal atomic absorption detection

## 7 TRACE ELEMENTS & MINERALS

Baluja C, Lopez A, Basadre MI, Gonzalez A// Univ Santiago de Compostela, Dept Analyt Chem Nutr & Bromatol, E-15706 Santiago de Compostela, Spain

- Fresenius *J Anal Chem* 1996 **355** (3-4) 240  
Determination of lithium in alcoholic beverages by inductively coupled plasma atomic emission spectrometry (ICP/AES)
- Belarra MA, Martinez-Garbayo MP, Anzano JM, Castillo JR// Univ Zaragoza, Dept Analyt Chem, E-50009 Zaragoza, Spain  
*Anal Sci* 1996 **12** (3) 483  
Graphite-furnace atomic absorption spectrometric method for direct determination of iron and zinc in solid rice samples
- Borella P, Rovesti S, Caselgrandi E, Bargellini A// Univ Modena, Dept Biomed Sci, Sect Hyg & Microbiol, Via G Campi 287, I-41100 Modena, Italy  
*Mikrochim Acta* 1996 **123** (1-4) 271  
Quality control in hair analysis: A systematic study on washing procedures for trace element determinations
- Dermelj M, Stibilj V, Byrne AR, Benedik L, Slejkovec Z, Jacimovic R// Jozef Stefan Inst, Jamova 39, SL-1000 Ljubljana, Slovenia  
*Z Lebensmittel-Untersuch Fors* 1996 **202** (6) 447  
Applicability of neutron activation analysis (NAA) in quantitative determination of some essential and toxic trace elements in food articles
- Diaz-Alarcon JP, Navarro-Alarcon M\*, De la Serrana HLG, Lopez-Martinez MC// \*Univ Granada, Dept Nutr & Bromatol, E-18071 Granada, Spain  
*J Agr Food Chem* 1996 **44** (6) 1494  
Determination of selenium in meat products by hydride generation atomic absorption spectrometry-selenium levels in meat, organ meats, and sausages in Spain
- Doku GN, Gadzekpo VPY\*// \*Univ Cape Coast, Dept Chem, Cape Coast, Ghana  
*Talanta* 1996 **43** (5) 735  
Simultaneous determination of lithium, sodium and potassium in blood serum by flame photometric flow-injection analysis
- Foster LH, Sumar S\*// \*Sth Bank Univ, Food Res Ctr, London SE1 0AA, England  
*Nahrung* 1996 **40** (3) 154  
A rapid microwave-based digestion method for the determination of selenium in infant formulae by means of hydride generation atomic absorption spectrometry (HGAAS)
- Fujimori E, Sawatari H, Chiba K, Haraguchi H\*// \*Nagoya Univ, Dept Appl Chem, Chikusa ku, Nagoya, Aichi 46401, Japan  
*Anal Sci* 1996 **12** (3) 465  
Determination of minor and trace elements in urine reference sample by a combined system of inductively coupled plasma mass spectrometry and inductively coupled plasma atomic emission spectrometry
- Gao ZQ, Siow KS// Natl Univ Singapore, Dept Chem, Kent Ridge, Singapore 0511, Rep Singapore  
*Talanta* 1996 **43** (5) 719  
Catalytic-adsorptive stripping voltammetric determination of molybdenum in plant foodstuffs
- Girard L, Hubert J// Univ Moncton, Dept Chem & Biochim, Moncton, New Brunswick, Canada E1A 3E9  
*Can J Appl Spectrosc* 1996 **41** (2) 32  
Determination of magnesium in human serum by isotope dilution fast atom bombardment mass spectrometry (FAB-MS)
- Hao DQ, Xie GH, Zhang YM, Tian GJ// Inst Occupat Dis, Xinxiang 453003, Henan, Peoples Rep China  
*Talanta* 1996 **43** (4) 595  
Determination of serum selenium by hydride generation flame atomic absorption spectrometry
- Jamoussi B, Zafaouf M, Ben Hassine B\*// \*Dept Anal Chim, Lab Cent Anal & Essais, 23 rue Jawaher Lei Nehru, Montfleury 1008, Tunisia  
*Int J Environ Anal Chem* 1995 **61** (3) 249  
Hydride generation/condensation system: With an inductively coupled argon plasma polychromator for simultaneous determination of arsenic, antimony, selenium, lead, mercury and tin in honey
- Kristiansen J, Christensen JM, Nielsen JL// Natl Inst Occupat Hlth, 105 Lerso Parkalle, DK-2100 Copenhagen, Denmark  
*Mikrochim Acta* 1996 **123** (1-4) 241  
Uncertainty of atomic absorption spectrometry: Application to the determination of lead in blood
- Matsumoto T, Fukaya M, Kanegae Y, Akita S, Kawamura Y, Ito Y// Nakano Vinegar Co Ltd, Nakano Res Inst, 2-6 Nakamura cho, Handa, Aichi 475, Japan  
*J Jpn Soc Food Sci Technol* 1996 **43** (6) 716  
Comparison of the microbial biosensor method with the modified Rankine's method for determination of sulfite in fresh and dried vegetables including sulfur compounds (Japanese, English Abstract)
- Matsumoto T, Fukaya M, Akita S, Kawamura Y, Ito Y// Address as above.  
*J Jpn Soc Food Sci Technol* 1996 **43** (6) 731  
Determination of sulfite in various foods by the microbial biosensor method (Japanese, English Abstract)
- Menditto A, Patriarca M, Chiodo F, Morisi G\*// \*Ist Super Sanita, Viale Regina Elena 299, I-00161 Rome, Italy  
*Mikrochim Acta* 1996 **123** (1-4) 291  
Blood lead and cadmium determination: Results of the Italian external quality assessment scheme
- Morisi G, Patriarca M, Chiodo F, Minoprio A, Menditto A// Ist Super Sanita, Viale Regina Elena 299, I-00161 Rome, Italy  
*Mikrochim Acta* 1996 **123** (1-4) 281  
Blood lead monitoring in Italy: Assessment of the quality of results obtained between 1992 and 1994
- Quijano MA, Gutierrez AM, Perez-Conde MC, Camara C// Univ Complutense Madrid, Dept Quim Anal, E-28040 Madrid, Spain  
*J Anal Atom Spectrom* 1996 **11** (6) 407  
Determination of selenocystine, selenomethionine, selenite and selenate by high-performance liquid chromatography coupled to inductively coupled plasma mass spectrometry
- Salvato N, Pirola C// Plasmon Dietetici Alimentari, Via Cadolini 26, I-20137 Milan, Italy  
*Mikrochim Acta* 1996 **123** (1-4) 63  
Analysis of mercury traces by means of solid sample atomic absorption spectrometry
- Schoppenthan J, Nolte J, Dunemann L\*// \*Univ Dusseldorf, Med Inst UmweltHyg, Dept Analyt Chem, Auf Hennekamp 50, D-40225 Dusseldorf, Germany  
*Analyst* 1996 **121** (6) 845  
High-performance liquid chromatography coupled with array inductively coupled plasma optical emission spectrometry for the separation and simultaneous detection of metal and non-metal species in soybean flour
- Stibilj V, Dermelj M, Byrne AR// Jozef Stefan Inst, POB 100, Ljubljana 61111, Slovenia  
*Mikrochim Acta* 1996 **123** (1-4) 311  
Determination of selenium in biological materials by means of RNAA and comparison of spectrophotometric and <sup>81m</sup>Se radiotracer recovery
- Tanaka T, Oshima H, Aoki Y, Sasaki M, Hayakawa J, Nakazawa H, Saito Y// Nara Prefectural Inst Publ Hlth, 57-6 Omori cho, Nara 630, Japan  
*J Food Hyg Soc Jpn* 1996 **37** (3) 142  
Simple and rapid determination of arsenic, lead, cadmium and tin in soft drinks by electrothermal atomic absorption spectrometry
- Taylor A// Univ Surrey, Robens Inst, Trace Element Lab, Guildford GU2 5XH, Surrey, England  
*Mikrochim Acta* 1996 **123** (1-4) 251  
Reference materials and analytical standards to stimulate improved laboratory performance: Experience from the external quality assessment scheme for trace elements in biological samples
- Vaidya OC, Rantala RTT// Dept Environm Atlantic Reg, Environm Qual Labs, 45 Alderney Dr, Dartmouth, Nova Scotia, Canada B2Y 2N6  
*Int J Environ Anal Chem* 1996 **63** (3) 179  
A comparative study of analytical methods: Determination of heavy metals in mussels (*Mytilus edulis*) from eastern Canada
- Werner S, Goldstein SL, Georgieff M// Max Planck Inst Chem, Otto Hahn Inst, Postfach 3060, D-55020 Mainz, Germany  
*Analyst* 1996 **121** (7) 901  
Determination of isotope enrichments of magnesium in microwave-digested biological samples by thermal ionization mass spectrometry using a direct loading technique

## 8 DRUG, BIOCIDES & PROCESSING RESIDUES

- Diaz AMC, Lorenzo-Ferreira RA, Cela-Torrijos R// Univ Santiago de Compostela, Dept Analyt Chem Nutr & Bromatol, E-15706 Santiago de Compostela, Spain  
*Mikrochim Acta* 1996 **123** (1-4) 73  
Validation and quality control of methylmercury determinations by means of capillary electrophoresis
- Farag SEDA// Natl Ctr Radiat Res & Technol, POB 29, Cairo, Egypt  
*Z Lebensmittel-Untersuch Fors* 1996 **202** (6) 451  
Detection of irradiated fruits by gas chromatographic methods
- Gardner IA, Cullor JS, Galey FD, Sischo W, Salman M, Slenning B, Erb HN,

Tyler JW// Univ Calif Davis, Dept Med, Davis, Ca 95616, USA

*J Amer Vet Med Assn* 1996 **209** (1) 46

Alternatives for validation of diagnostic assays used to detect antibiotic residues in milk

Gorna-Binkul A, Keymeulen R, Van Langenhove H, Buszewski B\*// \*Nicholas Copernicus Univ, Dept Environm Chem, 7 Gagarin St, PL-87100 Torun, Poland

*J Chromatogr A* 1996 **734** (2) 297

Determination of monocyclic aromatic hydrocarbons in fruit and vegetables by gas chromatography/mass spectrometry

Huyghues-Despointes A, Yaylayan VA\*// \*McGill Univ, Dept Food Sci & Agr Chem, 21111 Lakeshore, St Anne de Bellevue, Quebec, Canada H9X 3V9

*J Agr Food Chem* 1996 **44** (6) 1464

Kinetic analysis of formation and degradation of 1-morpholino-1-deoxy-D-fructose

Lancas FM, Barbirato MA, Galhiane MS, Rissato SR// Univ Sao Paulo, Inst Chem Sao Carlos, POB 780, BR-13560-970 Sao Carlos, SP, Brazil

*Chromatographia* 1996 **42** (9-10) 547

Supercritical fluid extraction of chlorothalonil residues from apples

Mikac N, Wang Y, Harrison RM// Rudjer Boskovic Inst, Ctr Marine Res Zagreb, Zagreb 10000, Croatia

*Anal Chim Acta* 1996 **326** (1-3) 57

Intercomparison of alkyllead compound determination in mussels and water by two analytical techniques: Gas chromatography/atomic absorption spectrometry and differential pulse anodic stripping voltammetry

Miyata M, Hirahara Y, Narita M, Kimura M, Watanabe Y, Ito S, Takeda H, Kobayashi A, Tonogai Y, Nakamura Y *et al*// Ctr Inspect Imported Foods & Infect Dis, Kobe Quarantine Stn, Hyogo ku, 1-1 Toyahama cho, Kobe 652, Japan

*J Food Hyg Soc Jpn* 1996 **37** (3) 158

Comparison for the simultaneous determination of pesticides residues in foods by GC and GC/MS

Monteiro M, Nerin C\*, Reyes FGR// \*CPS Univ Zaragoza, Dept Quim Analit, M Luna 3, E-50015 Zaragoza, Spain

*Food Addit Contam* 1996 **13** (5) 575

Determination of UV stabilizers in PET bottles by high performance-size exclusion chromatography

Oboegbulem SI, Fidelis AP// Univ Nigeria, Dept Vet Pathol & Microbiol, Nsukka, Nigeria

*Meat Sci* 1996 **43** (1) 71

Detection of antimicrobial residues in poultry meat and slaughter cattle in Nigeria

Steet JA, Tong CH\*// \*Rutgers State Univ, Cook Coll, Dept Food Sci, POB 231, New Brunswick, NJ 08903, USA

*J Agr Food Chem* 1996 **44** (6) 1531

Quantification of color change resulting from pheophytinization and nonenzymatic browning reactions in thermally processed green peas

Turrio-Baldassarri L, Di Domenico A, Fulgenzi A, La Rocca C, Iacovella N, Rodriguez F, Volpi F// Ist Super Sanita, Comparat Toxicol & Ecotoxicol Lab, Viale Regina Elena 299, I-00161 Rome, Italy

*Mikrochim Acta* 1996 **123** (1-4) 45

Influence of relative response factor in the determination of organic microcontaminants with isotopically labeled standards

Wittmann C, Bilitewski U, Giersch T, Kettling U, Schmid RD// Fachhsch Neubrandenburg, Studiengang Lebensmitteltechnol, Postfach 1902, D-17009 Neubrandenburg, Germany

*Analyst* 1996 **121** (6) 863

Development and evaluation of a dipstick immunoassay format for the determination of atrazine residues on-site

Zeng SS, Escobar EN, Brown-Crowder I// Langston Univ, Agr Res Program, POB 730, Langston, Ok 73050, USA

*Small Ruminant Res* 1996 **21** (2) 155

Evaluation of screening tests for detection of antibiotic residues in goat milk

## 9 TOXINS

Abramson D, Clear RM// Agr & Agri-Food Canada, Winnipeg Res Ctr, Winnipeg, Manitoba, Canada R3T 2M9

*J Food Protect* 1996 **59** (6) 642

A convenient method for assessing mycotoxin production in cultures of *Aspergilli* and *penicillia*

Ayet G, Muzquiz M\*, Burbano C, Robredo LM, Cuadrado C, Price KR// \*Inst

Nacl Invest Agr, SGIT, Area Tecnol Aliment, Apdo 8111, E-28080 Madrid, Spain

*Food Sci Technol Int* 1996 **2** (2) 95

Determination of saponins in the main legumes cultivated in Spain (Spanish, English Abstract)

Fernandes JR, Neto GD, Tubino M, Kubota LT// UNICAMP, Inst Quim, POB 6154, BR-13083-970 Campinas, SP, Brazil

*Anal Sci* 1996 **12** (3) 443

Determination of oxalate in grass by FIA with a spectrophotometric detection system using a two enzyme reactor

Jackson GJ, Wachsmuth IK// US/FDA, Off Special Res Skills HFS500, 200 C St SW, Washington, DC 20204, USA

*Food Control* 1996 **7** (1) 37

The US Food and Drug Administration's selection and validation of tests for foodborne microbes and microbial toxins

Liu ZL, Blaschek HP\*// \*Univ Illinois, Dept Food Sci & Human Nutr, 580 Bevier Hall, 905 Sth Goodwin Ave, Urbana, Il 61801, USA

*J Food Protect* 1996 **59** (6) 621

Monoclonal antibody-based ELISA for detection of *Clostridium perfringens*  $\alpha$ -toxin

Park CE, Warburton D, Laffey PJ// Hlth Canada, Hlth Protect Branch, Food Directorate, Bur Microbial Hazards, Ottawa, Ontario, Canada K1A 0L2

*Int J Food Microbiol* 1996 **29** (2-3) 281

A collaborative study on the detection of staphylococcal enterotoxins in foods by an enzyme immunoassay kit (RIDASCREEN®)

Sutikno, Abouzieed MM, Azcona-Olivera JI, Hart LP, Pestka JJ\*// \*Michigan State Univ, Dept Food Sci & Human Nutr, East Lansing, Mi 48824, USA

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