

# Bibliography of analytical food chemistry

## 1 BOOKS, REVIEWS & SYMPOSIA

Sotelo CG, Pineiro C, Gallardo JM, Perez-Martin RI// CSIC, Inst Invest Marinas, Eduardo Cabello 6, E-36208 Vigo, Spain  
*Trends Food Sci Technol* 1993 4 (12) 395  
Fish species identification in seafood products (Review)

## 3 AMINO ACIDS, PROTEINS & ENZYMES

De Castro MAM, Martin-Hernandez MC// \*CSIC, Inst Frio, Ciudad Univ, E-28040 Madrid, Spain  
*Z Lebensmittel-Untersuch Fors* 1994 198 (1) 20  
Determination of aminopeptidase activity in cheese

De Jong N, Visser S, Olieman C// \*Netherlands Inst Dairy Res, Dept Analyt Chem, POB 20, 6710 BA Ede, The Netherlands  
*J Chromatogr A* 1993 652 (1) 207  
Determination of milk proteins by capillary electrophoresis

Ellis HJ, Doyle AP, Wieser H, Sturgess RP, Day P, Ciclitira PJ// \*St Thomas Hosp, Rayne Inst, Lambeth Palace Rd, London SE1 7EH, England  
*J Biochem Biophys Meth* 1994 28 (1) 77  
Measurement of gluten using a monoclonal antibody to a sequenced peptide of  $\alpha$ -gliadin from the coeliac-activating domain I

Henle T, Walter AW, Klostermeyer H// Tech Univ Munich, Lehrstuhl Milchwissensch, Vottinger Str 45, D-85350 Freising, FRG  
*Z Lebensmittel-Untersuch Fors* 1994 198 (1) 66  
A simple method for the preparation of furosine and pyridosine reference material

Krebs SL, Grumet R// \*Michigan State Univ, Dept Hort, East Lansing, MI 48824, USA  
*Plant Sci* 1993 93 (1-2) 31  
Affinity purification and characterization of a  $\beta$ -1,3-glucanase from celery

Maeda S, Morikawa A, Tokuyama K, Kuroume T// Gunma Univ, Sch Med, Dept Paediat, 3-39-15 Showamachi, Maebashi, Gunma 371, Japan  
*Acta Paediat* 1993 82 (12) 1012  
The concentration of bovine IgG in human breast milk measured using different methods

Orsi F, Laszity R// Tech Univ Budapest, Dept Biochem & Food Technol, PF 91, H-1521 Budapest, Hungary  
*Acta Aliment* 1993 22 (2) 107  
Comparative study of proteins of some rye and triticale cultivars grown in Hungary, using HPGLC

Pellerin P, Waters E, Brillouet JM// INRA, Inst Prod Vigne, Lab Polym & Tech Physico-Chim, 2 Pl Viala, F-34060 Montpellier 1, France  
*Carbohydr Polym* 1993 22 (3) 187  
Characterization of 2 arabinogalactan-proteins from red wine

Picard B, Leger J, Robelin J// INRA, UR Croissance Musculaire, Croissance & Metab Herbivores Lab, F-63122 St Genes Champane, France  
*Meat Sci* 1994 36 (3) 333  
Quantitative determination of type I myosin heavy chain in bovine muscle with anti-myosin monoclonal antibodies

## 4 CARBOHYDRATES

Coquet A, Haerdi W, Agosti RD, Veuthey JL// \*Univ Geneva, Dept Pharmaceut Analyt Chem, Quai Ernest Ansermet 30, CH-1211 Geneva 4, Switzerland  
*Chromatographia* 1994 38 (1-2) 12  
Determination of sugars by liquid chromatography with post-column catalytic derivatization and fluorescence detection

Hsieh YS, Crouch SR// \*Michigan State Univ, Dept Chem, East Lansing, MI 48824, USA  
*Anal Chim Acta* 1993 284 (1) 159  
Stopped-flow, air-segmented continuous flow: Kinetic determination of glucose and phosphate in wine and serum samples

Vaccari G, Godshall MA, Nemeth M// Univ Ferrara, via L Borsari 46, I-44100 Ferrara, Italy  
*Zuckerindustrie* 1993 118 (12) 938  
ICUMSA collaborative tests. 1. Determination of moisture content of raw cane sugar having a moisture content of less than 0.5%. 2. Determination of dry substance content of cane and beet molasses by vacuum oven drying on sand method

## 5 LIPIDS

Brumback TB, Hazebroek J, Lamb D, Danielson L, Orman B// Pioneer Hi Bred Int Inc, Dept Data Management, Div Plant Breeding, 7250 NW 62nd Ave, Johnston, IA 50131, USA  
*Chemometr Intell Lab Syst* 1993 21 (2-3) 215  
Automating fatty acid analyses from seeds: From field samples to databases

Damiani P, Santinelli F, Magnarini C, Cossignani L, Simonetti MS// Univ Perugia, Fac Farm, Ist Chim Bromatol, I-06126 Perugia, Italy  
*J Chromatogr Sci* 1994 32 (1) 21  
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Koussissis SG, Semidalas CE, Antonopoulou S, Kapoulas V, Demopoulos CA\*, Kalyvas V// \*Natl Univ Athens, Dept Chem, Panepistimioupoli, GR-15771 Athens, Greece  
*Rev Fr Corps Gras* 1993 40 (9-10) 323  
PAF antagonists in foods: Isolation and identification of PAF antagonists in virgin olive oil

Li XY, Chow CK// \*Univ Kentucky, Dept Nutr & Food Sci, 219 Funkhouser Bldg, Lexington, Ky 40506, USA  
*Lipids* 1994 29 (1) 73  
An improved method for the measurement of malondialdehyde in biological samples

Mannino S, Cosio MS, Wang J// Univ Milan, Dept Microbiol & Food Sci, via Celoria 2, I-20133 Milan, Italy  
*Anal Lett* 1994 27 (2) 299  
Determination of peroxide value in vegetable oils by an organic-phase enzyme electrode

Medina I, Aubourg SP, Martin RIP// CSIC, Inst Invest Marinas, Eduardo

As a service to subscribers of Food Chemistry, this bibliography contains newly published material in the field of analytical food chemistry. 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.

Cabello 6, E-36208 Vigo, Spain  
*J Agr Food Chem* 1993 **41** (12) 2395  
 Analysis of 1-O-alk-1-enylglycerophospholipids of albacore tuna (*Thunnus alalunga*) and their alterations during thermal processing

Nikolova-Damyanova B, Christie WW\*, Herslof BG// \*Scottish Crop Res Inst, Dundee DD2 5DA, Scotland  
*J Chromatogr A* 1993 **653** (1) 15  
 High-performance liquid chromatography of fatty acid derivatives in the combined silver ion and reversed-phase modes

Park B, Whittaker AD, Miller RK, Bray DE// Texas A&M Univ, Dept Agr Engr, Coll Stn, Tx 77843, USA  
*J Anim Sci* 1994 **72** (1) 117  
 Measuring intramuscular fat in beef ultrasonic frequency analysis

Petersson B, Podlaha O, Jirskog-Hed B// Karlshamns, Dept Analyt, S-37482 Karlshamn, Sweden  
*J Chromatogr A* 1993 **653** (1) 25  
 Triacylglycerol analysis of partially hydrogenated fats using high-performance liquid chromatography

Toschi TG, Christie WW, Conte LS// Univ Bologna, Ist Ind Agrarie, via S Giacomo 7, I-40126 Bologna, Italy  
*J High Res Chromatogr* 1993 **16** (12) 725  
 Capillary gas chromatography combined with high-performance liquid chromatography for the structural analysis of olive oil triacylglycerols

## 6 VITAMINS & CO-FACTORS

Chartier A, Georges J\*// \*Lab Sci Analyt, Bat 308, 43 Blvd 11 Novembre 1918, F-69922 Villeurbanne, France  
*Anal Chim Acta* 1993 **284** (2) 311  
 Liquid chromatographic determination of carotenoids using dual-beam continuous-wave laser thermal lens detection

Diaz AN, Paniagua AG, Sanchez FG// Univ Malaga, Fac Ciencias, Dept Quim Anal, Malaga, Spain  
*J Chromatogr A* 1993 **655** (1) 39  
 Thin-layer chromatography and fibre-optic fluorimetric quantitation of thiamine, riboflavin and niacin

Felton SP, Grace R, Halver JE// Univ Washington, Sch Fisheries, Seattle, Wa 98195, USA  
*J Liq Chromatogr* 1994 **17** (1) 123  
 A non-ion-pairing HPLC method for measuring new forms of ascorbate and ascorbic acid

Iwase H, Ono I// Ajinomoto Co Inc, Cent Res Labs, Kawasaki ku, 1-1 Suzuki cho, Kawasaki, Kanagawa 210, Japan  
*J Chromatogr A* 1993 **654** (2) 215  
 Determination of ascorbic acid and dehydroascorbic acid in juices by high-performance liquid chromatography with electrochemical detection using L-cysteine as precolumn reductant

Jegle U// Hewlett Packard GmbH, Waldbronn Analyt Div, Hewlett Packard Str 8, D-76337 Waldbronn, FRG  
*J Chromatogr A* 1993 **652** (2) 495  
 Separation of water-soluble vitamins via high-performance capillary electrophoresis

Przyjazny A, Hentz NG, Bachas LG\*// \*Univ Kentucky, Dept Chem, Lexington, Ky 40506, USA  
*J Chromatogr A* 1993 **654** (1) 79  
 Sensitive and selective liquid chromatographic postcolumn reaction detection system for biotin and biocytin using a homogeneous fluorophore-linked assay

## 7 TRACE ELEMENTS & MINERALS

Aziz-Alrahman AM// King Saud Univ, Coll Sci, Dept Chem, Riyadh 11451, Saudi Arabia  
*Anal Lett* 1994 **27** (2) 411

An ion exchange separation atomic absorption spectrophotometric method for the determination of microgram quantities of copper, iron and zinc in infant milk formula: Powder form

Krushevska A, Barnes RM\*// \*Univ Massachusetts, Dept Chem, Lederle Grad Res Ctr Tower, Amherst, Ma 01003, USA  
*Analyst* 1994 **119** (1) 131

Inductively coupled plasma atomic emission spectrometric determination of aluminium, barium, silicon, strontium and titanium in food after sample fusion

Larsen EH, Hansen SH// Natl Food Agcy, Inst Food Chem & Nutr, 19 Morkhoj Bygade, DK-2860 Soborg, Denmark  
*J Anal Atom Spectrom* 1993 **8** (8) 1075

Arsenic speciation in seafood samples with emphasis on minor constituents: An investigation using high-performance liquid chromatography with detection by inductively coupled plasma mass spectrometry

Maties R, Jimenez F, Roman M, Arias JJ\*// \*Univ La Laguna, Fac Chem, Dept Analyt Chem Food Sci & Toxicol, E-38204 La Laguna, Spain  
*Anal Lett* 1994 **27** (1) 131

Spectrofluorimetric determination of magnesium traces in drinking water and blood serum with 1,2,4-trihydroxyanthraquinone

Tao H, Lam JWH, McLaren JW\*// \*Natl Res Council Canada, Inst Environm Chem, Ottawa, Ontario, Canada K1A 0R9  
*J Anal Atom Spectrom* 1993 **8** (8) 1067

Determination of selenium in marine certified reference materials by hydride generation inductively coupled plasma mass spectrometry

## 8 DRUG, BIOCIDES & PROCESSING RESIDUES

Arcos MT, Ancin MC\*, Echeverria JC, Gonzalez A, Garrido JJ// \*Univ Publ Navarra, Dept Quim, C Sadar s/n, E-31006 Pamplona, Spain  
*J Agr Food Chem* 1993 **41** (12) 2333  
 Study of liability of heavy metals in wines with different degrees of aging through differential pulse anodic stripping voltammetry

Atienza J, Jimenez JJ, Bernal JL, Martin MT// Serv Invest Agr Lab, PO 172, E-47080 Valladolid, Spain  
*J Chromatogr A* 1993 **655** (1) 95  
 Supercritical fluid extraction of fluvalinate residues in honey. Determination by high-performance liquid chromatography

Balint L, Vedrinaro-Dragojevic I, Horvatic M, Murati I// Univ Zagreb, Fac Pharm & Biochem, Dept Food Chem, Domagojeva 2, Zagreb 41000, Croatia  
*Z Lebensmittel-Untersuch Fors* 1994 **198** (1) 29  
 Spectrofluorometric method for determination of the total mercury content in natural waters

Berger TA// Hewlett Packard Corp, 2850 Centerville Rd, Wilmington, De 19808, USA  
*J Chromatogr Sci* 1994 **32** (1) 25  
 Separation of phenylurea herbicides by packed column supercritical fluid chromatography

Dickson PH, Lind A, Studts P, Nipper HC, Makoid M, Therikildsen D// Creighton Univ, Sch Med, Dept Pathol, Omaha, Ne, USA  
*J Forensic Sci* 1994 **39** (1) 207  
 The routine analysis of breast milk for drugs of abuse in a clinical toxicology laboratory

Horii S// Tokyo Metropolitan Res Lab Publ Hlth, Shinjuku ku, 24-1 Hyakunincho 3 chome, Tokyo 169, Japan  
*J Liq Chromatogr* 1994 **17** (1) 213  
 Liquid chromatographic determination of oxy- and chlortetracycline residues in animal tissues

Itak JA, Selisker MY, Jourdan SW, Fleeker JR, Herzog DP// Omicron Corp, 375 Pheasant Run, Newtown, Pa 18940, USA  
*J Agr Food Chem* 1993 **41** (12) 2329  
 Determination of benomyl (as carbendazim) and carbendazim in water,

soil, and fruit juice by a magnetic particle-based immunoassay

Kim IS, Wakabayashi K\*, Kurosaka R, Yamaizumi Z, Jinno F, Koyota S, Tada A, Nukaya H, Takahashi M, Sugimura T, Nagao M// \*Natl Canc Ctr, Res Inst, Div Carcinogenesis, Chuo ku, 1-1 Tsukiji 5 chome, Tokyo 104, Japan

*Carcinogenesis* 1994 **15** (1) 21

Isolation and identification of a new mutagen, 2 amino-4-hydroxymethyl-3,8-dimethylimidazo[4,5-f] quinoxaline (4-CH<sub>2</sub>OH-8-MeIQx), from beef extract

Lagana A, Fago G, Marion A, Pardo-Martinez B// Univ Roma La Sapienza, Dept Chem, Piazzale Aldo Moro 5, I-00185 Rome, Italy

*Chromatographia* 1994 **38** (1-2) 88

Rapid method for determination of phenylurea herbicides in milk

Mes J, Arnold DL, Bryce F// Hlth & Welf Canada, Hlth Protect Branch, Food Directorate, Bur Chem Safety, Div Food Res, Ottawa, Ontario, Canada K1A 0L2

*J Anal Toxicol* 1994 **18** (1) 29

Determination of polychlorinated biphenyls in postpartum blood, adipose tissue, and milk from female rhesus monkeys and their offspring after prolonged dosing with Aroclor® 1254

Mortimer RD, Weber DF// Hlth & Welf Canada, Hlth Protect Branch, Bur Chem Safety, Food Directorate, Div Food Res, Ottawa, Ontario, Canada K1A 0L2

*Pestic Sci* 1994 **40** (1) 31

Some comments on a recently proposed method of determining chloroquat residues by derivatization with pentafluorothiophenol

Rahman MS, Bowadt S, Larsen B// Bangladesh Atom Energy Commiss, Inst Food & Radiat Biol, POB 3787, Dhaka 2, Bangladesh

*J High Res Chromatogr* 1993 **16** (12) 731

Dual-column GC analysis of Mediterranean fish for ten organochlorine pesticides and 62 chlorobiphenyls

Schwack W, Nyanzi S// Univ Karlsruhe, Inst Lebensmittelchem, Kaiserstr 12, D-76128 Karlsruhe, FRG

*Z Lebensmittel-Untersuch Fors* 1994 **198** (1) 3

Analysis of dithiocarbamate fungicides: Second-derivative UV-spectroscopic determination of Cs<sub>2</sub>, COS, and thiram (TMTD)

Schwack W, Nyanzi S// Univ Karlsruhe, Inst Lebensmittelchem, Kaiserstr 12, D-76128 Karlsruhe, FRG

*Z Lebensmittel-Untersuch Fors* 1994 **198** (1) 8

Analysis of dithiocarbamate fungicides: Reaction products of the thiuram disulphide fungicide thiram (TMTD) during acid hydrolysis

Stan HJ, Schwarzer F// Tech Univ Berlin, Inst Food Chem, Gustav Meyer Allee 25, D-13355 Berlin, FRG

*J Chromatogr A* 1993 **653** (1) 45

Automated recognition of target compounds at low levels in environmental samples by means of capillary gas chromatography-mass spectrometry with dedicated mass spectral libraries and the macro program AUTARG. 1. Description of the macro program AUTARG

Stan HJ, Heberer T// Tech Univ Berlin, Inst Food Chem, Gustav Meyer Allee 25, D-13355 Berlin, FRG

*J Chromatogr A* 1993 **653** (1) 55

Automated recognition of target compounds at low levels in environmental samples by means of capillary gas chromatography-mass spectrometry with dedicated mass spectral libraries and the macro program AUTARG. 2. Application to pesticides in groundwater samples

Valverde-Garcia A, Gonzalez-Pradas E, Real AAD// Univ Almeria, Fac Ciencias Exptl, Dept Quim Inorgan, E-04071 Almeria, Spain

*J Agr Food Chem* 1993 **41** (12) 2319

Analysis of buprofezin residues in vegetables. Application to the degradation study on eggplant grown in a greenhouse

Wigfield YY, McCormack KA, Grant R// Agr Canada, Food Prod & Inspect Branch, Div Lab Serv, Ottawa, Ontario, Canada K1A 0C6

*J Agr Food Chem* 1993 **41** (12) 2315

Simultaneous determination of residues of paraquat and diquat in potatoes using high-performance capillary electrophoresis with ultraviolet detection

## 9 TOXINS

Barna-Vetro T, Gyongyosi A, Solti L\*// \*Agr Biotechnoccl Ctr, Inst Anim Sci, Szent Gyorgyl Albert u 4, POB 411, H-2101 Godollo, Hungary

*Appl Environ Microbiol* 1994 **60** (2) 729

Monoclonal antibody-based enzyme-linked immunosorbent assay of *Fusarium* T-2 and zearalenone toxins in cereals

Ferreira F, Moyna P\*, Soule S, Vazquez A// \*Fac Quim Montevideo, Catedra Farmacognosia & Prod Nat, Avenida Gen Flores 2124, CC 1157, Montevideo, Uruguay

*J Chromatogr A* 1993 **653** (2) 380

Rapid determination of *Solanum* glycoalkaloids by thin-layer chromatographic scanning

Joshua H// Aura Ind Inc, POB 898, Staten Isl, NY 10314, USA

*J Chromatogr A* 1993 **654** (2) 247

Determination of aflatoxins by reversed-phase high performance liquid chromatography with post-column in-line photochemical derivatization and fluorescence detection

Ma YF, Meyer KG, Afzal D, Agena EA// NE Missouri State Univ, Div Sci, Kirksville, Mo 63501, USA

*J Chromatogr A* 1993 **652** (2) 535

Isolation and quantification of ergovaline from *Festuca arundinacea* (tall fescue) infected with the fungus *Acremonium coenophialum* by high-performance capillary electrophoresis

Park CE, Akhtar M, Rayman MK// Hlth & Welf Canada, Banting Res Ctr, Div Microbiol Res, Bur Microbial Hazards, Tunneys Pasture, Ottawa, Ontario, Canada K1A 0L2

*Appl Environ Microbiol* 1994 **60** (2) 677

Evaluation of a commercial enzyme immunoassay kit (RIDASCREEN) for detection of staphylococcal enterotoxins A, B, C, D, and E in foods

TePaske MR, Powell RG\*, Clement SL// Natl Ctr Agr Utilizat Res, Agr Res Serv, Bioact Constituents Res Unit, 1815 Nth Univ St, Peoria, IL 61604, USA

*J Agr Food Chem* 1993 **41** (12) 2299

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Thakur RA, Smith JS\*// \*Kansas State Univ Agr & Appl Sci, Dept Anim Sci & Ind, Call Hall, Manhattan, Ks 66506, USA

*Rapid Commun Mass Spectrom* 1994 **8** (1) 82

Analysis of fumonisin B<sub>1</sub> by negative-ion thermospray mass spectrometry

Young JC, Games DE// Agr Canada, Plant Res Ctr, Ottawa, Ontario, Canada K1A 0C6

*J Chromatogr A* 1993 **653** (2) 374

Analysis of *Fusarium* mycotoxins by supercritical fluid chromatography with ultraviolet or mass spectrometric detection

## 10 ADDITIVES

Ensafi AA, Keyvanfard M// Isfahan Univ Technol, Coll Chem, Esfahan, Iran

*Anal Lett* 1994 **27** (1) 169

Selective kinetic spectrophotometric determination of nitrite in food and water

Zeng W, Wang P, Zhang HZ, Tong SY// Beijing Univ, Dept Chem, Beijing 100871, Peoples Rep China

*Anal Chim Acta* 1993 **284** (2) 445

Qualitative and quantitative analyses of synthetic pigments in foods by using the branch and bound algorithm

## 11 FLAVOURS & AROMAS

Betts TJ// Curtin Univ Technol, Sch Pharm, POB U1987, Perth, WA 6000, Australia

*J Chromatogr A* 1993 **653** (1) 167

Potential of three different  $\alpha$ -cyclodextrin modifications for the gas chromatographic evaluation of constituents of volatile oils

Bicchi CP, Binello AE, Legovich MM, Pellegrino GM, Vanni AC// Dipt Sci & Tecnol Farmaco, via P Giuria 9, I-10125 Turin, Italy  
*J Agr Food Chem* 1993 **41** (12) 2324

Characterization of roasted coffee by S-HSGC and HPLC-UV and principal component analysis

Martineau B, Acree T, Henick-Kling T\*// \*Cornell Univ, Dept Food Sci & Technol, Geneva, NY 14456, USA  
*Biotechnol Techniques* 1994 **8** (1) 7

A simple and accurate GC/MS method for the quantitative analysis of diacetyl in beer and wine

Poole SK, Poole CF\*// \*Wayne State Univ, Dept Chem, Detroit, MI 48202, USA  
*Analyst* 1994 **119** (1) 113

Thin-layer chromatographic method for the determination of the principal polar aromatic flavour compounds of the cinnamons of commerce

Vallejo-Cordoba B, Nakai S\*// \*Fac Agr Sci Vancouver, Dept Food Sci, 6650 NW Marine Dr, Vancouver, Brit Columbia, Canada V6T 1Z4  
*J Agr Food Chem* 1993 **41** (12) 2378

Using a simultaneous factor optimization approach for the detection of volatiles in milk by dynamic headspace gas chromatographic analysis

Yamaguchi M, Ishida J, Zhu XX, Nakamura M, Yoshitake Y// Fukuoka Univ, Fac Pharmaceut Sci, Johnan ku, Nanakuma 81401, Japan  
*J Liq Chromatogr* 1994 **17** (1) 203

Determination of glyoxal, methylglyoxal, diacetyl, and 2,3-pentanedione in fermented foods by high-performance liquid chromatography with fluorescence detection

## 12 ORGANIC ACIDS

Camara MM, Diez C, Torija ME, Cano MP// Univ Complutense Madrid, Fac Farm, Dept Bromatol & Tecn Analit Farmaceut, Ciudad Univ s/n, E-28040 Madrid, Spain

*Z Lebensmittel-Untersuch Fors* 1994 **198** (1) 52

HPLC determination of organic acids in pineapple juices and nectars

Dirksen G, Breitner W// Vet Str 13, D-80539 Munich, FRG  
*J Vet Med A-Zbl Vet A-Physiol* 1993 **40** (9-10) 779

A new quick test for semiquantitative determination of  $\beta$ -hydroxybutyric acid in bovine milk

Lalljie SPD, Vindevogel J\*, Sandra P// \*State Univ Ghent, Dept Organ Chem, Krijgslaan 281 S4, B-9000 Ghent, Belgium  
*J Chromatogr A* 1993 **652** (2) 563

Quantitation of organic acids in sugar refinery juices with capillary zone electrophoresis and indirect UV detection

Romero EG, Munoz GS\*, Alvarez PJM, Ibanez MDC// \*Consejeria Agr Castilla La Mancha, Estac Viticultura & Enol, Carretera Torrenueva s/n, E-13300 Valdepenas, Spain

*J Chromatogr A* 1993 **655** (1) 111

Determination of organic acids in grape musts, wines and vinegars by high-performance liquid chromatography

## 13 ANIMAL PRODUCTS

Bout M, De Meulemester C\*// \*Ctr Technique Salaison Charcuterie & Conserves Viandes, 7 Ave Gen de Gaulle, F-94700 Maisons Alfort, France

*Rec Med Vet* 1993 **169** (10) 791

Identification of animal species in meat products (French, English Abstract)

Delgado C, Tomas-Barberan FA, Talou T, Gaset A// ENSCT, INPT, Chim Agroresources Lab, 118 Rte Narbonne, F-31077 Toulouse, France  
*Chromatographia* 1994 **38** (1-2) 71

Capillary electrophoresis as an alternative to HPLC for determination of

honey flavonoids

Luinge HJ, Hop E, Lutz ETG, Van Hemert JA, De Jong EAM// Univ Utrecht, POB 80083, 3508 TB Utrecht, The Netherlands  
*Anal Chim Acta* 1993 **284** (2) 419

Determination of the fat, protein and lactose content of milk using Fourier transform infrared spectrometry

Tellier C, Mariette F, Guillement JP, Marchal P// Lab RMN React Chim, CNRS, URA 472, 2 rue Houssiniere, F-44072 Nantes 03, France  
*J Agr Food Chem* 1993 **41** (12) 2259

Evolution of water proton nuclear magnetic relaxation during milk coagulation and syneresis: Structural implications

Tsuruga T, Ito T\*, Kanda M, Niwa S, Kitazaki T, Okugawa T, Hatao S// \*Kyushu Univ, Fac Agr, Chem & Technol, Anim Prod Lab, Fukuoka 812, Japan  
*Meat Sci* 1994 **36** (3) 423

Analysis of meat pigments with tissue spectrophotometer TS-200

Winquist F, Hornsten EG, Sundgren H, Lundstrom I// Linkoping Univ, Appl Phys Lab, S-58183 Linkoping, Sweden  
*Meas Sci Technol* 1993 **4** (12) 1493

Performance of an electronic nose for quality estimation of ground meat

## 14 PLANT & MICROBIAL PRODUCTS

Bernwiesser I, Patzold R, Galensa R, Sontag G\*// \*Univ Vienna, Inst Analyt Chem, Währinger Str 38, A-1090 Vienna, Austria  
*Z Lebensmittel-Untersuch Fors* 1994 **198** (1) 40

HPLC with coulometric electrode array detection: Determination of 1-*o*-trans-*p*-coumaroylglycerol in sorghum, maize and beer (German)

Bjergegaard C, Michaelsen S, Mortensen K, Sorensen H\*// \*Royal Vet & Agr Univ, Dept Chem, 40 Thorvaldsensvej, DK-1871 Frederiksberg C, Denmark

*J Chromatogr A* 1993 **652** (2) 477

Determination of flavonoids by micellar electrokinetic capillary chromatography

Canalon PF, Bryan CR// Florida Dept Citrus, 700 Expt Stn Rd, Lake Alfred, FL 33850, USA

*J Chromatogr A* 1993 **652** (2) 555

Use of capillary electrophoresis for monitoring citrus juice composition

Lurie S, Ronen R, Meier S// Agr Res Org, Volcani Ctr, Dept Fruit & Vegetable Storage, IL-50250 Bet Dagan, Israel

*J Amer Soc Hort Sci* 1994 **119** (1) 59

Determining chilling injury induction in green peppers using nondestructive pulse amplitude modulated (PAM) fluorometry

Marques CD, Hellin LC, Ruiz LG\*, Revilla AZ// \*Univ Complutense, Fac Bromatol Farm, Dept Nutr & Bromatol 2, E-28040 Madrid, Spain

*Z Lebensmittel-Untersuch Fors* 1994 **198** (1) 60

Analytical study of apple liqueurs

Riganakos KA, Kontominas MG\*// \*Univ Ioannina, Dept Chem, GR-45110 Ioannina, Greece

*Z Lebensmittel-Untersuch Fors* 1994 **198** (1) 47

GC study of the effect of specific heat treatment on water sorption by wheat and soy flour

Rigaud J, Escribano-Bailon MT, Prieur C, Souquet JM, Cheynier V// INRA, Inst Prod Vigne, Polymeres & Tech Physicochim Lab, 2 Pl Viala, F-34060 Montpellier, France

*J Chromatogr A* 1993 **654** (2) 255

Normal-phase high-performance liquid chromatographic separation of procyanidins from cacao beans and grape seeds

Vogels JTWE, Tas AC, Van den Berg F, Van der Greef J// TNO, POB 360, 3700 AJ Zeist, The Netherlands

*Chemometr Intell Lab Syst* 1993 **21** (2-3) 249

A new method for classification of wines based on proton and <sup>13</sup>C NMR spectroscopy in combination with pattern recognition techniques