

# Bibliography of analytical, nutritional and clinical methods

(Three weeks journals - Search completed at 3rd Jan 1996)

## 1 BOOKS, REVIEWS & SYMPOSIA

- Alur MD, Doke SN, Warriar SB, Nair PM// Bhabha Atom Res Ctr, Div Food Technol, Bombay 400085, Maharashtra, India  
*J Food Sci Technol-Mysore* 1995 **32** (3) 181  
 Biochemical methods for determination of spoilage of foods of animal origin: A critical evaluation (Review)
- Lindeberg J// Natl Food Admin, Box 622, S-75126 Uppsala, Sweden  
*Food Chem* 1996 **55** (1) 73  
 Capillary electrophoresis in food analysis (Review)
- Lindeberg J// Address as above.  
*Food Chem* 1996 **55** (1) 95  
 Addendum to "Capillary electrophoresis in food analysis" (Review)
- Ma L, Barbosa-Canovas GV\*// \*Washington State Univ, Dept Biol Syst Engr, Pullman, Wa 99164, USA  
*Food Sci Technol Int* 1995 **1** (1) 3  
 Instrumentation for the rheological characterization of foods (Review)
- Navas MJ, Jimenez AM// Univ Seville, Fac Pharm, Dept Anal Chem, Seville, Spain  
*Food Chem* 1996 **55** (1) 7  
 Review of chemiluminescent methods for food analysis
- Ukeda H// Kochi Univ, Fac Agr, Dept Resource Sci, Monobe B-200, Nankoku, Kochi 783, Japan  
*J Jpn Soc Food Sci Technol* 1995 **42** (10) 849  
 Food analysis by biosensor-flow injection analytical methods (Review) (Japanese, English Abstract)

## 2 GENERAL

- McQueen DH, Wilson R, Kinnunen A// Chalmers Univ Technol, Ctr Innovat, S-41296 Gothenburg, Sweden  
*Trend Anal Chem* 1995 **14** (10) 482  
 Near and mid-infrared photoacoustic analysis of principal components of foodstuffs

## 3 AMINO ACIDS, PROTEINS & ENZYMES

- Barbehenn RV// Univ Michigan, Dept Biol, Natl Sci Bldg, Ann Arbor, Mi 48109, USA  
*J Sci Food Agr* 1995 **69** (3) 353  
 Measurement of protein in whole plant samples with ninhydrin
- Calabrese M, Stancher B, Riccobon P// Univ Trieste, Dipt Econ & Mercel, Rosorse Nat & Prod, Via Valerio 6, I-34127 Trieste, Italy  
*J Sci Food Agr* 1995 **69** (3) 361  
 High-performance liquid chromatography determination of proline isomers in Italian wines
- Giovane A, Balestrieri C, Quagliuolo L, Castaldo D, Servillo L// Univ Naples 2, Dept Biochem & Biophys, Via Constantinopoli 16, I-80138 Naples, Italy  
*Eur J Biochem* 1995 **233** (3) 926  
 A glycoprotein inhibitor of pectin methylesterase in kiwi fruit: Purification by affinity chromatography and evidence of a ripening-related precursor
- Grove G, Jackson AA// Univ Southampton, Dept Human Nutr, Bassett Crescent East, Southampton SO16 7PX, England  
*Brit J Nutr* 1995 **74** (4) 491

Measurement of protein turnover in normal man using the end-product method with oral [<sup>15</sup>N] glycine: Comparison of single-dose and intermittent-dose regimens

- Haslemore RM, Gill AA// New Zealand Inst Crop & Food Res Ltd, Private Bag 11030, Palmerston North, New Zealand  
*J Inst Brew* 1995 **101** (6) 469  
 Rapid spectrophotometric measurement of soluble nitrogen in micromalts from a barley breeding programme
- Krause I, Bockhardt A, Neckermann H, Henle T, Klostermeyer H// Tec Univ Munchen Weihenstephan, Inst Chem & Phys, Milch & Lebensmittel Forschungszentrum, D-85350 Freising, Germany  
*J Chromatogr A* 1995 **715** (1) 67  
 Simultaneous determination of amino acids and biogenic amines by reversed-phase high-performance liquid chromatography of the dabsyl derivatives
- Otinen M, Tossavainen O, Syvaaja EL, Korhonen H// Valic Ltd, Ctr Res & Dev, PB 390, SF-00101 Helsinki, Finland  
*Milchwissenschaft* 1995 **50** (10) 570  
 Chromatographic isolation of κ-casein macropeptide from cheese whey with a strong basic anion exchange resin (German, English Abstract)
- Powell ML, Meade ME, Watts SA// Univ Alabama, Dept Biol, Birmingham, Al 35294, USA  
*J Crustacean Biol* 1995 **15** (4) 763  
 Identification of six commercially cultured crayfish species using total protein separation by isoelectric focusing

## 4 CARBOHYDRATES

- Morgan KR, Furneaux RH, Larsen NG// Ind Res Ltd, POB 31-310, Lower Hutt, New Zealand  
*Carbohydr Res* 1995 **276** (2) 387  
 Solid-state NMR studies on the structure of starch granules
- Weaver LT, Dibba B, Sonko B, Bohane TD, Hoare S// Univ Glasgow, Yorkhill Hosp, Dept Human Nutr, Glasgow G3 8SJ, Scotland  
*Brit J Nutr* 1995 **74** (4) 531  
 Measurement of starch digestion of naturally <sup>13</sup>C-enriched weaning foods, before and after partial digestion with amylase-rich flour, using a <sup>13</sup>C breath test

## 5 LIPIDS

- Davyt D, Pandolfi E, Heinzen H, Troche L, Moyna P// Fac Quim Montevideo, Catedra Farmacognosia & Prod Nat, Avda Gen Flores 124, Montevideo, Uruguay  
*An Asoc Quim Argent* 1995 **83** (1-2) 1  
 TLC-scanning of wheat seed waxes
- Forrow L, Calkins DR, Allshouse K, Horowitz G, Delbanco TL// Beth Israel Hosp, Div Gen Med, 330 Brookline Ave, Boston, Ma 02215, USA  
*Arch Intern Med* 1995 **155** (20) 2177  
 Evaluating cholesterol screening: The importance of controlling for regression to the mean
- Huber W, Molero A, Pereyra C, De la Ossa EM\*// \*Univ Cadiz, Dept Chem Engr, Apdo 40, E-11510 Puerto Real, Spain  
*J Chromatogr A* 1995 **715** (2) 333  
 Determination of cholesterol in milk fat by supercritical fluid chromatography

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.

Matthaus B, Losing R, Fiebig J\*// \*Bundesanstalt Getreide Kartoffel & Fettforsch, Inst Chem & Phys Fette, Postfach 1705, D-48006 Munster, Germany

*Fett Wiss Technol* 1995 97 (10) 372

Determination of inositol phosphates IP3-IP6 in rapeseed and rapeseed meal by an HPLC method, part II: Investigations of rapeseed and rapeseed meal and comparison with other methods

Metzger K, Rehberger PA, Erben G, Lehmann WD\*// \*German Canc Res Ctr, Cent Spect Dept, Neuenheimer Feld 280, D-69120 Heidelberg, Germany

*Anal Chem* 1995 67 (22) 4178

Identification and quantification of lipid sulfate esters by electrospray ionization MS/MS techniques: Cholesterol sulfate

Molinari F, Valenti M, Potenza D, Dionishi F, Aragazzini F// Univ Milan, Dipt Sci Tecnol Alimentari & Microbiol, Sez Microbiol Ind, Via Celoria 2, I-20133 Milan, Italy

*Ital J Food Sci* 1995 7 (1) 37

Determination of the enantiomeric composition of 1,2-diacylglycerols from olive oil by GC and <sup>13</sup>C-NMR spectroscopy

Muller R, Ast S// CPC Deutschland GmbH, Euro Res & Dev Ctr, Inst Forsch & Entwicklung, Knorrstr 1, D-74074 Heilbronn, Germany

*Fett Wiss Technol* 1995 97 (10) 389

Lipolytic fat deterioration in curry spice mixes: Suitability of fluorometric lipase determination for quality evaluation (German, English Abstract)

Pokorny J, Kalinova L, Dysseler P// Prague Inst Chem Technol, Fac Food & Biochem Technol, Dept Food Sci, Tech St 5, CR-16628 Prague 6, Czech Republic

*Pure Appl Chem* 1995 67 (10) 1781

Determination of chlorophyll pigments in crude vegetable oils: Results of a collaborative study and the standardized method (Technical Report)

Raoux R// Inst Corps Gras, ITERG, Lab Assurance Qual, rue Monge, F-33600 Pessac, France

*OCL-OI Corps Gras Lipides* 1995 2 (4) 302

Measures taken by a fatty acids analysis laboratory to conform to standards requirements (French)

Sacchi R, Addeo F, Musso SS, Paolillo L, Giudicianni I// Univ Naples Federico II, Dipt Sci Alimenti, Parco Gussone, I-80055 Portici, Italy

*Ital J Food Sci* 1995 7 (1) 27

A high resolution <sup>13</sup>C-NMR study of vegetable margarines

Sattler W, Leis HJ, Kostner GM, Malle E// Karl Franzens Univ Graz, Inst Med Biochem, Harrachgasse 21, A-8010 Graz, Austria

*Rapid Commun Mass Spectrom* 1995 9 (13) 1288

Quantification of 7-dehydrocholesterol in plasma and amniotic fluid by liquid chromatography particle beam mass spectrometry as a biochemical diagnostic marker for the Smith-Lemli-Opitz syndrome

Skrokki A// Kuusanraitti 6A6, SF-87250 Kajaani, Finland

*Fett Wiss Technol* 1995 97 (10) 384

Tests used for examining the quality of frying oils

Soudant P, Marty Y\*, Moal J, Samain JF// \*Fac Sci & Techn Brest, CNRS, URA 322, BP 809, F-29285 Brest, France

*J Chromatogr B-Biomed Appl* 1995 673 (1) 15

Separation of major polar lipids in *Pecten maximus* by high-performance liquid chromatography and subsequent determination of their fatty acids using gas chromatography

## 6 VITAMINS & CO-FACTORS

Abbotts J, Davies PSW, Prentice A, Stirling DM, Yan L, Bates C\*// \*MRC Dunn Nutr Unit, Downhams Lane, Milton Rd, Cambridge CB4 1XJ, England

*Ann Clin Biochem* 1995 32 (6) 591

25(OH)-vitamin D assay in plasma: Experience in using a commercial kit assay for survey work

Delgado-Zamarreno MM, Sanchez-Perez A, Gomez-Perez MC, Hernandez-Mendez J// Univ Salamanca, Fac Ciencias Quim, Dept Quim Analit Nutr & Bromatol, E-37008 Salamanca, Spain

*Anal Chim Acta* 1995 315 (1-2) 201

Automatic determination of liposoluble vitamins in butter and margarine using Triton X-100 aqueous micellar solution by liquid chromatography with electrochemical detection

Gomis DB, Arias VE, Alvarez LEF, Alvarez MDG// Univ Oviedo, Dept Quim Fis & Analit, E-33006 Oviedo, Spain

*Anal Chim Acta* 1995 315 (1-2) 177

Determination of fat-soluble vitamins by capillary liquid chromatography in bovine blood plasma

Kenny PTM, Wetzel JM// Suntory Inst Bioorganic Res, Shimamoto-cho, Mishima-gun, Osaka 618, Japan

*Eur Mass Spectrom* 1995 1 (4) 411

Fragmentation studies of ergosterol. The formation of the fragment ion at *m/z* 337 (Letter)

Nyambaka H, Ryley J// Leeds Univ, Procter Dept Food Sci, Leeds, England

*Food Chem* 1996 55 (1) 63

An isocratic reversed-phase HPLC separation of the stereoisomers of the provitamin A carotenoids ( $\alpha$ - and  $\beta$ -carotene) in dark green vegetables

Ozone K, Ueno S, Ishizaki M// Ibaraki Prefectural Inst Publ Hlth, 993-2 Kasahara cho, Mito, Ibaraki 310, Japan

*Jpn J Toxicol Environ Health* 1995 41 (5) 358

High-performance liquid chromatographic determination of riboflavin sodium phosphate based on its conversion to riboflavin with acid phosphatase (Japanese, English Abstract)

Shimada K, Mitamura K, Kitama N// Kanazawa Univ, Fac Pharmaceut Sci, 13-1 Takara machi, Kanazawa, Ishikawa 920, Japan

*Biomed Chromatogr* 1995 9 (5) 229

Quantitative determination of 25-hydroxyvitamin D<sub>3</sub> 3-sulphate in human plasma using high performance liquid chromatography

Wilson RJ, Beezer AE\*, Mitchell JC// \*Univ Kent, Chem Lab, Canterbury CT2 7NH, England

*Thermochim Acta* 1995 264 27

A kinetic study of the oxidation of L-ascorbic acid (vitamin C) in solution using an isothermal microcalorimeter

Zamarreno MMD, Perez AS, Perez MCG, Moro MAF, Mendez JH// Univ Salamanca, Fac Ciencias Quim, Dept Quim Analit Nutr & Bromatol, E-37008 Salamanca, Spain

*Analyst* 1995 120 (10) 2489

Determination of vitamins A, E and K<sub>1</sub> in milk by high-performance liquid chromatography with dual amperometric detection

## 7 TRACE ELEMENTS & MINERALS

Bintoro VP, Cantin-Esnault D\*, Alary J// \*Fac Pharmaceut Sci Grenoble, Lab Analyt Chem, Domaine Mercier, F-38700 La Tronche, France

*Analyst* 1995 120 (11) 2747

Validation of a modified spectrophotometric method for the determination of nitrate in dry milk using 5-*sec*-butylphenol

Boetefur AK, Muller-Plathe O\*// \*Allgemeinen Krankenhauses Altona, Zent Lab, Paul Ehrlich Str 1, D-22763 Hamburg, Germany

*Eur J Clin Chem Clin Biochem* 1995 33 (10) 749

Evaluation of a new method for determining the total calcium concentration using diluted plasma and an ion-selective electrode

De la Fuente MA, Guerrero G, Juarez M// CSIC, Inst Frio, Ciudad Univ s/n, E-28040 Madrid, Spain

*At Spectrosc* 1995 16 (5) 219

Determination of copper in skim milk by GFAAS using palladium-magnesium modifier and L'vov platform

Gil EP, Carra RMGM, Misiego AS\*// \*Univ Extremadura, Dept Quim Analit & Electroquim, E-06071 Badajoz, Spain

*Anal Chim Acta* 1995 315 (1-2) 69

Determination of copper in human plasma by stripping potentiometry on a mercury film electrode in ethylenediamine medium

Hristova EN, Cecco S, Niemela JE, Rehak NN, Elin EJ// NIH, Warren Grant Magnuson Clin Ctr, Dept Clin Pathol, Clin Chem Serv, Bldg 10, Rm 2C-407, Bethesda, Md 20892, USA

*Clin Chem* 1995 41 (11) 1649

Analyzer-dependent differences in results for ionized calcium, ionized magnesium, sodium, and pH

Ji XP, Ren JJ// Hebei Med Coll, Dept Med Chem, Shijiazhuang 050017, Peoples Rep China

*Atom Spectrosc* 1995 16 (5) 224

Determination of trace lead in rice using GFAAS

Jorhem L, Sundstrom B// Natl Food Adm Toxicol Lab, Box 622, S-75126 Uppsala, Sweden

*Atom Spectrosc* 1995 16 (5) 226

Direct determination of lead in wine using graphite furnace AAS

Looker AC, Gunter EW, Johnson CL// Ctr Dis Control & Prevent, Natl Ctr Hlth Stat, Div Hlth Examinat Stat, Hyattsville, Md 20782, USA

*Nutr Rev* 1995 53 (9) 246

Methods to assess iron status in various NHANES surveys

Quijano MA, Gutierrez AM, Conde MCP, Camara C// Univ Complutense

Madrid, Fac Quim, Dept Quim Anal, E-28040 Madrid, Spain

*J Anal Atom Spectrom* 1995 **10** (10) 871

Optimization of flow injection hydride generation inductively coupled plasma mass spectrometry for the determination of selenium in water and serum samples

Rukgauer M, Zeyfang A, Uhland K, Kruse-Jarres JD// Katharinen Hosp, Inst Klin Chem & Lab Med, Kriegsbergstr 60, D-70174 Stuttgart, Germany

*J Trace Elem Med Biol* 1995 **9** (3) 130

Isolation of corpuscular components of whole blood for the determination of selenium in blood cells

Varju P// Address not available.

*J Inst Brew* 1995 **101** (6) 435

Determination of the soluble iron content of filter aids: A collaborative trial

Vieira NE, Yergey AL// NICHHD, Theoret & Phys Biol Lab, 10 Ctr Dr, MSC 1580, Bldg 10, Rm 6C208, Bethesda, Md 20892, USA

*Anal Chem* 1995 **67** (22) 4217

Extraction of serum and urine calcium with ion exchange membrane filters for isotope enrichment determination using thermal ionization mass spectrometry

Xu DQ, Guo GP, Sun HW\*\*// \*Hebei Univ, Dept Chem, Baoding 071002, Peoples Rep China

*J Anal Atom Spectrom* 1995 **10** (10) 753

Determination of germanium in human serum by electrothermal atomic absorption spectrometry using a chemical modifier

Yoshinaga J// Natl Inst Environm Studies, Onogawa 16-2, Tsukuba, Ibaraki, Japan

*Bunseki Kagaku* 1995 **44** (11) 895

Analysis of trace elements in clinical samples by plasma ion source MS (Japanese, English Abstract)

## 8 DRUG, BIOCIDES & PROCESSING RESIDUES

Barnes KA, Fussell RJ, Startin JR, Thorpe SA, Reynolds SL// MAFF, CSL Food Sci Lab, Norwich Res Pk, Colney, Norwich NR4 7UQ, England

*Rapid Commun Mass Spectrom* 1995 **9** (14) 1441

Determination of the pesticides diflubenzuron and clofentezine in plums, strawberries and blackcurrant-based fruit drinks by high performance liquid chromatographic/atmospheric pressure chemical ionization mass spectrometry

Barrio CS, Perez AO, Asensio JS// Univ La Rioja, Dept Quim, Area Quim Analit, E-26001 Logrono, Spain

*Analisis* 1995 **23** (6) 255

Comparative study between liquid-liquid and solid-phase extraction of procymidone. Application to wine of La Rioja

Brooks MW, Barros A// FMC Corp, Agr Chem Grp, Box 8, Princeton, NJ 08543, USA

*Analyst* 1995 **120** (10) 2479

Determination of carbosulfan in oranges by high-performance liquid chromatography with post-column fluorescence

Delinnee H// Fed Res Ctr Nutr, Inst Nutr Physiol, Engesserstr 20, D-76131 Karlsruhe, Germany

*Radiat Phys Chem* 1995 **46** (4-6) 677

Rapid and simple screening tests to detect the radiation treatment of foods

Duarte CL, Villavicencio ALCH, Del Mastro NL, Wiendl FM// IPEN, CNEN, Cidade Univ, Travessa R 400, BR-05508-900 Sao Paulo, Brazil

*Radiat Phys Chem* 1995 **46** (4-6) 689

Detection of irradiated chicken by ESR spectroscopy of bone

Ehlermann DAE// Fed Res Ctr Nutr, Inst Food Engn, Engesserstr 20, D-76131 Karlsruhe, Germany

*Radiat Phys Chem* 1995 **46** (4-6) 693

Dosimetry and identification as a tool for official control of food irradiation

Ghojaie M, Sayhoon M// Atom Energy Org Iran, Gamma Irradiat Ctr, POB 11365-8486, Tehran, Iran

*Radiat Phys Chem* 1995 **46** (4-6) 699

Comparative assessment of irradiated proteins in potato tuber with untreated control by high performance liquid chromatography (HPLC) and gel electrophoresis

Jensen RG// Univ Connecticut, Dept Nutr Sci, Storrs, Ct 06269, USA

*Chemosphere* 1995 **31** (9) 4197

Extraction of fat from human milk for analysis of contaminants: Com-

ments

Khan HM, Delinnee G// Fed Res Ctr Nutr, Inst Nutr Physiol, Engesserstr 20, D-76131 Karlsruhe, Germany

*Radiat Phys Chem* 1995 **46** (4-6) 717

Detection of irradiation treatment of dates using thermoluminescence of mineral contaminants

Kiehl DE, Kennington AS// Eli Lilly & Co, Lilly Res Labs, Anim Sci Chem Res, Greenfield Labs, Greenfield, In 46140, USA

*Rapid Commun Mass Spectrom* 1995 **9** (13) 1297

Analysis of tilimicosin in swine liver extracts by liquid chromatography/atmospheric pressure chemical ionization mass spectrometry

Kingston R, Ordsmith N, Williams E, Thieme D// VG Organic, Floats Rd, Wythenshawe, Manchester M23 9LE, England

*Rapid Commun Mass Spectrom* 1995 **9** (14) 1395

An improved method for clenbuterol screening using high resolution selected ion recording

Kiyak N// Cekmece Nucl Res & Training Ctr, Pk1, Ataturk Havalimani, Istanbul, Turkey

*Radiat Phys Chem* 1995 **46** (4-6) 721

Application of thermoluminescence technique to identify radiation processed foods

Lau OW, Lung MT, Mok CS// Chinese Univ Hong Kong, Dept Chem, Sha Tin, Hong Kong

*Int J Food Sci Technol* 1995 **30** (3) 397

Distillation-extraction of styrene migrating from polystyrene containers to foods by gas chromatography

Lee WO, Wong SK// Govt Lab, 88 Chung Hau St, Kowloon, Hong Kong

*Analyst* 1995 **120** (10) 2475

Simple and rapid method for simultaneous gas chromatographic determination of bitertanol, metalaxyl, oxadixyl, propiconazole, and triadimefon residues in cucumbers

Liebl B// Landesuntersuchungsamt Gesundheitswesen Sudbayern, Vet Str 2, D-85762 Oberschleissheim, Germany

*Chemosphere* 1995 **31** (9) 4203

Extraction of fat from human milk for analysis of contaminants (Statement)

Meras ID, Mansilla AE, Lopez FS// Univ Extremadura, Dept Analyt Chem, E-06071 Badajoz, Spain

*Analyst* 1995 **120** (10) 2567

Simultaneous kinetic spectrophotometric determination of 2-furfuraldehyde and 5-hydroxymethyl-2-furfuraldehyde by application of a modified Winkler's method and partial least squares calibration

Nakazato M, Tadano K, Ogawa H, Ushiyama H, Kawai Y, Kobayashi T, Tateishi Y, Tamura Y// Tokyo Metropolitan Res Lab Publ Hlth, Shinjuku ku, 3-24-1, Hyakunin cho, Tokyo 169, Japan

*Jpn J Toxicol Environ Health* 1995 **41** (5) 392

Determination of imazalil, diphenyl, thiabendazole and *o*-phenylphenol in *Citrus* fruits, and of imazalil and thiabendazole in banana, by high performance liquid chromatography (Japanese, English Abstract)

Pan TM, Wu SJ, Huang KC, Wang RT, Wang CT, Pan TC// Natl Inst Prevent Med, Dept Hlth, Taipei 115, Taiwan

*Jpn J Toxicol Environ Health* 1995 **41** (5) 364

Determination of methyl mercury in fish and shellfish

Pinnioja S, Pajo L// Univ Helsinki, Dept Radiochem, Unionink 35, PI 5, SF-00014 Helsinki, Finland

*Radiat Phys Chem* 1995 **46** (4-6) 753

Thermoluminescence of minerals useful for identification of irradiated seafood

Polonia I, Esteves MP, Andrade ME, Empis J// ICEN INETI, Dept Phys, Estrada Nacl 10, P-2685 Sacavem, Portugal

*Radiat Phys Chem* 1995 **46** (4-6) 757

Identification of irradiated peppers by electron spin resonance, thermoluminescence and viscosity

Rimkus GG// Food & Vet Inst Schleswig Holstein, Dept Residue & Contaminat Anal, POB 2743, D-24517 Neumunster, Germany

*Chemosphere* 1995 **31** (9) 4200

Extraction of fat from human milk for analysis of contaminants (Reply)

Schulzki G, Spiegelberg A, Bogl KW, Schreiber GA// Fed Inst Hlth Protect, Consumers & Vet Med, Postfach 330013, D-14191 Berlin, Germany

*Radiat Phys Chem* 1995 **46** (4-6) 765

Detection of radiation-induced hydrocarbons in baked sponge cake prepared with irradiated liquid egg

Semeniuk S, Posyniak A, Niedzielska J, Zmudzki J// Natl Inst Vet Res, Dept Pharmacol & Toxicol, al Partyzantow 57, PL-24100 Pulawy, Poland

- Biomed Chromatogr* 1995 9 (5) 238  
Determination of nitroimidazole residues in poultry tissues, serum and eggs by high-performance liquid chromatography
- Stachowicz W, Burlinska G, Michalik J, Dziedzic-Goclawska A, Ostrowski K// Inst Nucl Chem & Technol, Dorodna 16, PL-03195 Warsaw, Poland  
*Radiat Phys Chem* 1995 46 (4-6) 771  
The EPR detection of food preserved with the use of ionizing radiation
- Uchiyama S// Food & Drug Safety Ctr, Hatano Res Ctr, Dept Food & Environm Hyg, 729-5 Ochiai, Hatano, Kanagawa 257, Japan  
*Jpn J Toxicol Environ Health* 1995 41 (5) 320  
Analytical detection methods for irradiated foods (Japanese, English Abstract)
- Yasin M, Baugh PJ, Hancock P, Bonwick GA, Davies DH, Armitage R// Univ Salford, Dept Chem & Appl Chem, Salford M5 4WT, England  
*Rapid Commun Mass Spectrom* 1995 9 (14) 1411  
Synthetic pyrethroid insecticides analysis by gas chromatography/mass spectrometry operated in negative-ion chemical ionization mode in soil, moss and fish tissue

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*J Microcolumn Sep* 1995 7 (5) 451  
Analysis of fumonisin B<sub>1</sub> in corn by capillary electrophoresis fluorescence detection of the FMOC derivative
- Kussak A, Andersson B\*, Andersson K// \*Natl Inst Occupat Hlth, Div Analyt Chem, POB 7654, S-90713 Umea, Sweden  
*J Chromatogr B-Biomed Appl* 1995 672 (2) 253  
Immunoaffinity column clean-up for the high-performance liquid chromatographic determination of aflatoxins B<sub>1</sub>, B<sub>2</sub>, G<sub>1</sub>, G<sub>2</sub>, M<sub>1</sub> and Q<sub>1</sub> in urine
- Minniti A, Micali G, Lanuzza F, Panebianco A// Univ Messina, Ist Speze Alimenti Origine Anim, Via S Cecilia 30, I-98123 Messina, Italy  
*Ital J Food Sci* 1995 7 (3) 305  
Determination of histamine in common sea fish parasites: *Anisakis simplex* and *Gymnorhynchus gigas*
- Tsuchiya H, Yamada K, Kato H, Hayashi H, Miyazaki T, Hayashi T// Asahi Univ Sch Dent, Dept Dent Pharmacol, Gifu 50102, Japan  
*Phytochem Analysis* 1995 6 (6) 297  
High-performance liquid chromatographic analysis of tetrahydro- $\beta$ -carboline in food plants
- Vanyi A, Kovacs F, Sandor G, Domany S, Kovacs MZ// Univ Vet Sci Budapest, Dept Anim Hyg, Istvan u 2, H-1078 Budapest, Hungary  
*Magy Allatory Lapja* 1995 50 (10) 790  
Demonstration of ochratoxin-A from human blood and colostrum

## 10 ADDITIVES

- Anklam E, Muller A, Schmalfuss J// Commiss European Communities, Joint Res Ctr, Inst Environm, I-21020 Ispra, Italy  
*Chromatographia* 1995 41 (7-8) 431  
High performance liquid chromatographic analysis of Patent Blue V in cheese
- Grob K, Bronz M// Kantonales Lab, CH-8030 Zurich, Switzerland  
*J Microcolumn Sep* 1995 7 (4) 421  
On-line LC-GC transfer via a hot vaporizing chamber and vapor discharge by overflow; Increased sensitivity for the determination of mineral oil in foods
- Ichi T, Higashimura Y, Katayama T, Koda T, Shimizu T, Tada M// San Ei Gen FFI Inc, 1-1-11 Sanwa cho, Toyonaka, Osaka 561, Japan  
*J Jpn Soc Food Sci Technol* 1995 42 (10) 776  
Analysis of crocetin derivatives from *Gardenia jasminoides* Ellis fruits (Japanese, English Abstract)
- Montano A, Sanchez AH, Rejano L// CSIC, Inst Grasa, Dept Biotechnol Alimentos, Avda Padre Garcia Tejero 4, E-41012 Seville, Spain  
*Analyst* 1995 120 (10) 2483  
Determination of benzoic and sorbic acids in packaged vegetable products. Comparative evaluation of methods
- Ostermeyer U// Bundesforschungsanstalt Fischerei, Inst Biochem & Technol, Palmaille 9, D-22767 Hamburg, Germany  
*Deut Lebensm-Rundsch* 1995 91 (10) 307  
Analysis of sweeteners and preservatives in fishery products by HPLC (German, English Abstract)

- Razee S, Tamura A, Masujima T// \*Hiroshima Univ, Sch Med, Inst Pharmaceut Sci, Minami ku, Kasumi 1-2-3, Hiroshima 734, Japan  
*J Chromatogr A* 1995 715 (1) 179  
Improvement in the determination of food additive dyestuffs by capillary electrophoresis using  $\beta$ -cyclodextrin
- Sherman P// 11 Forty Ave, Wembley Pk, Wembley HA9 8UL, Middx, England  
*Ital J Food Sci* 1995 7 (1) 3  
A critique of some methods proposed for evaluating the emulsifying capacity and emulsion stabilizing performance of vegetable proteins
- Tonnesen HH, Arrieta AF, Lerner D// Univ Oslo, Inst Pharm, POB 1068, N-0316 Oslo, Norway  
*Pharmazie* 1995 50 (10) 689  
Studies on curcumin and curcuminoids. XXIV. Characterization of the spectroscopic properties of the naturally occurring curcuminoids and selected derivatives

## 11 FLAVOURS & AROMAS

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*J Sci Food Agr* 1995 69 (3) 299  
Identification of volatile constituents in wines from *Vitis vinifera* var *dadillo* and sensory contribution of the different wine flavour fractions
- Galletti GC, Russo MT, Bocchini P// CCF/CNR, Via F Re 8, I-40126 Bologna, Italy  
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