

# Bibliography of analytical, nutritional and clinical methods

(Three weeks journals - Search completed at 6th Nov 1996)

## 2 GENERAL

Thacker JD, Casale ES, Tucker CM// Thaco Res Corp, 4200-B Technol Court, Chantilly, Va 22021, USA  
*J Agr Food Chem* 1996 **44** (9) 2680  
Immunoassays (ELISA) for rapid, quantitative analysis in the food-processing industry

## 3 AMINO ACIDS, PROTEINS & ENZYMES

Engelen AJ, Van der Heeft FC, Randsdorp PHG// GIST brocades BV, Intero Serv Lab, POB 1, NL-2600 MA Delft, The Netherlands  
*J AOAC Int* 1996 **79** (5) 1019

Viscometric determination of  $\beta$ -glucanase and endoxylanase activity in feed

Flores M, Aristoy MC, Toldra F// \*CSIC, Inst Agroquim & Tecnol Alimentos, Apdo 73, E-46100 Burjassot, Valencia, Spain  
*J Agr Food Chem* 1996 **44** (9) 2578

HPLC purification and characterization of soluble alanyl aminopeptidase from porcine skeletal muscle

Hamada JS// USDA/ARS, Sthn Reg Res Ctr, 1100 Robert E Lee Blvd, New Orleans, La 70179, USA

*J Amer Oil Chem Soc* 1996 **73** (9) 1143

Isolation and identification of the multiple forms of soybean phytases

Martinez EN, Anon MC// \*Natl Univ La Plata, CIDCA, Fac Ciencias Exactas, 47 & 116, RA-1900 La Plata, Argentina

*J Agr Food Chem* 1996 **44** (9) 2523

Composition and structural characterization of amaranth protein isolates. An electrophoretic and calorimetric study

Minkiewicz P, Slangen CJ, Lagerwerf FM, Haverkamp J, Rollema HS, Visser S// \*Netherlands Inst Dairy Res, Dept Biophys Chem, POB 20, NL-6710 BA Ede, The Netherlands

*J Chromatogr A* 1996 **743** (1) 123

Reversed-phase high-performance liquid chromatographic separation of bovine  $\kappa$ -casein macropeptide and characterization of isolated fractions

Revilleza MJ, Galvez AF, Krenz DC, De Lumen BO// \*Univ Calif Berkeley, Dept Nutr Sci, 238 Morgan Hall, Berkeley, Ca 94720, USA

*J Agr Food Chem* 1996 **44** (9) 2930

An 8 kDa methionine-rich protein from soybean (*Glycine max*) cotyledon: Identification, purification, and N-terminal sequence

Shahidi F, Synowiecki J// Mem Univ Newfoundland, Dept Biochem, St Johns, Newfoundland, Canada A1B 3X9

*Food Chem* 1996 **57** (2) 317

Alkali-assisted extraction of proteins from meat and bone residues of harp seal (*Phoca groenlandica*)

Vachier MC, Rutledge DN// Inst Natl Agronom Paris Grignon, Lab Chim Anal, 16 rue Claude Bernard, F-75231 Paris 05, France

*Food Chem* 1996 **57** (2) 287

Hydration state of gelatine studied by time domain nuclear magnetic resonance (TD-NMR): A preliminary study

Wang HS, Cui H, Zhang AM, Liu RM// Liaocheng Teacher's Coll, Dept

Chem, Shandong, Peoples Rep China

*Anal Commun* 1996 **33** (8) 275

Adsorptive stripping voltammetric determination of tryptophan at an electrochemically pre-treated carbon-paste electrode with solid paraffin as a binder

## 4 CARBOHYDRATES

Loughram MG, Hall JM, Turner APF// \*Cranfield Univ, Cranfield Biotechnol Ctr, Cranfield, Bedfordshire MK43 0AL, England

*Electroanal* 1996 **8** (10) 870

Development of a pyrroloquinoline quinone (PQQ) mediated glucose oxidase enzyme electrode for detection of glucose in fruit juice

McIntyre DD, Ceri H, Vogel HJ// \*Univ Calgary, Dept Biol Sci, Calgary, Alberta, Canada T2N 1N4

*Starch* 1996 **48** (7-8) 285

Nuclear magnetic resonance studies of the heteropolysaccharides alginate, gum arabic and gum xanthan

## 5 LIPIDS

Benard M, Johnson B// Address not available (Committee Report).

*J Inst Brew* 1996 **102** (5) 319

Determination of moisture and fatty substances contents of solid adjuncts

Borch-Jensen C, Mollerup J// Tech Univ Denmark, Dept Chem Engn, DK-2800 Lyngby, Denmark

*J Amer Oil Chem Soc* 1996 **73** (9) 1161

Determination of vernolic acid content in the oil of *Euphorbia lagascae* by gas and supercritical fluid chromatography

Byrdwell WC, Emken EA, Neff WE, Adlof RO// USDA/ARS, FQS, NCAUR, 1815 Nth Univ St, Peoria, IL 61604, USA

*Lipids* 1996 **31** (9) 919

Quantitative analysis of triglycerides using atmospheric pressure chemical ionization mass spectrometry

Caliari S, Vantini I, Sembenini C, Gregori B, Carnielli V, Benini L// Univ Verona, Ctr Osped Clinicizzato, Div Riabilitaz Gastroenterol, I-37067 Valleggio SM, Verona, Italy

*Scand J Gastroenterol* 1996 **31** (9) 863

Fecal fat measurement in the presence of long- and medium-chain triglycerides and fatty acids: Comparison of three methods

Dupuy N, Duponchel L, Huvenne JP\*, Sombret B, Legrand P// \*Ecole Univ Ingn Lille, Univ Sci Technol Lille, LASIR CNRS UPR 26311, Batiment C5, F-59655 Villeneuve d'Ascq, France

*Food Chem* 1996 **57** (2) 245

Classification of edible fats and oils by principal component analysis of Fourier transform infrared spectra

Kajimoto G, Yamaguchi M, Nakamura M// Kobe Gakuin Univ, Fac Nutr, Nishi ku, Kobe, Hyogo 65121, Japan

*J Jpn Soc Food Sci Technol* 1996 **43** (9) 1054

Oxidative stability test of oil containing phloxine and  $\beta$ -carotene by the Rancimat method (Japanese, English Abstract)

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.

King JW, Eller FJ, Snyder JM, Johnson JH, McKeith FK, Stites CR// USDA/ ARS, Natl Ctr Agr Utilizat Res, 1815 Nth Univ St, Peoria, IL 61604, USA  
*J Agr Food Chem* 1996 **44** (9) 2700

Extraction of fat from ground beef for nutrient analysis using analytical supercritical fluid extraction

McNamara JR, Warnick GR, Leary ET, Wittels E, Nelson FE, Pearl MF, Schaefer EJ// Tufts Univ, USDA, Lipid Metab Lab, Human Nutr Res Ctr Aging, 711 Washington St, Boston, MA 02111, USA

*Prev Med* 1996 **25** (5) 583

Multicenter evaluation of a patient-administered test for blood cholesterol measurement

Ratnayake WMN, Pelletier G// Hlth Canada, Nutr Res Div, Postal Locator 2203C, Ottawa, Ontario, Canada K1A 0L2

*J Amer Oil Chem Soc* 1996 **73** (9) 1165

Methyl esters from a partially hydrogenated vegetable oil is a better infrared external standard than methyl elaidate for the measurement of total *trans* content

Vlahov G// Ist Sperimentale Elaiotecn, Contrada Fonte Umano, I-65013 Citta S Angelo, PE, Italy

*J Amer Oil Chem Soc* 1996 **73** (9) 1201

Improved quantitative <sup>13</sup>C nuclear magnetic resonance criteria for determination of grades of virgin olive oils. The normal ranges for diglycerides in olive oil

## 6 VITAMINS & CO-FACTORS

Disdier B, Bun H\*, Catalin J, Durand A// \*UFR Pharm, Lab Hosp Univ Pharmacocinet & Toxicocinet, 27 Blvd Jean Moulin, F-13385 Marseille 5, France  
*J Chromatogr B-Biomed Appl* 1996 **683** (2) 143

Simultaneous determination of all-*trans*-, 13-*cis*-, 9-*cis*-retinoic acid and their 4-oxo-metabolites in plasma by high-performance liquid chromatography

Li S, Barua AB, Huselton CA\*// \*Hoffmann La Roche Inc, Dept Drug Metab & Pharmacokinetic, 340 Kingsland St, Nutley, NJ 07110, USA

*J Chromatogr B-Biomed Appl* 1996 **683** (2) 155

Quantification of retinoyl- $\beta$ -glucuronides in rat urine by reversed-phase high-performance liquid chromatography with ultraviolet detection

Mandl A, Lindner W\*// \*Graz Univ, Inst Pharmaceut Chem, Schubertstr 1, A-8010 Graz, Austria

*Chromatographia* 1996 **43** (5-6) 327

Improved detection of leucovorin in mixed folates and antifolates by reversed-phase liquid chromatography and on-line post-column UV irradiation

Pfister S, Meyer P, Steck A, Pfander H\*// \*Univ Bern, Inst Organ Chem, Freiestr 3, CH-3012 Bern, Switzerland

*J Agr Food Chem* 1996 **44** (9) 2612

Isolation and structure elucidation of carotenoid-glycosyl esters in gardenia fruits (*Gardenia jasminoides* Ellis) and saffron (*Crocus sativus* Linne)

Roth-Maier D, Kirchgessner M, Henke J, Metak G, Erhardt W// Tech Univ Munich, Inst Ernahrungsphysiol, D-85350 Freising, Germany

*J Anim Physiol Anim Nutr* 1996 **75** (4-5) 250

Method for the *in vivo* determination of the prececal digestibility of vitamins (German, English Abstract)

Verma KK, Jain A, Sahasrabudhey B, Gupta K, Mishra S// Rani Durgavati Univ, Dept Chem, Jabalpur 482001, India

*J AOAC Int* 1996 **79** (5) 1236

Solid-phase extraction cleanup for determining ascorbic acid and dehydroascorbic acid by titration with 2,6-dichlorophenolindophenol

## 7 TRACE ELEMENTS & MINERALS

Allabashi R, Cullaj A, Tabaku A, Babi D, Celso V// Vienna Tech Univ, Inst Analyt Chem, Getreidemarkt 9, A-1060 Vienna, Austria

*Fresen Environ Bull* 1996 **5** (3-4) 126

Atomic absorption spectrometric determination of lead in whole blood of differently exposed collectives in Albania

Anderson DL, Cunningham WC// US/FDA, Ctr Food Safety & Appl Nutr, Elemental Res Branch, Washington, DC 20204, USA

*J AOAC Int* 1996 **79** (5) 1141

Nondestructive determination of lead, cadmium, tin, antimony, and barium in ceramic glazes by radioisotope X-ray fluorescence spectrometry

Cook KK// US/FDA, Div Sci & Appl Technol, Off Food Labeling, 200 C St SW, Washington, DC 20204, USA

*J AOAC Int* 1996 **79** (5) 1162

Determination of selenium in infant formula and enteral formula by dry ash graphite furnace atomic absorption spectrometry with deuterium background correction

Corradini F, Franchini G, Marchetti A\*, Preti C// \*Univ Modena, Dept Chem, Via Campi 183, I-41100 Modena, Italy

*J AOAC Int* 1996 **79** (5) 1167

Determination of alkali and alkaline earth metals in Aceto Balsamico Tradizionale di Modena by flame atomic absorption spectroscopy

Hepp NM// US/FDA, Off Cosmet & Colors, 200 C St SW, Washington, DC 20204, USA

*J AOAC Int* 1996 **79** (5) 1189

Spectrometric determination of chromium in FD&C Blue No 1 by X-ray fluorescence

Jagner D, Ma F, Wang Y// Univ Goteborg, Dept Anal & Marine Chem, S-41296 Goteborg, Sweden

*Electroanal* 1996 **8** (10) 952

Rapid calibration-free determination of lead in microliter amounts of whole blood

Lopez-Artiguez M, Camean AM, Repetto M// Natl Inst Toxicol, Dept Seville, POB 863, Seville 41080, Spain

*J AOAC Int* 1996 **79** (5) 1191

Determination of nine elements in sherry wine by inductively coupled plasma-atomic emission spectrometry

Marshall PA, Trenerry VC// Australian Govt Anal Labs, 338-340 Tapleys Hill Rd, Seaton, SA 5023, Australia

*Food Chem* 1996 **57** (2) 339

The determination of nitrite and nitrate in foods by capillary ion electrophoresis

Miller-Ihli NJ// USDA, Beltsville Human Nutr Res Ctr, Food Compos Lab, Beltsville, Md 20705, USA

*J Agr Food Chem* 1996 **44** (9) 2675

Trace element determinations in foods and biological samples using inductively coupled plasma atomic emission spectrometry and flame atomic absorption spectrometry

Sandhya D, Priya S, Subramanian MS\*// \*Indian Inst Technol, Dept Chem, Madras 600036, Tamil Nadu, India

*J AOAC Int* 1996 **79** (5) 1205

Trace determination of zinc by substoichiometric isotope dilution analysis

Shimbo S, Hayase A, Murakami M, Hatai I, Higashikawa K, Moon CS, Zhang ZW, Watanabe T, Iguchi H, Ikeda M\*// \*Kyoto Ind Hlth Assoc, Nakagyo ku, 67 Nishinokyo, Kitatsuboicho, Kyoto 604, Japan

*Food Addit Contam* 1996 **13** (7) 775

Use of a food composition database to estimate daily dietary intake of nutrient or trace elements in Japan, with reference to its limitation

Teramoto K// Shiga Prefectural Agr Expt Stn, Azuchi 52113, Japan

*Breeding Sci* 1996 **46** (3) 241

A simplified method for the determination of the amount of Mg and K extracted from rice grains with a hydrochloric acid solution

Van Cauwenbergh R, Hendrix P, Robberecht H\*, Deelstra HA// \*Univ Instelling Antwerp, Dept Pharmaceut Sci, Univ Pl 1, B-2610 Wilrijk, Belgium

*Z Lebensmittel-Untersuch Fors* 1996 **203** (3) 203

Daily dietary chromium intake in Belgium, using duplicate portion sampling

## 8 DRUG, BIOCIDES & PROCESSING RESIDUES

Andresen MT, Fesser ACE// Agr Canada, Hlth Anim Lab, 116 Vet Rd, Saskatoon, SK, Canada S7N 2R3

*J AOAC Int* 1996 **79** (5) 1037

Liquid chromatographic determination of progestogens in animal fat

Ashraf-Khorassani M, Taylor LT, Schweighardt FK// Virginia Polytech Inst & State Univ, Dept Chem, Blacksburg, Va 24061, USA

- JAOAC Int* 1996 **79** (5) 1043  
Comparison of supercritical CHF<sub>3</sub> and CO<sub>2</sub> and methanol-modified CHF<sub>3</sub> and CO<sub>2</sub> for extraction of sulfonamides from chicken liver
- Cobin JA, Johnson NA\*// \*Merck & Co Inc, Merck Res Labs, POB 450, Three Bridges, NJ 08887, USA  
*JAOAC Int* 1996 **79** (5) 1158  
Determination of total avermectin B<sub>1</sub> and 8,9-Z-avermectin B<sub>1</sub> residues in wine by liquid chromatography
- De Veau EJI// US/FDA, Ctr Vet Med, BARC East, Bldg 328A, Beltsville, Md 20705, USA  
*JAOAC Int* 1996 **79** (5) 1050  
Determination of phenylbutazone residues in bovine milk by liquid chromatography with UV detection
- Falcon MSG, Amigo SG, Yusty MAL, Villaizan MJLD, Lozano JS// Univ Santiago de Compostela, Dept Analyt Chem Nutr & Bromatol, E-15706 Santiago de Compostela, Spain  
*Food Addit Contam* 1996 **13** (7) 863  
Determination of benzo[a]pyrene in lipid-soluble smoke (LSLS) by HPLC-FL
- Firestone D, Fehring NV, Walters SM, Kozara RJ, Ayres RJ, Ogger JD, Schneider LF, Glidden RM, Ahrep JR, Brown PJ *et al*// US/FDA, Ctr Food Safety & Appl Nutr, Washington, DC 20204, USA  
*JAOAC Int* 1996 **79** (5) 1174  
TCDD residues in fish and shellfish from US waterways
- Gigosos PG, Sampayo CAF\*, Abuin CF, Belda BV, Fernandez EQ, Saez AC// \*Conselleria Sanidade & Benestar Social, Lab Salud Publ Lugo, Lugo, Spain  
*Chromatographia* 1996 **43** (5-6) 271  
Liquid chromatographic analysis of clenbuterol residues in food products of animal origin (cow liver) using diphasic dialysis extraction
- Haasnoot W, Korsrud GO\*, Cazemier G, Maneval F, Keukens H, Nouws J// \*Agr & Agri-Food Canada, Hlth Anim Lab, Ctr Vet Drug Residues, 116 Vet Rd, Saskatoon, Sk, Canada S7N 2R3  
*Food Addit Contam* 1996 **13** (7) 811  
Application of an enzyme immunoassay for the determination of sulphamethazine (sulphadimidine) residues in swine urine and plasma and their use as predictors of the level in edible tissue
- Heller DN// US/FDA, Ctr Vet Med, BARC East, Bldg 328A, Beltsville, Md 20705, USA  
*JAOAC Int* 1996 **79** (5) 1054  
Determination and confirmation of pirlimycin residues in bovine milk and liver by liquid chromatography/thermospray mass spectrometry: Interlaboratory study
- Leysens L, Courtheyn D, Schilt R, Berthoz Y, Moermans R, Boenke A// Dr L Willems Inst, Univ Campus, B-3590 Diepenbeek, Belgium  
*Food Addit Contam* 1996 **13** (7) 795  
β-Agonists in animal feed. III. Optimization of the clean-up and the end-determination step
- Li JS, Qian CF\*// \*Beijing Agr Univ, Dept Appl Chem, Beijing 100094, Peoples Rep China  
*JAOAC Int* 1996 **79** (5) 1062  
Determination of avermectin B<sub>1</sub> in biological samples by immunoaffinity column clean-up and liquid chromatography with UV detection
- Ngoh MA, Cullison R// US/FDA, Ctr Vet Med, Beltsville, Md 20705, USA  
*J Agr Food Chem* 1996 **44** (9) 2686  
Determination of trichlorfon and dichlorvos residues in shrimp using gas chromatography with nitrogen-phosphorus detection
- Parrilla P, Vidal JLM\*// \*Univ Almeria, Dept Analyt Chem, E-04120 Almeria, Spain  
*Chromatographia* 1996 **43** (5-6) 265  
HPLC determination of pesticides in green bean samples after SPE clean-up
- Pfenning AP, Munns RK, Turnipseed SB, Roybal JE, Holland DC, Long AR, Plakas SM// US/FDA, Anim Drugs Res Ctr, Denver, Co 80225, USA  
*JAOAC Int* 1996 **79** (5) 1227  
Determination and confirmation of identities of flumequine and nalidixic, oxolinic, and piromidic acids in salmon and shrimp
- Reddy SJ, Hermes M, Scholz F\*// \*Humboldt Univ Berlin, Inst Chem, Hessische Str 1-2, D-10115 Berlin, Germany  
*Electroanal* 1996 **8** (10) 955  
The application of abrasive stripping voltammetry for a simple and rapid screening of pesticides
- Richman SJ, Karthikeyan S, Bennett DA, Chung AC, Lee SM// Calif Dept Food & Agr, Ctr Analyt Chem, 3292 Meadowview Rd, Sacramento, Ca 95832, USA  
*J Agr Food Chem* 1996 **44** (9) 2924  
Low-level immunoassay screen for 2,4-dichlorophenoxyacetic acid in apples, grapes, potatoes, and oranges: Circumventing matrix effects
- Schenck FJ, Calderon L, Podhorniak LV// US/FDA, Baltimore Dist Lab, 900 Madison Ave, Baltimore, Md 21201, USA  
*JAOAC Int* 1996 **79** (5) 1209  
Determination of organochlorine pesticide and polychlorinated biphenyl residues in fatty fish by tandem solid-phase extraction cleanup
- Schenck FJ// Address as above.  
*JAOAC Int* 1996 **79** (5) 1215  
Screening of nonfatty fish for organochlorine pesticide residues by solid-phase extraction clean-up interlaboratory study
- Stout SJ, Da Cunha AR, Fletcher JS, Picard GL// Amer Cyanamid Co, Agr Prod Res Div, POB 400, Princeton, NJ 08543, USA  
*JAOAC Int* 1996 **79** (5) 1220  
Rapid determination of imazapyr in corn by gas chromatography/mass spectrometry with electron capture negative ion chemical ionization
- Suarez AM, Rodriguez JM, Morales P, Hernandez PE, Azcona-Olivera JI\*// \*Univ Complutense Madrid, Dept Nutr & Bromatol 3, E-28040 Madrid, Spain  
*J Agr Food Chem* 1996 **44** (9) 2936  
Development of monoclonal antibodies to the lantibiotic nisin A
- Wu J, Wong MK, Lee HK, Lee BL, Shi CY, Ong CN\*// \*Natl Univ Singapore, Dept Community Occupat & Family Med, Kent Ridge, Singapore 119074, Rep Singapore  
*Food Addit Contam* 1996 **13** (7) 851  
Determination of heterocyclic amines in flame-grilled fish patty by capillary electrophoresis

## 9 TOXINS

- Dragacci S, Fremy JM// Minist Agr, Ctr Natl Etud Vet & Alimentaires, Unite Toxines Microbiennes, 43 rue Dantzig, F-75015 Paris, France  
*J Food Protect* 1996 **59** (9) 1011  
Application of immunoaffinity column cleanup to aflatoxin M<sub>1</sub> determination and survey in cheese
- Edwards EJ, Cobb AH\*// \*Nottingham Trent Univ, Dept Life Sci, Clifton Lane, Nottingham NG11 8NS, England  
*J Agr Food Chem* 1996 **44** (9) 2705  
Improved high-performance liquid chromatographic method for the analysis of potato (*Solanum tuberosum*) glycoalkaloids
- Hernandez-Jover T, Izquierdo-Pulido M, Veciana-Nogues MT, Vidal-Carou MC\*// \*Univ Barcelona, Unitat Nutr & Bromatol, Avda Joan XXIII s/n, E-08028 Barcelona, Spain  
*J Agr Food Chem* 1996 **44** (9) 2710  
Ion-pair high-performance liquid chromatographic determination of biogenic amines in meat and meat products
- Herry MP, Lemetayer N// Direct Gen Concurrence Consommat & Repress Fraude, Lab Interreg, 26 Ave Coetlogon, F-35000 Rennes, France  
*JAOAC Int* 1996 **79** (5) 1107  
Liquid chromatographic determination of patulin in French apple ciders
- Lapeyre C, De Solan MN, Drouet X// Ctr Nacl Etud Vet & Alimentaires, LCHA, 43 rue Dantzig, F-75015 Paris, France  
*JAOAC Int* 1996 **79** (5) 1095  
Immunoenzymatic detection of staphylococcal enterotoxins: International interlaboratory study
- Larsson K, Moller T// Lantmannen Foderutveckling AB, Box 30192, S-10425 Stockholm, Sweden  
*JAOAC Int* 1996 **79** (5) 1102  
Liquid chromatographic determination of ochratoxin A in barley, wheat bran, and rye by the AOAC/IUPAC/NMKL method: NMKL collaborative study

Lawrence JF, Wong B, Menard C// Hlth Canada, Hlth Protect Branch, Food Res Div, Banting Res Ctr, Ottawa, Ontario, Canada K1A 0L2  
*J AOAC Int* 1996 **79** (5) 1111

Determination of decarbamoyl saxitoxin and its analogues in shellfish by pre-chromatographic oxidation and liquid chromatography with fluorescence detection

Morton SL, Tindall DR// Bigelow Lab Ocean Sci, Ctr Culture Marine Phytoplankton, McKown Pt, West Boothbay Harbor, Me 04575, USA  
*Toxicon* 1996 **34** (8) 947

Determination of okadaic acid content of dinoflagellate cells: A comparison of the HPLC-fluorescent method and two monoclonal antibody ELISA test kits

Mossoba MM, Adams S, Roach JAG, Trucksess MW// US/FDA, Div Gen Sci Support, Washington, DC 20204, USA  
*J AOAC Int* 1996 **79** (5) 1116

Analysis of trichothecene mycotoxins in contaminated grains by gas chromatography/matrix isolation/Fourier transform infrared spectroscopy and gas chromatography/mass spectrometry

Patel S, Hazel CM, Winterton AGM, Mortby E// RHM Technol Ltd, Lord Rank Ctr, Lincoln Rd, High Wycombe HP12 3QR, Bucks, England  
*Food Addit Contam* 1996 **13** (7) 833

Survey of ethnic foods for mycotoxins

Poling SM, Plattner RD// USDA/ARS, Bioact Agents Res, Natl Ctr Agr Utilizat Res, Peoria, Il 61604, USA  
*J Agr Food Chem* 1996 **44** (9) 2792

Rapid purification of fumonisins B<sub>3</sub> and B<sub>4</sub> with solid phase extraction columns

Scott PM, Lawrence GA// Hlth Canada, Food Res Div, Sir Frederick G Banting Res Ctr, Postal Locator 2203D, Ottawa, Ontario, Canada K1A 0L2  
*Food Addit Contam* 1996 **13** (7) 823

Determination of hydrolysed fumonisin B<sub>1</sub> in alkali-processed corn foods

Selim MI, Pependorf W, Ibrahim MS, El-Sharkawy S, El-Kashory E// Univ Iowa, Dept Prevent Med & Environm Hlth, Iowa City, Ia 52242, USA  
*J AOAC Int* 1996 **79** (5) 1124

Aflatoxin B<sub>1</sub> in common Egyptian foods

Trevakis M, Trener VC// Australian Govt Anal Labs, 338-340 Tapleys Rd, Seaton, SA 5023, Australia  
*Food Chem* 1996 **57** (2) 323

An investigation into the determination of oxalic acid in vegetables by capillary electrophoresis

Truman P, Lake RJ// Inst Environm Sci & Res Ltd, Communicable Dis Ctr, POB 50-348, Porirua, New Zealand  
*J AOAC Int* 1996 **79** (5) 1130

Comparison of mouse bioassay and sodium channel cytotoxicity assay for detecting paralytic shellfish poisoning toxins in shellfish extracts

Yu FY, Chu FS// \*Univ Wisconsin, Dept Food Microbiol & Toxicol, Madison, Wi, 53706, USA  
*J Food Protect* 1996 **59** (9) 992

Production and characterization of antibodies against fumonisin B<sub>1</sub>

## 11 FLAVOURS & AROMAS

Deng ZP, Stone DC, Thompson M// Univ Toronto, Dept Chem, 80 St George St, Toronto, Ontario, Canada M5S 3H6  
*Analyst* 1996 **121** (9) 1341

Effect of redox state on the response of poly-N-(2-cyanoethyl)pyrrole coated thickness shear mode acoustic wave sensors to organic vapours

Ishii K, Furuta T, Kasuya Y// Kyorin Univ, Sch Hlth Sci, 476 Miyashita, Hachioji, Tokyo 192, Japan  
*J Chromatogr B-Biomed Appl* 1996 **683** (2) 225

Determination of naringin and naringenin in human plasma by high-performance liquid chromatography

Leunissen M, Davidson VJ\*, Kakuda Y// \*Univ Guelph, Sch Engn, Guelph, Ontario, Canada N1G 2W1  
*J Agr Food Chem* 1996 **44** (9) 2694

Analysis of volatile flavor components in roasted peanuts using supercritical fluid extraction and gas chromatography/mass spectrometry

Madsen HL, Nielsen BR, Bertelsen G, Skibsted LH\*// \*Royal Vet & Agr

Univ, Dept Dairy & Food Sci, KVL Ctr Food Res, Rolighedsvej 30, DK-1958 Frederiksberg C, Denmark

*Food Chem* 1996 **57** (2) 331

Screening of antioxidative activity of spices. A comparison between assays based on ESR spin trapping and electrochemical measurement of oxygen consumption

Magaletta RL, Ho CT\*// \*Rutgers State Univ, Cook Coll, New Jersey Agr Expt Stn, Dept Food Sci, New Brunswick, NJ 08903, USA  
*J Agr Food Chem* 1996 **44** (9) 2629

Effect of roasting time and temperature on the generation of nonvolatile (polyhydroxyalkyl) pyrazine compounds in peanuts, as determined by high-performance liquid chromatography

Refsgaard HHF, Schaumburg K, Skibsted LH\*// \*Royal Vet & Agr Univ, Kvl Ctr Food Resd, Rolighedsvej 30, DK-1958 Frederiksberg C, Denmark  
*Z Lebensmittel-Untersuch Fors* 1996 **203** (3) 287

Solid state <sup>13</sup>C NMR investigations of insoluble deposits in aromatic bitters

Schmidt NE, Santiago LM, Eason HD, Dafford KA, Grooms CA, Link TE, Manning DT, Cooper SD, Keith RC, Chance WO *et al*// Georgia Sthn Univ, Dept Chem, Statesboro, Ga 30460, USA  
*J Agr Food Chem* 1996 **44** (9) 2690

Rapid extraction method of quantitating the lachrymatory factor of onion using gas chromatography

Tuomala T, Kallio H\*// \*Univ Turku, Dept Biochem & Food Sci, FIN-20014 Turku, Finland  
*Z Lebensmittel-Untersuch Fors* 1996 **203** (3) 236

Identification of free fatty acids and some other volatile flavour compounds from Swiss cheese using on line supercritical fluid extraction-gas chromatography

Warmke R, Belitz HD, Grosch W\*// \*Deutsch Forsch Anstalt Lebensmittelchem, Lichtenbergstr 4, D-85748 Garching, Germany  
*Z Lebensmittel-Untersuch Fors* 1996 **203** (3) 230

Evaluation of taste compounds of Swiss cheese (Emmentaler)

## 12 ORGANIC ACIDS

Igler A, Rauter W\*// \*Bundesanstalt Lebensmitteluntersuchung Salzburg, Schopperstr 13, A-5020 Salzburg, Austria  
*Z Lebensmittel-Untersuch Fors* 1996 **203** (3) 283

Capillary gas chromatography determination of synthetic DL-malic acid in products of fruit (German, English Abstract)

## 13 ANIMAL PRODUCTS

Valle M, Malle P, Bouquetel S// Ctr Natl Etud Vet & Alimentaires, Lab Etud Prod Peche, F-62200 Boulogne sur Mer, France  
*J AOAC Int* 1996 **79** (5) 1134

Liquid chromatographic determination of fish decomposition indexes from analyses of plaice, whiting, and herring

## 14 PLANT & MICROBIAL PRODUCTS

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