ELSEVIER

Food Chemistry 73 (2001) 385–391

Food Chemistry

www.elsevier.com/locate/foodchem

Bibliography of analytical, nutritional and clinical methods

(7 weeks journals. Search completed at 14th. Feb. 2001)

1. Books, reviews & symposia

Brainina KZ, Malakhova NA, Stojko NY// Ural State Econ Univ, 8th March St 62, RU-620219 Ekaterinburg, Russia
Fresenius J Anal Chem 2000 **368** (4) 307
Stripping voltammetry in environmental and food analysis (Review)

Efstratiadis MM, Karirti AC*, Arvanitoyannis IS// *Aristotelian Univ, Fac Agr, Dept Food Sci & Technol, Lab Food Chem & Biochem, Box 265, GR-54006 Thessaloniki, Greece
Int J Food Sci Nutr 2000 **51** (6) 459
Implementation of ISO 9000 to the food industry: An overview

Ledoux M, Laloux L, Wolff RL// AFSSA, Unite Qual Lait & Anal Sensorielles, 10 rue Pierre Curie, FR-94704 Maisons Alfort, France
Analusis 2000 **28** (5) 402
Analytical methods for determination of *trans*-C18 fatty acid isomers in milk fat (Review)

Lockley AK, Bardsley RG// Univ Nottingham, Sch Biosci, Sutton Bonington Campus, Loughborough LE12 5RD, England
Trends Food Sci Technol 2000 **11** (2) 67
DNA-based methods for food authentication (Review)

Minunni M, Mascini M, Cozzani I// Univ Florence, Dipt Sanita Pubbl Epidemiol & Chim Analit, Via G Capponi 9, IT-50121 Florence, Italy
Anal Lett 2000 **33** (15) 3093
Screening methodologies for genetic modified organisms (GMOs) (Mini-Review)

2. General

Canac-Arteaga D, Viallon C, Berdague JL*// *INRA, Stn Rech Viande, Lab Flaveur, FR-63122 Ceyrat, France
Analusis 2000 **28** (6) 550
Analytical artifacts caused by the presence of water vapor in the headspace of food products

Papadakis SE, Abdul-Malek S, Kamdem RE, Yam KL*// *Rutgers State Univ, Dept Food Sci, New Brunswick, NJ 08901, USA
Food Technol 2000 **54** (12) 48
A versatile and inexpensive technique for measuring color of foods

3. Amino acids, proteins & enzymes

Alberti E, Humpfer E, Spraul M, Gilbert SM, Tatham AS, Shewry PR, Gil AM*// *Univ Aveiro, Dept Chem, PT-3800 Aveiro, Portugal
Biopolymers 2001 **58** (1) 33
A high resolution ^{1}H magic angle spinning NMR study of high-M_r subunit of wheat glutenin

Bossier P, Cooreman K// Minist Middenstand & Landbouw, Ctr Landbouwkundig Obderzoek Gent, Dept Zeevisserij, Ankerstr 1, BE-8400 Oostende, Belgium
Int J Food Sci Technol 2000 **35** (6) 563
A databank able to be used for identifying and authenticating commercial flatfish (Pleuronectiformes) products at the species level using isoelectric focusing of native muscle proteins

Herbert P, Barros P, Ratola N, Alves A*// *Univ Oporto, Fac Engn, Dept Engn Quim, Rua Bragas, PT-4099 Oporto, Portugal
J Food Sci 2000 **65** (7) 1130
HPLC determination of amino acids in musts and port wine using OPA/FMOC derivatives

Hernandez-Herrero MM, Roig-Sagues AX, Lopez-Sabater EI, Rodriguez-Jerez JJ, Mora-Ventura MT// Univ Autonoma Barcelona, Fac Vet, Lab Higiene Inspeccio & Control Aliment, ES-08193 Barcelona, Spain
Eur Food Res Technol 2000 **212** (1) 26
SDS-PAGE of salted anchovies (*Engraulis encrasicholus* L) during the ripening process

Kristoffersen HE, Flengsrud R*// *Agr Univ Norway, Dept Chem & Biotechnol, POB 5040, NO-1432 As, Norway
Electrophoresis 2000 **21** (17) 3693
Separation and characterization of basic barley seed proteins

Marcovina SM, Albers JJ, Scanu AM, Kennedy H, Giaculli F, Berg K, Coudeerc R, Dati F, Rifai N, Sakurabayashi I, Tate JR, Steinmetz A// Univ Washington, Dept Med, NE Lipid Res Labs, 2121 Nth 35th St, Seattle, Wa 98103, USA
Clin Chem 2000 **46** (12) 1956
Use of a reference material proposed by the international federation of clinical chemistry and laboratory medicine to evaluate analytical methods for the determination of plasma lipoprotein(a)

Skerritt JH, Hill AS, Andrews JL// Australian Ctr Int Agr Res, R&D, GPO Box 1571, Canberra, ACT 2601, Australia
J Cereal Sci 2000 **32** (3) 259
Antigenicity of wheat prolamins: Detailed epitope analysis using a panel of monoclonal antibodies

Sotelo CG, Pineiro C, Perez-Martin RI, Gallardo JM// Inst Invest Marinas Punta Betin, Eduardo Cabello 6, ES-36208 Vigo, Spain
Eur Food Res Technol 2000 **211** (6) 443
Analysis of fish and squid myofibrillar proteins by capillary sodium dodecyl sulfate gel electrophoresis: Actin and myosin quantification

4. Carbohydrates

Deconinck TJM, Ciza A, Sinnaeve GM, Laloux JT, Thonart P// Ctr Rech Agron Gembloux, Dept Qualite, 24 Chaussee Namur, BE-5030 Gembloux, Belgium
Carbohydr Res 2000 **329** (4) 907
High-performance anion-exchange chromatography-DAD as a tool for the identification and quantification of oligogalacturonic acids in pectin depolymerisation

Fukushi E, Onodera S, Yamamori A, Shiomi N, Kawabata J// Hokkaido Univ, Grad Sch Agr, Kita 9 Nishi 9, Sapporo, Hokkaido 060 858, Japan
Magn Reson Chem 2000 **38** (12) 1005
NMR analysis of tri- and tetrasaccharides from asparagus

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.

PII: S0308-8146(01)00179-0

Giraudon S, Danzart M, Merle MH// Direct Gen Concurrence Consommat & Repress Fraude, Lab Interreg Montpellier, 205 rue Croix Verte, FR-34196 Montpellier 5, France
J AOAC Int 2000 **83** (6) 1401
Deuterium nuclear magnetic resonance spectroscopy and stable carbon isotope ratio analysis/mass spectrometry of certain monofloral honeys

Guemas Y, Boujtita M, El Murr N*// *Fac Sci & Tech, UPRESA CNRS 60-06, Lab Anal Isotop & Electrochim Metab, Grp Electrochim, FR-44322 Nantes 03, France
Appl Biochem Biotechnol 2000 **89** (2-3) 171
Biosensor for determination of glucose and sucrose in fruit juices by flow injection analysis

Heber CG, Patricia SP, Landy RB, Del Carmen DDDM// Univ Nacl Autonoma Mexico, Fac Quim, Programa Ingn Quim Ambiental, MX-04510 Mexico City, DF, Mexico
Int Sugar 2000 **102** (1223) 612
Sucrose in syrups of sugarcane mills, analytical methodologies validation using two types of polarimeter and a high pressure liquid chromatograph

Johnson TP// Sugar Cane Growers Cooperat Florida, Belle Glade, Fl 33430, USA
Int Sugar 2000 **102** (1223) 603
Cane juice analysis by near infrared (NIR) to determine grower payment

Murphy E, Hellerstein M// Univ Calif, Dept Nutr Sci & Toxicol, Berkeley, Ca 94720, USA
Nutr Rev 2000 **58** (10) 304
Is *in vivo* nuclear magnetic resonance spectroscopy currently a quantitative method for whole-body carbohydrate metabolism?

5. Lipids

Adhvaryu A, Erhan SZ, Liu ZS, Perez JM// USDA/ARS, 1815 Nth Univ St, Peoria, Il 61604, USA
Thermochim Acta 2000 **364** (1-2) 87
Oxidation kinetic studies of oils derived from unmodified and genetically modified vegetables using pressurized differential scanning calorimetry and nuclear magnetic resonance spectroscopy

Andreotti G, Trivellone E, Lamanna R, Di Luccia A, Motta A// Univ Salerno, Ist Nazl Fis Mat, Unit Ricerca Salerno, IT-84081 Baronissi, SA, Italy
J Dairy Sci 2000 **83** (11) 2432
Milk identification of different species: ^{13}C-NMR spectroscopy of triacylglycerols from cows and buffaloes' milks

Bairaktari E, Hatzidimou K, Tzallas C, Vini M, Katsaraki A, Tselepis A, Elisaf M, Tsolas O// Reg Univ Gen Hosp Ioannina, Biochem Lab, GR-45500 Ioannina, Greece
Clin Biochem 2000 **33** (7) 549
Estimation of LDL cholesterol based on the Friedewald formula and on apo B levels

Forato LA, Colnago LA*, Garratt RC, Lopes MA// *EMBRAPA Instrumentacao Agropecuaria, Rua 15 Novembro 1452, BR-13560-970 Sao Carlos, SP, Brazil
Biochim Biophys Acta 2000 **1543** (1) 106
Identification of free fatty acids in maize protein bodies and purified α zeins by ^{13}C and ^{1}H nuclear magnetic resonance

Fritsche J, Fritsche S, Solomon MB, Mossoba MM, Yurawecz MP, Morehouse K, ku Y// Unilever Res Labs, Oil Based Prod Technol, Oliver van Noortlaan 120, NL-3133 AT Vlaardingen, The Netherlands
Eur J Lipid Sci Technol 2000 **102** (11) 667
Quantitative determination of conjugated linoleic acid isomers in beef fat

Ham B, Butler B, Thionville P// Thionville Labs, 5440 Pepsi St, New Orleans, La 70123, USA
LC GC North Am 2000 **18** (11) 1174
Evaluating the isolation and quantification of sterols in seed oils by solid-phase extraction and capillary gas-liquid chromatography

Ishihara K, Murata M, Kaneniwa M, Saito H, Komatsu W, Shinohara K// Natl Res Inst Fisheries Sci, Marine Biochem Div, Kanazawa ku, 2-12-4 Fukuura, Yokohama, Kanagawa 236 864, Japan
Biosci Biotechnol Biochem 2000 **64** (11) 2454
Purification of stearidonic acid [18:4(*n*-3)] and hexadecatetraenoic acid [16:4(*n*-3)] from algal fatty acid with lipase and medium pressure liquid chromatography

Kyriakidis NB, Skarkalis P// Agr Univ Athens, Dept Food Sci & Technol, Iera Odos, GR-11855 Athens, Greece
J AOAC Int 2000 **83** (6) 1435
Fluorescence spectra measurement of olive oil and other vegetable oils

Nagy E, Czegledi-Janko J, Elias I, Kormendy L// Hungarian Meat Res Inst, Gubacsi ut 6-B, HU-1097 Budapest, Hungary
Acta Aliment 2000 **29** (4) 353
Rapid method for determining fat content in meat by using continuous wave nuclear magnetic resonance (CW-NMR) technique

Shimamoto J, Hasegawa K, Fujii H, Kawano S// Prefectural Fisheries Expt Stn, Shizuoka 425 0033, Japan
Nippon Suisan Gakkaishi 2000 **66** (6) 1059
Fat distribution in albacore and nondestructive determination of the fat content by near infrared (NIR) spectroscopy (Japanese, English Abstract)

Thomsen MK, Jacobsen C, Skibsted LH*// *Royal Vet & Agr Univ, Dept Dairy & Food Sci, Rolighedsvej 30, DK-1958 Frederiksberg C, Denmark
Eur Food Res Technol 2000 **211** (6) 381
Mechanism of initiation of oxidation in mayonnaise enriched with fish oil as studied by electron spin resonance spectroscopy

Vidal JC, Garcia-Ruiz E, Castillo JR// Univ Zaragoza, Fac Sci, Dept Analyt Chem, Analyt Spect & Sensors Grp, Plaza San Francisco s/n, ES-50009 Zaragoza, Spain
J Pharmaceut Biomed Anal 2000 **24** (1) 51
Strategies for the improvement of an amperometric cholesterol biosensor based on electropolymerization in flow systems: Use of charge-transfer mediators and platinization of the electrode

Wu JP, Kohler P// Gansu Agr Univ, CN-730070 Lanzhou, Peoples Rep China
Fleischwirtschaft 2000 **80** (11) 123
Estimation of fatty acid profiles in musculus longissimus dorsi of sheep: Comparative study of two fat extraction methods (German, English Abstract)

6. Vitamins & co-factors

Arya SP, Mahajan M, Jain P// Kurukshetra Univ, Dept Chem, IN-136119 Kurukshetra, Haryana, India
Ann Chim-Rome 2000 **90** (9-10) 621
Rapid determination of ascorbic acid using iron(III)-3-hydroxy-2-(2-thienyl)-4*H*-chromen-4-one complex

Carmel R, Brar S, Agrawal A, Penha PD// Methodist Hosp, Dept Med, Brooklyn, NY 11215, USA
Clin Chem 2000 **46** (12) 2017
Failure of assay to identify low cobalamin concentrations (Letter)

Cioffi N, Losito I, Terzano R, Zambonin CG// Univ Bari, Dipt Chim, 4 via E Orabona, IT-70126 Bari, Italy
Analyst 2000 **125** (12) 2244
An electrospray ionization ion trap mass spectrometric (ESI-MS-MS^n) study of dehydroascorbic acid hydrolysis at neutral pH

Emancipator K, Mansbach L*, Robert T, Waskiewicz D// *Bayer Corp, 333 Coney St, East Walpole, Ma 02032, USA
Clin Chem 2000 **46** (12) 2018
Failure of assay to identify low cobalamin concentrations (Representatives of Bayer Diagnostics response)

Florou AB, Prodromidis MI, Tzouwara-Karayanni SM, Karayannis MI*// *Univ Ioannina, Dept Chem, GR-45110 Ioannina, Greece
Anal Chim Acta 2000 **423** (1) 107
Fabrication and voltammetric study of lanthanum 2,6-dichlorophenolindophenol chemically modified screen printed electrodes. Application for the determination of ascorbic acid

Gama P, Casal S, Oliveira B*, Ferreira MA// *Univ Oporto, Fac Farm, Serv Bromatol, CEQUP, Rua Anibal Cunha, PT-4050-047 Oporto, Portugal
J Liq Chromatogr Relat Technol 2000 **23** (19) 3011
Development of an HPLC/diode-array/fluorimetric detector method for monitoring tocopherols and tocotrienols in edible oils

Ihara H, Ishigaki H, Shino Y, Hashizume N, Takase M, Nagao J, Sumiyama Y// Toho Univ, Ohashi Hosp, Sch Med, Dept Lab Med, Meguro ku, 2-17-6 Ohashi, Tokyo 153 8515, Japan
J Nutr Sci Vitaminol 2000 **46** (5) 257
Clinical and analytical evaluation of the simultaneous HPLC assay of retinol and α-tocopherol

Kolar M, Dobcnik D*, Radic N// *Univ Maribor, Fac Chem & Chem Engn,

Smetanova 17, SI-2000 Maribor, Slovenia
Pharmazie 2000 **55** (12) 913
Potentiometric flow-injection determination of vitamin C and glutathione with a chemically prepared tubular silver electrode

Li HB, Chen F*// *Univ Hong Kong, Dept Bot, Pokfulam Rd, Hong Kong, Peoples Rep China
Fresenius J Anal Chem 2000 **368** (8) 836
Determination of vitamin B_{12} in pharmaceutical preparations by a highly sensitive fluorimetric method

Muszalska I, Zajac M, Czajkowski K, Nogowska M// Karol Marcinkowski Univ Med Sci, Dept Pharmaceut Chem, 6 Grunwaldzka St, PL-60780 Poznan, Poland
Chem Anal 2000 **45** (6) 825
Simultaneous determination of paracetamol, caffeine, ascorbic acid and phenyl ephrine hydrochloride in pharmaceutical formulations by HPLC

Turkusic E, Milicevic V, Tahmiscija H, Vehabovic M, Basic S, Amidzic V// Univ Sarajevo, Fac Sci, Dept Chem, Zmaja Bosne 35, BA-71000 Sarajevo, Bosnia & Herzegovina
Fresenius J Anal Chem 2000 **368** (5) 466
Amperometric sensor for L-ascorbic acid determination based on MnO_2 bulk modified screen printed electrode

Veltsistas PG, Sikalos TI, Prodromidis MI, Papadimitriou CD, Karayannis MI*// *Univ Ioannina, Dept Chem, Analyt Chem Lab, GR-45110 Ioannina, Greece
Mikrochim Acta 2000 **135** (1-2) 113
Construction of a triphenyltetrazolium liquid membrane ion selective electrode and its analytical application to the assay of vitamin C

Wan ZJ, Yu JH, Wang G, Yang NJ// Hubei Normal Univ, Dept Chem, CN-435002 Huangshi, Peoples Rep China
Chem J Chinese Univ-Chinese 2000 **21** (11) 1651
Respective determination of ascorbic acid and dopamine by controlling potential sweeping on the polyalizarin red film modified electrode

Weiskopf AS, Vouros P*, Cunniff J, Binderup E, Bjorkling F, Binderup L, White MC, Posner GH// Northeastern Univ, Dept Chem, Boston, Ma 02115, USA
J Mass Spectrom 2001 **36** (1) 71
Examination of structurally selective derivatization of vitamin D_3 analogues by electrospray mass spectrometry

Wright AJA, Finglas PM, Southon S// Inst Food Res, Norwich Res Pk, Norwich NR4 7UA, England
Clin Chem 2000 **46** (12) 1978
Erythrocyte folate analysis: Saponin added during lysis of whole blood can increase apparent folate concentrations, depending on hemolysate pH

Zen JM, Tsai DM, Kumar AS, Dharuman V// Natl Chunghsing Univ, Dept Chem, Taichung 402, Taiwan
Electrochem Commun 2000 **2** (11) 782
Amperometric determination of ascorbic acid at a ferricyanide-doped Tosflex-modified electrode

Zhang GF, Chen HY// Nanjing Univ, Dept Chem, State Key Lab Coordinat Chem, CN-210093 Nanjing, Peoples Rep China
Anal Lett 2000 **33** (15) 3285
A sensitive photoinduced chemiluminescence method for the determination of riboflavin with flow injection analysis

7. Trace elements & minerals

Arain MA, Khuhawar MY*, Bhanger MI// *Univ Sindh, Inst Chem, Jamshoro, Pakistan
J Chem Soc Pakistan 1999 **21** (2) 137
Liquid chromatographic determination of selenium in vegetables and tea leaves as 2,1,3-benzoselenadiazole

Bechmann IE, Sturup S, Kristensen LV// Riso Natl Lab, Plant Biol & Biochem Dept, DK-4000 Roskilde, Denmark
Fresenius J Anal Chem 2000 **368** (7) 708
High resolution inductively coupled plasma mass spectrometry (HR-ICPMS) determination and multivariate evaluation of 10 trace elements in mussels from 7 sites in Limfjorden, Denmark

Bocca B, Alimonti A, Coni E, Di Pasquale M, Giglio L, Bocca AP, Caroli S*// *Ist Super Sanita, Appl Toxicol Lab, Viale Regina Elena 299, IT-00161 Rome, Italy
Talanta 2000 **53** (2) 295
Determination of the total content and binding pattern of elements in human milk by high performance liquid chromatography-inductively coupled plasma atomic emission spectrometry

Doner G, Akman S// Istanbul Tech Univ, Fac Sci & Letters, Dept Chem, TR-80626 Istanbul, Turkey
Anal Lett 2000 **33** (15) 3333
A comparison of sample preparation procedures for the determination of iron and zinc in bulgur wheat by graphite furnace atomic absorption spectrometry

Ekmekci G, Inam R, Somer G*// *Gazi Univ, Fen Edebiyat Fak, Kimya Bolumu, TR-06500, Ankara, Turkey
Anal Sci 2000 **16** (11) 1151
Differential pulse polarographic behavior of selenite and its application to determination of tin in canned food

Ferrarello CN, De la Campa MDF, Muniz CS, Sanz-Medel A*// *Univ Oviedo, Fac Chem, Dept Phys & Analyt Chem, Julian Claveria 8, ES-33006 Oviedo, Spain
Analyst 2000 **125** (12) 2223
Metal distribution patterns in the mussel *Mytilus edulis* cytosols using size-exclusion chromatography and double focusing ICP-MS detection

Haag MDM, Kelly JR, Ho A, Seccombe DW*// *Canadian Reference Lab, 307-2083 Alma St, Vancouver, Brit Columbia, Canada V6R 4N6
Clin Biochem 2000 **33** (6) 449
A study to examine the accuracy of potassium measurements in clinical laboratories across Canada

Julshamn K, Thorlacius A, Lea P// Directorate Fisheries, Inst Nutr, POB 185, NO-5804 Bergen, Norway
J AOAC Int 2000 **83** (6) 1423
Determination of arsenic in seafood by electrothermal atomic absorption spectrometry after microwave digestion: NMKL1 collaborative study

Legeai S, Georges J// Univ Lyon 1, Lab Sci Analyt, UMR 5619, Bat 308, FR-69622 Villeurbanne, France
Anal Lett 2000 **33** (15) 3153
Determination of iron in calf serum using bathophenanthroline and thermal lens spectrometry

Liu JF, Jiang GB*, Feng YD// *Chinese Acad Sci, Ecoenvironm Sci Res Ctr, CN-100085 Beijing, Peoples Rep China
J AOAC Int 2000 **83** (6) 1293
Flow injection spectrophotometric determination of copper, iron, manganese, and zinc in animal feeds using a common manifold

Makino T// Kanagawa Prefectural Coll Nursing & Med Technol, Dept Clin Chem, Asahi ku, 1-5-1 Nakao, Yokohama, Kanagawa 241 081, Japan
Bunseki Kagaku 2000 **49** (12) 921
Development of a colorimetric assay system of trace metals and proteins in serum using microtiter plates and sensitive reagents (Japanese)

Nair LV, Turel ZR// Inst Sci, Div Nucl Chem, 15 Madam Cama Rd, IN-400032 Bombay, India
J Radioanal Nucl Chem 2000 **243** (2) 563
Determination of macro, micro and ultra micro concentration of some elements in normal and diseased tissues of the bone by NAA employing ^{252}Cf and reactor neutrons

Niazi SB, Gill AA, Khokhar MY// Bahauddin Zakariya Univ, Dept Chem, Multan, Pakistan
J Chem Soc Pakistan 1999 **21** (4) 386
Flame atomic absorption spectrometric determination of lead in root vegetables after activated carbon enrichment

Nunez M, Pena RM, Herrero C, Garcia-Martin S*// *Santiago de Compostela, Fac Ciencias, Dept Quim Analit Nutr & Bromatol, ES-27002 Lugo, Spain
Analusis 2000 **28** (5) 432
Analysis of some metals in wine by means of capillary electrophoresis. Application to the differentiation of Ribeira Sacra Spanish red wines

Prohaska C, Pomazal K, Steffan I*// *Univ Vienna, Inst Analyt Chem, Waehringerstr 38, AU-1090 Vienna, Austria
Fresenius J Anal Chem 2000 **368** (6) 627
ETAAS method for the determination of Cd, Cr, Cu, Mn and Se in blood fractions and whole blood

Rahil-Khazen R, Henriksen H, Bolann BJ, Ulvik RJ*// *Haukeland Univ Hosp, Inst Clin Biochem, NO-5021 Bergen, Norway
Scand J Clin Lab Invest 2000 **60** (8) 677
Validation of inductively coupled plasma atomic emission spectrometry technique (ICP-AES) for multi-element analysis of trace elements in human serum

Seidel S, Kreutzer R, Smith D, McNeel S, Gilliss D// Calif Dept Hlth Serv, Environm Hlth Invest Branch, 1515 Clay St, Suite 1700, Oakland, Ca 94612, USA
JAMA 2001 **285** (1) 67
Assessment of commercial laboratories performing hair mineral analysis

Sun Y, Li H*// *Shenyang Pharmaceut Univ, Dept Pharmaceut Anal, CN-110015 Shenyang, Peoples Rep China
Analyst 2000 **125** (12) 2326
Determination of trace selenium in human plasma and hair with ternary inclusion compound-fluorescent spectrophotometry

Winkler W, Arenhovel-Pacula A// Silesian Univ, Inst Chem, Dept Analyt Chem, ul Szkolna 9, PL-40006 Katowice, Poland
Talanta 2000 **53** (2) 277
The use of phenylfluorone in the presence of cetylpyridinium chloride and Triton X-100 for the spectrophotometric determination of copper(II) in blood serum

Zhou MS, Guo DL// Shanxi Univ, Test & Anal Ctr, CN-030006 Taiyuan, Peoples Rep China
Microchem J 2000 **65** (3) 221
Simultaneous determination of chloride, nitrate and sulphate in vegetable samples by single-column ion chromatography

8. Drug, biocide & processing residues

Barwinkel D, Haufe J, Kroh LW// GLU, Rosa Luxemburg Damm 1, DE-15366 Berlin, Germany
Dtsch Lebensm-Rundsch 2000 **96** (11) 411
Methods for routine analysis of phthalates in food and environment (German, English Abstract)

Berger U, Oehme M*// *Univ Basel, Neuhausstr 31, CH-4057 Basel, Switzerland
J AOAC Int 2000 **83** (6) 1367
Identification of derivatives of bisphenol A diglycidyl ether and novolac glycidyl ether in can coatings by liquid chromatography/ion trap mass spectrometry

Choma IM// Marie Curie Sklodowska Univ, Dept Chem Phys & Physicochem Methods Separat, M Curie Sklodowska Sq 3, PL-20031 Lublin, Poland
J Planar Chromatogr Mod TLC 2000 **13** (4) 261
TLC determination of tetracyclines in milk

Dorthe AM, Ramberti JL, Thienpont A// Univ Bordeaux 1, Ecole Natl Super Chim & Phys Bordeaux, Ave Pey Berland, BP 108, FR-33402, Talence, France
Analusis 2000 **28** (7) 587
Experimental design optimization of chromatographic separation for polycyclic aromatic hydrocarbons in vegetable oils

Furusawa N// Osaka City Univ, Fac Human Life Sci, Osaka 558 8585, Japan
Fresenius J Anal Chem 2000 **368** (6) 624
Rapid liquid chromatographic determination of residual penicillin G in milk

Garcia-Falcon MS, Simal-Gandara J, Carril-Gonzalez-Barros ST// Univ Vigo, Fac Food Sci & Technol, Analyt & Food Chem Dept, Nutr & Bromatol Grp, Campus Ourense, ES-32004 Ourense, Spain
Food Addit Contam 2000 **17** (12) 957
Analysis of benzo[a] pyrene in spiked fatty foods by second derivative synchronous spectrofluorimetry after microwave-assisted treatment of samples

Hemmerling C, Maye A, Seidl G// Staatliches Vet & Lebensmittelluntersuchungsamt, Ringstr 1030, DE-15236 Frankfurt, Germany
Dtsch Lebensm-Rundsch 2000 **96** (12) 455
Residue analysis of cymiazole and total amitraz in honey using GC-MS and LC-MS-MS (German, English Abstract)

Inoue K, Kato K, Yoshimura Y, Makino T, Nakazawa H*// *Hoshi Univ, Fac Pharmaceut Sci, Dept Analyt Chem, Shinagawa ku, 2-4-41 Ebara, Tokyo 142, Japan
J Chromatogr B 2000 **749** (1) 17
Determination of bisphenol A in human serum of high-performance liquid chromatography with multi-electrode electrochemical detection

Ito M, Nagayama T, Takano I, Kobayashi M, Tamura Y, Tateishi Y, Kimura N, Kitayama K, Yasuda K// Tokyo Metropolitan Res Lab Publ Hlth, Shinjuku ku, 3-24-1 Hyakunin cho, Tokyo 169 0073, Japan
J Food Hyg Soc Jpn 2000 **41** (6) 371
Determination of cyclosulfamuron in agricultural products by HPLC (Japanese, English Abstract)

Katsoudas E, Abdelmesseh HH// US/FDA, NE Reg Lab, 1518-15 Liberty Ave, Jamaica, NY 11433, USA
J Food Prot 2000 **63** (12) 1758
Enzyme inhibition and enzyme-linked immunosorbent assay methods for carbamate pesticide residue analysis in fresh produce

Martel AC, Porthault E// Inst Super Agr Rhone Alpes, 31 Pl Bellecour, FR-69002 Lyon, France
J Liq Chromatogr Relat Technol 2000 **23** (19) 3043
Pesticide residues in raspberries and lettuce: Extraction and comparison of three chromatographic methods - HPLC, HPTLC, and GC

Matabudul DK, Conway B, Lumley ID// Lab Govt Chemist, Queen's Rd, Teddington TW11 0LY, England
Analyst 2000 **125** (12) 2196
A rapid method for the determination of lasalocid in animal tissues and eggs by high-performance liquid chromatography with fluorescence detection and confirmation by LC-MS-MS

McCracken RJ, Spence DE, Kennedy DG*// *Dept Agr & Rural Dev, Vet Sci Div, Stoney Rd, Belfast BT4 3SD, Northern Ireland
Food Addit Contam 2000 **17** (11) 907
Comparison of extraction techniques for the recovery of veterinary drug residues from animal tissues

Molina M, Silva M*// *Univ Cordoba, Fac Sci, Dept Analyt Chem & Ecol, Div Analyt Chem, ES-14004 Cordoba, Spain
Electrophoresis 2000 **21** (17) 3624
Rapid determination of fungicides in fruit juices by micellar electrokinetic chromatography: Use of organic modifiers to enhance selectivity and on-column high-salt stacking to improve sensitivity

Nemoto S, Takatsuki S, Sasaki K, Toyoda M// Natl Inst Hlth Sci, Setagaya ku, 1-18-1 Kamiyoga, Tokyo 158 8501, Japan
J Food Hyg Soc Jpn 2000 **41** (6) 377
Determination of nonylphenol in fish on the market (Japanese, English Abstract)

Okazaki S, Nakagawa H, Fukuda K, Asakura S, Kiuchi H, Shigemori T, Takahashi S// Yokohama Nalt Univ, Dept Mat Sci & Chem Engn, Hodogaya ku, Yokohama, Kanagawa 240 850, Japan
Sensor Actuator B-Chem 2000 **66** (1-3) 131
Re-activation of an amperometric organophosphate pesticide biosensor by 2-pyridinealdoxime methochloride

Oshima H, Ueno E, Saito I, Matsumoto H// Prefectural Inst Publ Hlth, Kita ku, 7-6 Nagare, Tsuji machi, Nagoya, Aichi 462 8576, Japan
J AOAC Int 2000 **83** (6) 1410
Determination of sodium azide in beverages by ion chromatography

Park JH, Hyun CK*, Jeong SK, Yi MA, Ji ST, Shin HK// *Handong Univ, Sch Biosci & Food Technol, Pohang 791940, Kyungbuk, South Korea
Int J Food Sci Technol 2000 **35** (6) 555
Use of single cell gel electrophoresis assay (Comet assay) as a technique for monitoring low-temperature treated and irradiated muscle tissue

Rauter W, Lintschinger J// Bundesanstalt Lebensmitteluntersuchung, Schopper Str 13, AU-5020 Salzburg, Austria
Dtsch Lebensm-Rundsch 2000 **96** (11) 417
Bisphenol F-diglycidylether (BFDGE) and derivatives in canned food: Synthesis and analysis (German, English Abstract)

Schneider MJ, Donoghue DJ// USDA/ARS, Eastern Reg Res Ctr, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA
J AOAC Int 2000 **83** (6) 1306
Multiresidue determination of fluoroquinolones in eggs

Stout SJ, Wickremesinhe E, Da Cunha AR, Khunachak A// Amer Cyanamid Co, Agr Prod Res Div, POB 400, Princeton, NJ, 08543, USA
J AOAC Int 2000 **83** (6) 1446
Confirmation of moxidectin residues in cattle fat by liquid chromatography/mass spectrometry

Sun Y, Wada M, Al Dirbashi O, Kuroda N, Nakazawa H, Nakashima K*// *Nagasaki Univ, Grad Sch Pharmaceut Sci, 1-14 Bunkyo machi, Nagasaki 852 8521, Japan
J Chromatogr B 2000 **749** (1) 49
High-performance liquid chromatography with peroxyoxalate chemiluminescence detection of bisphenol A migrated from polycarbonate baby bottles using 4-(45-diphenyl-1*H*-imidazol-2-yl)benzoyl chloride as a label

Takatsuki S, Nemoto S, Tsutsumi T, Sasaki K, Toyoda M// Natl Inst Hlth Sci, Setagaya ku, 1-18-1 Kamiyoga, Tokyo 158 8501, Japan
J Food Hyg Soc Jpn 2000 **41** (6) 381

Determination of acibenzolar-S-methyl and its degradation product in agricultural products by HPLC (Japanese, English Abstract)

Takeda N, Nishiumi H// Hyogo Prefectural Inst Publ Hlth, Hyogo ku, 2-1-29 Arata cho, Kobe, Hyogo 652 0032, Japan
J Food Hyg Soc Jpn 2000 **41** (6) 364
Determination of oxytetracycline in meat and fish using metal chelate resin for clean-up (Japanese, English Abstract)

Vollenbroker M, Eichner K// Univ Munster, Inst Food Chem, Corrensstr 45, DE-48149 Munster, Germany
Eur Food Res Technol 2000 **212** (1) 122
A new quick solid-phase extraction method for the quantification of heterocyclic aromatic amines

Wang Z, Hennion B, Urruty L, Montury M*// *Univ Bordeaux 1, CNRS, Lab Phys & Toxicochim Syst Nat, Equipe Perigourdine Chim Appl, BP 1043, FR-24001 Perigueux, France
Food Addit Contam 2000 **17** (11) 915
Solid-phase microextraction coupled with high performance liquid chromatography: A complementary technique to solid-phase microextraction-gas chromatography for the analysis of pesticide residues in strawberries

Weichbrodt M, Vetter W*, Luckas B// *Univ Jena, Lehrbereich Lebensmittelchem, Dornburger Str 25, DE-07743 Jena, Germany
J AOAC Int 2000 **83** (6) 1334
Microwave-assisted extraction and accelerated solvent extraction with ethyl acetate-cyclohexane before determination of organochlorines in fish tissue by gas chromatography with electron-capture detection

9. Toxins

Bodart P, Kabengera C, Noirfalise A, Hubert P, Angenot L// Univ Liege, Domaine Univ Sart-Tilman, BE-4000 Liege, Belgium
J AOAC Int 2000 **83** (6) 1468
Determination of α-solanine and α-chaconine in potatoes by high-performance thin-layer chromatography/densitometry

Entwisle AC, Williams AC, Mann PJ, Slack PT, Gilbert J// Leatherhead Food Res Assoc, Randalls Rd, Leatherhead KT22 7RY, England
J AOAC Int 2000 **83** (6) 1377
Liquid chromatographic method with immunoaffinity column cleanup for determination of ochratoxin A in barley: Collaborative study

Kawatsu K, Hamano Y, Noguchi T// Osaka Prefectural Inst Publ Hlth, Dept Food Microbiol, Higashinari ku, 1-3-69 Nakamichi, Osaka 537 0025, Japan
J AOAC Int 2000 **83** (6) 1384
Determination of domoic acid in Japanese mussels by enzyme immunoassay

Macaluso L, Lapeyre C// Agence Francaise Securite Sanitaire Aliments, 10 rue Pierre Curie, FR-94704, Maisons Alfort, France
Analusis 2000 **28** (7) 610
Characterisation of the staphylococcal enterotoxin research method in a dairy product

MacDonald S, Long M, Gilbert J, Felgueiras I// MAFF, Cent Sci Lab, York YO41 1LZ, England
J AOAC Int 2000 **83** (6) 1387
Liquid chromatographic method for determination of patulin in clear and cloudy apple juices and apple puree: Collaborative study

McElhiney J, Lawton LA*, Porter AJR// *Robert Gordon Univ, Sch Appl Sci, St Andrew St, Aberdeen AB25 1HG, Scotland
FEMS Microbiol Lett 2000 **193** (1) 83
Detection and quantification of microcystins (cyanobacterial hepatotoxins) with recombinant antibody fragments isolated from a naive human phage display library

Moraes LAB, Eberlin MN*, Cagnon JR, Urbano LH// *UNICAMP, Inst Chem, CP 6164, BR-13083-970 Campinas, SP, Brazil
Analyst 2000 **125** (9) 1529
A new method for the selective quantitation of cyanogenic glycosides by membrane introduction mass spectrometry

Simonovska B, Vovk I// Natl Inst Chem, Hajdrihova 19, POB 537, SI-1000 Ljubljana, Slovenia
J Chromatogr A 2000 **903** (1-2) 219
High-performance thin-layer chromatographic determination of potato glycoalkaloids

Su SC, Chou SS, Chang PC, Hwang DF*// *Natl Taiwan Ocean Univ, Dept Food Sci, 2 Pei Ning Rd, Chilung 202, Taiwan
J Chromatogr B 2000 **749** (2) 163
Determination of biogenic amines in fish implicated in food poisoning by micellar electrokinetic capillary chromatography

Ware GM, Price G, Carter L, Eitenmiller RR// US/FDA, SE Reg Lab, 60 8th St, Atlanta, Ga 30309, USA
J AOAC Int 2000 **83** (6) 1395
Liquid chromatographic preparative method for isolating ergot alkaloids, using a particle-loaded membrane extracting disk

10. Additives

Ferrarini R, Celotti E, Versari A*, Galassi S// *Univ Bologna, Fac Agr Sci & Tecnol Alimentari, via Ravennate 1020, IT-47023 Cesena, FC, Italy
Food Addit Contam 2000 **17** (12) 973
The determination of total SO2 in grape juice. A comparison among five methods

Gerasimov AV// All Russia Res Inst Food Flavours Acids & Colors, Liteinyi pr 55, RU-191104 St Petersburg, Russia
J Anal Chem Engl Tr 2000 **55** (12) 1161
Qualitative and quantitative treatment of thin-layer chromatograms of incompletely separated synthetic food colors

Hagiwara T, Yasuno T, Saito K// Tokyo Metropolitan Res Lab Publ Hlth, Shinjuku ku, 3-24-1 Hyakunin cho, Tokyo 169 0073, Japan
J Food Hyg Soc Jpn 2000 **41** (6) 397
Determination of total bromine in natural food additives (Japanese, English Abstract)

Leclerq C, Molinaro MG, Piccinelli R, Baldini M, Arcella D, Stacchini P// Natl Inst Food & Nutr Res, Rome, Italy
Food Addit Contam 2000 **17** (12) 979
Dietary intake exposure to sulphites in Italy: Analytical determination of sulphite-containing foods and their combination into standard meals for adults and children

Lomer MCE, Thompson RPH, Commisso J, Keen CL, Powell JJ*// *KCL, Dept Nutr & Dietet, Franklin Wilkins Bldg, 150 Stamford St, London SE1 8WA, England
Analyst 2000 **125** (12) 2339
Determination of titanium dioxide in foods using inductively coupled plasma optical emission spectrometry

Perez-Ponce A, Garrigues S, De la Guardia M*// *Univ Valencia, Dept Analyt Chem, 50 Dr Moliner St, ES-46100 Valencia, Spain
Quim Anal 2000 **19** (3) 151
Direct determination of total SO_2 in musts and wines by vapour phase Fourier transform infrared spectrometry

Perez-Ruiz T, Martinez-Lozano C, Sanz A, Bravo E// Univ Murcia, Fac Chem, Dept Analyt Chem, ES-30071 Murcia, Spain
Chromatographia 2000 **52** (9-10) 599
Analysis of glutamate in beverages and foodstuffs by capillary electrophoresis with laser-induced fluorescence detection

Tredoux AGJ, Lauer HH, Heideman T, Sandra P*// *Univ Stellenbosch, Dept Chem, Private Bag 11, ZA-7602 Stellenbosch, Rep Sth Africa
J High Res Chromatogr 2000 **23** (11) 644
The determination of benzoic acid in lemon flavoured beverages by stir bar sorptive extraction-CGC-MS

Tsuji S, Matsumura I, Nakamura Y, Tonogai// Natl Inst Hlth Sci, Osaka Branch, Chuo ku, 1-1-43 Hoensaka, Osaka 540 0006, Japan
J Food Hyg Soc Jpn 2000 **41** (6) 357
Studies on separation and determination of subsidiary colors, raw materials and intermediates in Food Yellow No 5 (Sunset Yellow FCF) by HLPC

Uematsu Y, Hirata K, Saito K// Tokyo Metropolitan Res Lab Publ Hlth, Shinjuku ku, 3-24-1 Hyakunin cho, Tokyo 169 0073, Japan
J AOAC Int 2000 **83** (6) 1451
Spectrophotometric determination of saponin in Yucca extract used as food additive

Valencia MC, Uroz F, Tafersiti Y, Capitan-Vallvey LF*// *Univ Granada, Dept Analyt Chem, ES-18071 Granada, Spain
Quim Anal 2000 **19** (3) 129
A flow-through sensor for the determination of the dye Sunset Yellow and its subsidiary Sudan 1 in foods

11. Flavours & aromas

Brezmes J, Llobet E, Vilanova X, Saiz G, Correig X// Univ Rovira & Virgili, Dept Elect Engn, Autovia Salou s/n, ES-43006 Tarragona, Spain
Sensor Actuator B-Chem 2000 **69** (3) 223
Fruit ripeness monitoring using an electronic nose

Capone S, Siciliano P, Quaranta F, Rella R, Epifani M, Vasanelli L// Univ Lecce, Dipt Ingn Innovaz, via Arnesano, IT-73100 Lecce, Italy
Sensor Actuator B-Chem 2000 **69** (3) 230
Analysis of vapours and foods by means of an electronic nose based on a sol-gel metal oxide sensors array

Di Natale C, Paolesse R, Macagnano A, Mantini A, D'Amico A, Ubigli M, Legin A, Lvova L, Rudnitskaya A, Vlasov Y// Univ Roma Tor Vergata, Dept Elect Engn, IT-00133 Rome, Italy
Sensor Actuator B-Chem 2000 **69** (3) 342
Application of a combined artificial olfaction and taste system to the quantification of relevant compounds in red wine

Dugo P, Mondello L, Dugo L, Stancanelli R, Dugo G// Univ Messina, Fac Sci, Dipt Chim Organ & Biol, Salita Sperone 31, IT-98166 Messina, Italy
J Pharmaceut Biomed Anal 2000 **24** (1) 147
LC-MS for the identification of oxygen heterocyclic compounds in citrus essential oils

Dutra ER, Oliveira LS*, Franca AS, Ferraz VP, Afonso RJCF// *UFMG, Dept Chem Engn, Rua Espirito Santo, 35-6 Andar, BR-30160-030 Belo Horizonte, MG, Brazil
J Food Eng 2000 **47** (3) 241
A preliminary study on the feasibility of using the composition of coffee roasting exhaust gas for the determination of the degree of roast

Ehrmann S, Jungst J, Goschnick J// Forschungszentrum Karlsruhe, Inst Instrument Analyt, Hermann von Helmholtz Pl 1, DE-76344 Eggenstein, Germany
Sensor Actuator B-Chem 2000 **66** (1-3) 43
Automated cooking and frying control using a gas sensor microarray

Evans P, Persaud KC*, McNeish AS, Sneath RW, Hobson N, Magan N// *UMIST, Dept Instrumentat & Analyt Sci, Chem Tower, Faraday Bldg, Manchester M60 1QD, England
Sensor Actuator B-Chem 2000 **69** (3) 348
Evaluation of a radial basis function neural network for the determination of wheat quality from electronic nose data

Frank M, Hermle T, Ulmer H, Mitrovics J, Weimar U, Gopel W// Univ Tubingen, Inst Phys & Theoret Chem, Morgenstelle 8, DE-7400 Tubingen, Germany
Sensor Actuator B-Chem 2000 **65** (1-3) 88
Quality tests of electronic noses: The influence of sample dilution and sensor drifts on the pattern recognition for selected case studies

Gonzalez-Martin I, Perez-Pavon JL, Gonzalez-Perez C, Hernandez-Mendez J, Alvarez-Garcia N// Univ Salamanca, Dept Quim Analit Nutr & Bromatol, Plaza Merced s/n, ES-37008 Salamanca, Spain
Anal Chim Acta 2000 **424** (2) 279
Differentiation of products derived from Iberian breed swine by electronic olfactometry (electronic nose)

Guadarrama A, Rodriguez-Mendez ML*, De Saja JA, Rios JL, Olias JM// *Univ Valladolid, ETS Ingn Ind, Dept Quim Inorgan, P Cauce s/n, ES-47011 Valladolid, Spain
Sensor Actuator B-Chem 2000 **69** (3) 276
Array of sensors based on conducting polymers for the quality control of the aroma of the virgin olive oil

Heberle I, Liebminger A, Weimar U, Gopel W// Univ Tubingen, Inst Phys & Theoret Chem, Morgenstelle 8, DE-72076 Tubingen, Germany
Sensor Actuator B-Chem 2000 **68** (1-3) 53
Optimised sensor arrays with chromatographic preseparation: Characterisation of alcoholic beverages

Hirschfelder M, Forster A, Kuhne S, Langbehn J, Junghanns W, Pank F, Hanrieder D*// *Univ Appl Sci, Fachhsch Anhalt, Strenzfelder Allee 28, DE-06406 Bernburg, Germany
Sensor Actuator B-Chem 2000 **69** (3) 404
Using multivariate statistics to predict sensory quality of marjoram from instrumental data

Hong HK, Kwon CH, Kim SR, Yun DH, Lee K, Sung YK// LG Corp Inst Technol, Devices & Mat Lab, Seocho gu, 16 Woomyeon dong, Seoul 137 140, South Korea
Sensor Actuator B-Chem 2000 **66** (1-3) 49
Portable electronic nose system with gas sensor array and artificial neural network

Iiyama S, Yahiro M, Toko K// Kinki Univ, Fac Engn, Dept Ind Chem, Iizuka, Fukuoka 820, Japan
Sensor Actuator B-Chem 2000 **66** (1-3) 205
Measurements of soy sauce using taste sensor

Legin A, Rudnitskaya A, Vlasov Y, Di Natale C, Mazzone E, D'Amico A// St Petersburg State Univ, Dept Chem, RU-199034 St Petersburg, Russia
Sensor Actuator B-Chem 2000 **65** (1-3) 232
Application of electronic tongue for qualitative and quantitative analysis of complex liquid media

Mielle P, Marquis F// INRA, Lab Rech Aromes, 17 rue Sully, FR-21034 Dijon, France
Sensor Actuator B-Chem 2000 **68** (1-3) 9
Gas sensors arrays ('electronic noses'): A study about the speed/accuracy ratio

Mielle P, Marquis F, Latrasse C// Address as above.
Sensor Actuator B-Chem 2000 **69** (3) 287
Electronic noses: Specify or disappear

Mitsubayashi K, Hashimoto Y// Tokai Univ, Sch Engn, Dept Elect Engn, 1117 Kitakaname, Hiratsuka, Kanagawa 259 129, Japan
Electrochemistry 2000 **68** (11) 901
Development of a gas-phase biosensor for trimethylamine using a flavin-containing monooxygenase 3

Pardo M, Niederjaufner G, Benussi G, Comini E, Faglia G, Sberveglieri G, Holmberg M, Lundstrom I// Univ Brescia, INFM, via Valotti 9, IT-25133 Brescia, Italy
Sensor Actuator B-Chem 2000 **69** (3) 397
Data preprocessing enhances the classification of different brands of espresso coffee with an electronic nose

Plotto A, McDaniel MR, Mattheis JP// Oregon State Univ, Dept Food Sci & Technol, Corvallis, Or 97331, USA
J Am Soc Hort Sci 2000 **125** (6) 714
Characterization of changes in 'Gala' apple aroma during storage using OSME analysis, a gas chromatography-olfactometry technique

Pons-Sanchez-Cascado S, Izquierdo-Pulido M, Marine-Font A, Veciana-Nogues MT, Vidal-Carou MC*// *Univ Barcelona, Fac Farm, Dept Nutr & Bromatol, CeRTA, Avda Joan XXIII s/n, ES-08028 Barcelona, Spain
Quim Anal 2000 **19** (3) 165
Reliability of trimethylamine and total volatile basic nitrogen determinations by flow injection gas diffusion techniques in pelagic fish: *Engraulis encrasicholus*

Rong L, Ping W*, Hu WL// *Zhejiang Univ, Dept Biomed Engn, Biosensor Natl Special Lab, CN-310027 Hangzhou, Peoples Rep China
Sensor Actuator B-Chem 2000 **66** (1-3) 246
A novel method for wine analysis based on sensor fusion technique

Sun A, Yang YN, Jiang YL, Fan ZJ, Liu QD, Zhou QZ// Chinese Acad Sci, Inst Semicond, POB 912, CN-100083 Beijing, Peoples Rep China
Sensor Actuator B-Chem 2000 **66** (1-3) 88
Electro-mass olfactory multi-sensor (EMMS)

Vlasov YG, Legin AV, Rudnitskaya AM, D'Amico A, Di Natale C// St Petersburg State Univ, Dept Chem, RU-199034 St Petersburg, Russia
Sensor Actuator B-Chem 2000 **65** (1-3) 235
"Electronic tongue": New analytical tool for liquid analysis on the basis of non-specific sensors and methods of pattern recognition

12. Organic acids

Castineira A, Pena RM, Herrero C, Garcia-Martin S// Univ Santiago de Compostela, Fac Ciencias, Dept Quim Analit Nutr & Bromatol, Augas Ferreas s/n, ES-27002 Lugo, Spain
J High Res Chromatogr 2000 **23** (11) 647
Simultaneous determination of organic acids in wine samples by capillary electrophoresis and UV detection: Optimization with five different background electrolytes

Patel NG, Erlenkotter A, Cammann K, Chemnitius GC// Sardar Patel Univ, Dept Elect, IN-388120 Vallabh Vidyanagar, Gujarat, India
Sensor Actuator B-Chem 2000 **67** (1-2) 134
Fabrication and characterization of disposable type lactate oxidase sensors for dairy products and clinical analysis

13. Animal products

Abeni F, Bergoglio G*// *Ist Sperimentale Zootecn S Torino, via Pianezza 115, IT-10151 Turin, Italy
Meat Sci 2001 **57** (2) 133
Characterization of different strains of broiler chicken by carcass measurements, chemical and physical parameters and NIRS on breast muscle

Bertram HC, Andersen HJ, Karlsson AH*// *Danish Inst Agr Sci, Dept Anim Prod Qual, Res Ctr Foulum, POB 50, DK-8830 Tjele, Denmark
Meat Sci 2001 **57** (2) 125
Comparative study of low-field NMR relaxation measurements and two traditional methods in the determination of water holding capacity of pork

Brewer MS, Zhu LG, Bidner B, Meisinger DJ, McKeith FK// Univ Illinois, Dept Food Sci & Human Nutr, 399 Bevier Hall, 905 Sth Goodwin Ave, Urbana, Il 61801, USA
Meat Sci 2001 **57** (2) 169
Measuring pork color: Effects of bloom time, muscle, pH and relationship to instrumental parameters

Brown RJS, Capozzi F, Cavani C, Cremonini MA, Petracci M, Placucci G*// *Univ Bologna, Dipt Sci Alimenti, via Ravennate 1020, IT-47023 Cesena, Italy
J Magn Reson 2000 **147** (1) 89
Relationships between ^{1}H NMR relaxation data and some technological parameters of meat: A chemometric approach

Fernandez-Martin F, Fernandez P, Carballo J, Jimenez-Colmenero F// CSIC, Inst Frio, Ciudad Univ, ES-28040 Madrid, Spain
Eur Food Res Technol 2000 **211** (6) 387
DSC study on the influence of meat source, salt and fat levels, and processing parameters on batters pressurisation

Kingombe CIB, Luthi E, Schlosser H, Howald D, Kuhn M, Jemmi T// Swiss Fed Vet Off, Schwarzenburgstr 161, CH-3003 Bern, Switzerland
Meat Sci 2001 **57** (1) 35
A PCR-based test for species-specific determination of heat treatment conditions of animal meals as an effective prophylactic method for bovine spongiform encephalopathy

Krska P, Lahucky R, Kuchenmeister U, Nurnberg K, Kuhn G// Forschungsinst Tierzucht Nitra, Hlohovska, SK-94992 Nitra, Slovakia
Arch Tierzucht 2000 **43** (S1) 229
Post-mortem muscle metabolism of phosphorus compounds assessed by ^{31}P NMR spectroscopy in relation to vitamin E administration of pigs genotyped on malignant hyperthermia and stress susceptibility

Lawlor JB, Sheehy PJA*, Kerry JP, Buckley DJ, Morrissey PA// *Univ Coll, Dept Food Sci & Technol Nutr Sci, Cork, Rep Ireland
J Food Sci 2000 **65** (7) 1138
Measuring oxidative stability of beef muscles obtained from animals supplemented with vitamin E using conventional and derivative spectrophotometry

Ozogul F, Taylor KDA*, Quantick PC, Ozogul Y// *Univ Lincolnshire & Humberside, Fac Social & Life Sci, Food Res Ctr, Nuns Corner, Grimsby DN34 5AZ, England
Int J Food Sci Technol 2000 **35** (6) 549
A rapid HPLC-determination of ATP-related compounds and its application to herring stored under modified atmosphere

Ruckold S, Grobecker KH, Isengard HD*// *Univ Hohenheim, Inst Food Technol, Garbenstr 25, DE-70593 Stuttgart, Germany
Fresenius J Anal Chem 2000 **368** (5) 522
Determination of the contents of water and moisture in milk powder

Swatland HJ// Univ Guelph, Dept Food Sci, Guelph, Ontario, Canada N1G 2W1
Meat Sci 2001 **57** (2) 209
Effect of connective tissue on the shape of reflectance spectra obtained with a fibre-optic fat-depth probe in beef

Wolf C, Luthy J// Univ Bern, Dept Chem & Biochem, Food Chem Lab, Freiestr 3, CH-3012 Bern, Switzerland
Meat Sci 2001 **57** (2) 161
Quantitative competitive (QC) PCR for quantification of porcine DNA

14. Plant & microbial products

Arlorio M, Coisson JD, Martelli A// Univ Piemonte Orientale Amedeo Avogadro, DISCAFF, Viale Ferrucci 33, IT-28100 Novara, Italy
Chromatographia 2000 **52** (9-10) 579
Validation of an isocratic HPLC method based on the use of ABZ^{+} plus phase for the simultaneous determination of methylxantines, chlorogenic acid, some hydroxy-benzoic and hydroxy-cinnamic acids. Application to cocoa, coffee, tea and cola-drinks

Bertheau Y, Diolez A// INRA, Unite Phytopathol & Methadol Detect, Methodol Detect OGM, Route St Cyr, FR-78026 Versailles, France
Ol Corps Gras Lipides 2000 **7** (4) 314
Detecting GM crops: From freedom of choice for consumers to bio-vigilance studies (French, English Abstract)

Escarpa A, Perez-Cabrera C, Gonzalez MC// Univ Alcala de Henares, Fac Ciencias, Department Quim Analitica, ES-28871 Alcala de Henares, Madrid, Spain
J High Res Chromatogr 2000 **23** (11) 637
Optimization and validation of a fast liquid gradient for determination of prominent flavan-3-ols and flavonols in fresh vegetables

Garnsworthy PC, Wiseman J, Fegeros K// Univ Nottingham, Sch Biosci, Sutton Bonington Campus, Loughborough LE12 5RD, England
J Agric Sci 2000 **135** (4) 409
Prediction of chemical, nutritive and agronomic characteristics of wheat by near infrared spectroscopy

Gonzalez G, Pena-Mendez EM// Univ La Laguna, Fac Chem, Dept Analyt Chem Nutr & Food Sci, ES-38071 Santa Cruz de Tenerife, Spain
Eur Food Res Technol 2000 **212** (1) 100
Multivariate data analysis in classification of must and wine from chemical measurements

Hupfer C, Hotzel H, Sachse K, Moreano F, Engel KH*// *Tech Univ Munich, Lehrstuhl Allgemeine Lebensmittel Technol, Forum 2, DE-85350 Freising Weihenstephan, Germany
Eur Food Res Technol 2000 **212** (1) 95
PCR-based quantification of genetically modified Bt maize: Single-competitive *versus* dual-competitive approach

Justesen U// Danish Vet & Food Adm, Div Nutr, Inst Food Res & Nutr, Morkhoj Bygade 19, DK-2860 Soborg, Denmark
J Chromatogr A 2000 **902** (2) 369
Negative atmospheric pressure chemical ionisation low-energy collision activation mass spectrometry for the characterisation of flavonoids in extracts of fresh herbs

Liggins J, Grimwood R, Bingham SA*// *MRC Dunn Human Nutr Unit, Hills Rd, Cambridge CB2 2XY, England
Anal Biochem 2000 **287** (1) 102
Extraction and quantification of lignan phytoestrogens in food and human samples

Luan TG, Li GK, Zhang ZX// Zhongshan Univ, Dept Chem, CN-510275 Guangzhou, Peoples Rep China
Anal Chim Acta 2000 **424** (1) 19
Gas-phase postderivatization following solid-phase microextraction for rapid determination of *trans*-resveratrol in wine by gas chromatography-mass spectrometry

Sato Y// Kochi Women's Univ, Lab Food Sci & Technol, Eikokuji 5-15, Kochi 780 8515, Japan
J Nutr Sci Vitaminol 2000 **46** (5) 266
Heat stability of proton behaviors for dietary fiber in water on spin-spin relaxation measured by ^{1}H-NMR

Satterfield M, Brodbelt JS*// *Univ Texas, Dept Chem & Biochem, Austin, Tx 78712, USA
Anal Chem 2000 **72** (24) 5898
Enhanced detection of flavonoids by metal complexation and electrospray ionization mass spectrometry

Worth CCT, Wiessler M, Schmitz OJ*// *German Cancer Research Centre, Division Mol Toxicol, Neuenheimer Feld 280, DE-69120 Heidelberg, Germany
Electrophoresis 2000 **21** (17) 3634
Analysis of catechins and caffeine in tea extracts by micellar electrokinetic chromatography

Wu JC, Xie W, Pawliszyn J*// *Univ Waterloo, Dept Chem, Waterloo, Ontario, Canada N2L 3G1
Analyst 2000 **125** (12) 2216
Automated in-tube solid phase microextraction coupled with HPLC-ES-MS for the determination of catechins and caffeine in tea