

## Bibliography of analytical, nutritional and clinical methods

(3 weeks journals. Search completed at 25th. Feb. 2004)

### 2. General

Sobolevsky TG, Chernetsova ES\*, Revelsky AI, Revelsky IA, Starostin AB, Miller B, Oriedo V// \*Moscow State Univ, Chem Dept, Leninskie gory 1, Bldg 2, GSP-2, RU-119992 Moscow, Russia  
*Eur J Mass Spectrom* 2003 **9** (5) 487  
Electron ionization mass spectra and their reproducibility for trialkylsilylated derivatives of organic acids, sugars and alcohols

### 3. Amino acids, proteins & enzymes

Cserhati T, Forgacs E\*// \*Hungarian Acad Sci, Inst Chem, Chem Res Ctr, POB 17, HU-1525 Budapest, Hungary

*J Liq Chromatogr Relat Technol* 2003 **26** (14) 2303

Effect of pH and salts on the binding of ring-substituted phenol derivatives to the corn protein zein, studied by thin-layer chromatography

Cunsolo V, Foti S, Saletti R\*, Gilbert S, Tatham AS, Shewry PR// Univ Catalonia, Dipt Sci Chim, Via A Doria 6, IT-95125 Catania, Italy

*J Mass Spectrom* 2004 **39** (1) 66

Structural studies of the allelic wheat glutenin subunits 1Bx7 and 1Bx20 by matrix-assisted laser desorption/ionization mass spectrometry and high-performance liquid chromatography/electrospray ionization mass spectrometry

Partridge MAK, Jiang Y, Skerritt JH, Schaich KM\*// \*Rutgers State Univ, Dept Food Sci, New Brunswick, NJ 08903, USA

*Cereal Chem* 2003 **80** (6) 791

Immunochemical and electrophoretic analysis of the modification of wheat proteins in extruded flour products

Sorensen LK, Lund M, Juul B// Steins Lab, Ladelundvej 85, DK-6650 Brorup, Denmark

*J Dairy Res* 2003 **70** (4) 445

Accuracy of Fourier transform infrared spectrometry in determination of casein in dairy cows' milk

### 4. Carbohydrates

Bubnik Z, Pour V, Gruberova A, Starhova H, Hinkova A, Kadlec P// Inst Chem Technol, Fac Food & Biochem Technol, Dept Carbohydrate Chem & Technol, Technicka 5, CZ-16628 Prague 6, Czech Republic

*J Food Eng* 2004 **61** (4) 509

Application of continuous chromatographic separation in sugar processing

Stoll T, Schieber A\*, Carle R// \*Univ Hohenheim, Inst Food Technol, Sect Plant Foodstuff Technol, Garbenstr 25, DE-70599 Stuttgart, Germany

*Anal Bioanal Chem* 2003 **377** (4) 655

Quantitative determination of saturated oligogalacturonic acids in enzymatic digests of polygalacturonic acid, pectin and carrot pomace by on-line LC-ESI-MS

Toro-Vazquez JF, Gomez-Aldapa CA, Aragon-Pina A, Brito-de la Fuente E, Dibildox-Alvarado E, Charo-Alonso M// Univ Autonoma San Luis Potosi, Fac Ciencias Quim-CIEP, Avda Dr Manuel Nava 6, MX-78210 San Luis Potosi, Mexico City, DF, Mexico

*J Cereal Sci* 2003 **38** (3) 269

Interaction of granular maize starch with lysophosphatidylcholine evaluated by calorimetry, mechanical and microscopy analysis

### 5. Lipids

Agazzi ME, Bau A, Barcarolo R, Luecker E, Barrero-Moreno J, Anklam E\*// \*Commiss European Communities, DG Joint Res Ctr, Inst Reference Mat & Measurements, BE-2440 Geel, Belgium

*Anal Bioanal Chem* 2003 **376** (3) 360

In-house validation of an improved sample extraction and clean-up method for GC determination of isomers of nervonic acid in meat products

Belkacemi K, Angers P, Fischer O, Arul J\*// \*Univ Laval, Dept Food Sci & Nutr, St Foy, Quebec, Canada G1K 7P4

*Separ Sci Technol* 2003 **38** (12-13) 3115

Fractionation of milk fat by falling film layer crystallization

Calvo MV, Ramos L, Fontecha J// Inst Frio - CSIC, Dept Tecol Prod Lacteos, C/ Jose Antonio Novais 10, Ciudad Univ, ES-28040 Madrid, Spain

*J Sep Sci* 2003 **26** (9-10) 927

Determination of cholesterol oxides content in milk products by solid phase extraction and gas chromatography-mass spectrometry

Downey G, McIntyre P, Davies AN// Teagasc, Natl Food Ctr, Dublin 15, Rep Ireland

*Appl Spectrosc* 2003 **57** (2) 158

Geographic classification of extra virgin olive oils from the eastern Mediterranean by chemometric analysis of visible and near-infrared spectroscopic data

Guil-Guerrero JL, Campra-Madrid R, Navarro-Juarez R// Univ Almeria, Dept Ingn Quim, Area Tecol Alimentos, ES-04120 Almeria, Spain

*Grasas Aceites* 2003 **54** (2) 116

Isolation of some PUFA from edible oils by argentated silica gel chromatography

Guillen MD, Ruiz A// Univ Pais Vasco, Fac Farm, Paseo Univ 7, ES-01006 Vitoria, Spain

*Eur J Lipid Sci Technol* 2003 **105** (11) 688

Rapid simultaneous determination by proton NMR of saturation and composition of acyl groups in vegetable oils

Inon FA, Garrigues JM, Garrigues S, Molina A, De la Guardia M\*// \*Univ Valencia, Fac Quim, Dept Quim Analit, Edificio Jeroni Munoz, C/ Dr Moliner 50, ES-46100 Burjassot, Valencia, Spain

*Anal Chim Acta* 2003 **489** (1) 59

Selection of calibration set samples in determination of olive oil acidity by partial least squares-attenuated total reflectance-Fourier transform infrared spectroscopy

Janoszka B, Warzecha L, Dobosz C, Bodzek D// Med Univ Silesia, Fac Med, Dept Chem, Jordana 19, PL-41808 Zabrze, Poland

*J Planar Chromatogr Mod TLC* 2003 **16** (3) 186

Determination of 7-ketocholesterol and 7-hydroxycholesterol in meat samples by TLC with densitometric detection

Marquez AJ// Direccion Gen Invest & Formacion Agr & Pesquera, CIFA Venta Llano Mengibar, Estacion Olivicultura & Elaiotecol, ES-23620 Jaen, Spain

*J Near Infrared Spectrosc* 2003 **11** (3) 219

Monitoring carotenoid and chlorophyll pigments in virgin olive oil by visible-near infrared transmittance spectroscopy. On-line application

Moreda W, Perez-Camino MC, Cert A// Inst Grasa - CSIC, Avda Padre Garcia Tejero 4, ES-41012 Seville, Spain

*Grasas Aceites* 2003 **54** (2) 175

Improved method for the determination of triacylglycerols in olive oils by

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/Allergens; 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.

high performance liquid chromatography

Muik B, Lendl B, Molina-Diaz A, Ayora-Canada MJ\*// \*Univ Jaen, Dept Phys & Analyt Chem, Paraje Lagunillas s/n, ES-23071 Jaen, Spain  
*Anal Chim Acta* 2003 **487** (2) 211

Direct, reagent-free determination of free fatty acid content in olive oil and olives by Fourier transform Raman spectrometry

Muik B, Lendl B, Molina-Diaz A, Ayora-Canada MJ\*// \*Address as above  
*Appl Spectrosc* 2003 **57** (2) 233

Fourier transform Raman spectrometry for the quantitative analysis of oil content and humidity in olives

Ozden O// Univ Istanbul, Fac Aquat Prod, Dept Fish Processing & Technol, Ordu Cad 200 Laleli, TR-34470 Istanbul, Turkey  
*Dtsch Lebensm Rundsch* 2003 **99** (11) 448

Isolation of unsaturated fatty acids from fish using supercritical fluid extraction (SFE) (German, English Abstract)

Pouteau E, Piguët-Welsch C, Berger A, Fay LB// Nestec Ltd, Nestle Res Ctr, POB 44, Vers-chez-les-Blanc, CH-1000 Lausanne 26, Switzerland  
*Isotopes Environ Health Stud* 2003 **39** (4) 247

Determination of cholesterol absorption in humans: From radiolabel to stable isotope studies

Ramadan MF, Morsel JT// Tech Univ Berlin, Inst Food Chem, TIB 4/3-1, Gustav-Meyer-Allee 25, DE-13355 Berlin, Germany  
*Phytochem Anal* 2003 **14** (6) 366

Determination of the lipid classes and fatty acid profile of niger (*Guizotia abyssinica* Cass.) seed oil

Vidal JC, Garcia-Ruiz E, Espuelas J, Aramendia T, Castillo JR// Univ Zaragoza, Fac Sci, Dept Analyt Chem, Plaza San Francisco s/n, ES-50009 Zaragoza, Spain  
*Anal Bioanal Chem* 2003 **377** (2) 273

Comparison of biosensors based on entrapment of cholesterol oxidase and cholesterol esterase in electropolymerized films of polypyrrole and diamino-naphthalene derivatives for amperometric determination of cholesterol

Weng YM, Weng RH, Tzeng CY, Chen WL\*// \*Nat'l Chiayi Univ, Dept Food Sci, 300 Univ Rd, Chiayi 60083, Taiwan  
*Appl Spectrosc* 2003 **57** (4) 413

Structural analysis of triacylglycerols and edible oils by near-infrared Fourier transform Raman spectroscopy

## 6. Vitamins & co-factors

Hall WL, Jeanes YM, Pugh J, Lodge JK\*// \*Univ Surrey, Sch Biomed & Mol Sci, Guildford GU2 7XH, England  
*Rapid Commun Mass Spectrom* 2003 **17** (24) 2797

Development of a liquid chromatographic time-of-flight mass spectrometric method for the determination of unlabelled and deuterium-labelled  $\alpha$ -tocopherol in blood components

Iwase H// Ajinomoto Co Inc, Cent Res Labs, 1-1 Suzuki cho, Kawasaki ku, Kawasaki, Kanagawa 210 868, Japan  
*Talanta* 2003 **60** (5) 1011

Routine high-performance liquid chromatographic determination of ascorbic acid in foods using L-methionine for the pre-analysis sample stabilization

Lee BL, New AL, Ong CN\*// \*Nat'l Univ Singapore, Fac Med, Dept Community Occupat & Family Med, SG-117597 Singapore, Rep Singapore  
*Clin Chem* 2003 **49** (12) 2056

Simultaneous determination of tocotrienols, tocopherols, retinol, and major carotenoids in human plasma

Mata-Granados JM, Caballo-Lopez A, De Castro MDL\*, Quesada JM// \*Univ Cordoba, Dept Analyt Chem, Annex C-3, Campus Rabanales, ES-14071 Cordoba, Spain  
*Anal Bioanal Chem* 2003 **377** (2) 287

Automated method for the determination of vitamin D<sub>3</sub> hydroxymetabolites in serum

Takagai Y, Igarashi S\*// \*Ibaraki Univ, Fac Engn, Dept Mat Sci, Nakana-usawa 4-12-1, Hitachi, Ibaraki 316 8511, Japan  
*Bull Chem Soc Jpn* 2003 **76** (8) 1595

Selective extraction and isolation of vitamin B<sub>12</sub> using homogeneous liquid-liquid extraction with perfluoro surfactant

## 7. Trace elements & minerals

Baklanov AN, Bokhan YV, Chmilenko FA// Dnepropetrovsk State Univ, Dept Chem, ul Nauchnaya 13, UA-49050 Dnepropetrovsk, Ukraine  
*J Anal Chem Engl Tr* 2003 **58** (5) 489

Analysis of food products using carbonization and ultrasonic techniques

Baratta EJ// US/FDA, 109 Holton St, Winchester, Ma 01890, USA

*Czech J Phys* 2003 **53** (1) A31  
Determination of radionuclides in foods from Minsk, Belarus, from Chernobyl to the present

Benkhedda K, Dimitrova B, Infante HG, Ivanova E, Adams FC\*// \*Univ Instelling Antwerp, Dept Chem, MiTAC, Universiteitspl 1, BE-2610 Wilrijk, Belgium

*J Anal Atom Spectrom* 2003 **18** (9) 1019  
Simultaneous on-line preconcentration and determination of Pt, Rh and Pd in urine, serum and road dust by flow injection combined with inductively coupled plasma time-of-flight mass spectrometry

Bings NH, Stefanka Z// Univ Hamburg, Inst Inorgan & Appl Chem, Martin Luther King Pl 6, DE-20146 Hamburg, Germany  
*J Anal Atom Spectrom* 2003 **18** (9) 1088

Development of a tungsten filament electrothermal vaporizer for inductively coupled plasma time-of-flight mass spectrometry and its possibilities for the analysis of human whole blood and serum

Brescia MA, Caldara V, Buccolieri G, Dell'Atti A, Sacco A// Univ Bari, Dipt Chim, Campus Univ, Via Orabona 4, IT-70126 Bari, Italy  
*Ital J Food Sci* 2003 **15** (3) 329

Chemometric determination of the geographical origin of cow milk using ICP-OES data and isotopic ratios: A preliminary study

Cava-Montesinos P, Cervera ML\*, Pastor A, De la Guardia M// \*Univ Valencia, Dept Analyt Chem, Res Bldg, 50 Dr Moliner Str, ES-46100 Burjassot, Spain  
*Talanta* 2003 **60** (4) 787

Determination of arsenic and antimony in milk by hydride generation atomic fluorescence spectrometry

Cerutti S, Orsi RF, Gasquez JA, Olsina RA, Martinez LD\*// \*Nat'l Univ San Luis, Fac Chem Biochem & Pharm, Dept Analyt Chem, POB 375, AR-5700 San Luis, Argentina  
*J Trace Microprobe Tech* 2003 **21** (3) 421

On-line preconcentration/determination of lead traces in bee honey by inductively coupled plasma optical emission spectrometry (ICP-OES) using a conical minicolumn packed with activated carbon

Chen J, Wu YW, Jiang ZC, Hu B\*// \*Wuhan Univ, CN-430072 Wuhan, Peoples Rep China  
*Atom Spectrosc* 2003 **24** (3) 93

Cation exchange micro column combined with fluorination-assisted electrothermal vaporization ICP-AES for the speciation of aluminum in tea leaves

Chen ZS, Griffin IJ, Kriseman YL, Liang LK, Abrams SA// Baylor Univ, USDA/ARS, Childrens Nutr Res Ctr, 1100 Bates St, Houston, Tx 77030, USA  
*Clin Chem* 2003 **49** (12) 2050

Inductively coupled plasma mass spectrometric analysis of calcium isotopes in human serum: A low sample-volume acid-equilibration method

Connolly CD, Power RF, Hynes MJ// Alltech Biotechnol Ctr, Summerhill Rd, Dunboyne, Meath, Rep Ireland  
*Atom Spectrosc* 2003 **24** (4) 115

Determination of selenium in animal feed by hydride generation AAS: Validation of analytical method

Csaszma I, Andrási E, Lasztity A, Bertalan E, Gawlik D// Lorand Eotvos Univ, Inst Inorgan & Analyt Chem, POB 32, HU-1518 Budapest 112, Hungary  
*J Anal Atom Spectrom* 2003 **18** (9) 1082

Determination of Mo and Mn in human brain samples by different techniques

Di Narda F, Toniolo R, Susmel S, Pizzariello A, Bontempelli G\*// \*Univ Udine, Dept Chem Sci & Technol, Via Cotonificio 108, IT-33100 Udine, Italy  
*Talanta* 2003 **60** (4) 653

A comparison among different instrumental approaches for bromide analysis in foodstuffs digested by a suitably modified microwave procedure

Dias VMC, Cadore S, Baccan N// Cientec, Fdn Ciencia & Tecnol, Rua Washington Luiz 675, BR-90010-460 Porto Alegre, RS, Brazil  
*J Anal Atom Spectrom* 2003 **18** (7) 783

Determination of selenium in some food matrices by electrothermal atomic absorption spectrometry after preconcentration with diethyldithiophosphate

Ekmecki G, Somer G\*, Sendil O// \*Gazi Univ, Fac Sci & Arts, Dept Chem, TR-06500 Ankara, Turkey  
*Turk J Chem* 2003 **27** (3) 347

Simultaneous determination of copper, zinc and selenium in chicken liver by differential pulse polarography

Garcia-Rey RM, Quiles-Zafra R, De Castro MDL\*// \*Univ Cordoba, Dept Analyt Chem, Marie Curie Bldg, Campus Rabanales, ES-14071 Cordoba, Spain  
*Anal Bioanal Chem* 2003 **377** (2) 316

New methods for acceleration of meat sample preparation prior to determina-

tion of the metal content by atomic absorption spectrometry

Hernandez-Caraballo EA, Avila-Gomez RM, Capote T, Rivas F, Perez AG// Univ Los Andes, Fac Ciencias, IVAIQUIM, Lab Espectroscopia Mol, VE-5101 Merida, Venezuela  
*Talanta* 2003 **60** (6) 1259

Classification of Venezuelan spirituous beverages by means of discriminant analysis and artificial neural networks based on their Zn, Cu and Fe concentrations

Jimenez MS, Velarte R, Castillo JR// Univ Zaragoza, Dept Analyt Chem, Analyt Spect & Sensors Grp, Pedro Cerbuna 12, ES-50009 Zaragoza, Spain  
*J Anal Atom Spectrom* 2003 **18** (9) 1154

On-line emulsions of olive oil samples and ICP-MS multi-elemental determination

Karthikeyan S, Honda K, Shikino O, Hirata S// \*Nat'l Inst Adv Ind Sci & Technol - AIST, Chuo ku, Jure 737 0197, Japan  
*Atom Spectrosc* 2003 **24** (3) 79

Speciation of arsenic in marine algae and commercial shrimp using ion chromatography with ICP-MS detection

Korenovska M// Inst Food Res, SK-82475 Bratislava, Slovakia  
*Chem Pap-Chem Zvesti* 2003 **57** (3) 155

Optimization of selenium determination in vegetables, fruits, and dairy products by flow injection hydride generation atomic absorption spectrometry

Marrero J, Arisnabarreta SP, Smichowski P// \*Comision Nacl Energia Atomica, Unidad Actividad Quim, Ctr Atom Constituyentes, Avda Gral Paz 1499, AR-1650 Buenos Aires, DF, Argentina  
*Atom Spectrosc* 2003 **24** (4) 133

Comparison of effects of four acid oxidant mixtures in the determination of lead in foods and beverages by hydride generation-ICP-OES

Moreno-Cid A, Yebra MC\*, Cancela S, Cespon RM// \*Univ Santiago de Compostela, Fac Chem, Dept Analyt Chem Nutr & Bromatol, ES-15782 Santiago de Compostela, Spain  
*Anal Bioanal Chem* 2003 **377** (4) 730

Flow injection on-line ultrasound-assisted extraction of iron in meat samples coupled to a flame atomic absorption spectrometric system

Naozuka J, Da Veiga MAMS\*, Oliveira PV, De Oliveira E// \*Univ Sao Paulo, Inst Quim, POB 26077, BR-05513-970 Sao Paulo, Brazil  
*J Anal Atom Spectrom* 2003 **18** (8) 917

Determination of chlorine, bromine and iodine in milk samples by ICP-OES

Ojo JO, Osoniyi RO, Aboderin AO// Obafemi Awolowo Univ, Dept Phys, NG-119260 Ife, Nigeria  
*Czech J Phys* 2003 **53** (SA) A201

Study of uptake of zinc into blood from a Nigerian diet using INAA

Singh K, Mohan S// Govt Leading Postgrad Coll, Dept Chem, IN-472001 Tikamgarh, India  
*Int Sugar J* 2003 **105** (1259) 531

Sensitive extractive spectrophotometric determination of iron in sugar and its allied products with pyridoxal-4-phenyl-3-thiosemicarbazone (PPT)

Ting BG, Pappas RS, Paschal DC// Ctr Dis Control & Prevent, Natl Ctr Environm Hlth, 4770 Buford Highway NE, MS F18, Atlanta, Ga 30341, USA  
*J Anal Atom Spectrom* 2003 **18** (7) 795

Rapid analysis for plutonium-239 in urine by magnetic sector inductively coupled plasma-mass spectrometry using Aridus desolvation introduction system

Yang LC, Zhang M, Lin S, Chen DY, Zheng MH// \*Chinese Acad Sci, Ecoenvironm Sci Res Ctr, POB 2871, CN-100085 Beijing, Peoples Rep China  
*Microchim Acta* 2003 **142** (1-2) 85

Minor and trace element analysis in breast milk using inductively coupled plasma mass spectrometry (ICP-MS)

## 8. Drug, biocide & processing residues

Barrek S, Paisse O, Grenier-Loustalot MF// \*Serv Cent Anal, USR 059 CNRS, BP 22, FR-69390 Vernaison, France

*Anal Bioanal Chem* 2003 **376** (3) 355  
Determination of residual pesticides in olive oil by GC-MS and HPLC-MS after extraction by size-exclusion chromatography

Bjorhovde A, Halvorsen TG, Rasmussen KE, Pedersen-Bjergaard S// \*Univ Oslo, Sch Pharm, POB 1068, NO-0316 Oslo, Norway  
*Anal Chim Acta* 2003 **491** (2) 155

Liquid-phase microextraction of drugs from human breast milk

Di Bella G, Saitta M, Salvo F, Nicotina M, Dugo G// \*Univ Messina, Fac Farm, Dipt Farmaco Chim, Vle Annunziata, IT-98165 Messina, Italy  
*Ital J Food Sci* 2003 **15** (3) 427

Gas chromatographic determination of azoxystrobin, dinocap, fenarimol, penconazole and quinoxifen during wine making

Frenich AG, Liebanas FJA, Mateu-Sanchez M, Vidal JLM// \*Univ Almeria, Dept Hydrogeol & Analyt Chem, ES-04071 Almeria, Spain  
*Talanta* 2003 **60** (4) 765

Multicomponent determination of pesticides in vegetables by gas chromatography with mass spectrometric detection and multivariate calibration

Goto T, Ito Y, Oka H, Saito I, Matsumoto H, Nakazawa H// Aichi Prefectural Inst Publ Hlth, 7-6 Nagare, Kita ku, Nagoya, Aichi 462 8576, Japan  
*Anal Chim Acta* 2003 **487** (2) 201

Simple and rapid determination of *N*-methylcarbamate pesticides in citrus fruits by electrospray ionization tandem mass spectrometry

Ligor M, Buszewski B// \*Nicholas Copernicus Univ, Fac Chem, Dept Environm Chem & Ecoanalyt, 1 Gagarin St, PL-87100 Torun, Poland  
*Anal Bioanal Chem* 2003 **376** (5) 668

Study of VOC distribution in citrus fruits by chromatographic analysis

Ligor T, Zebrowski W, Buszewski B// \*Address as above  
*Chem Anal* 2003 **48** (3) 567

The investigation of brominated hydrocarbons residue in food by the thermal desorption and gas-chromatography-mass spectrometry

Mardones C, Palma J, Sepulveda C, Berg A, Von Baer D// \*Univ Concepcion, Fac Pharm, Dept Instrumental Anal, POB 160-C, Concepcion, Chile  
*J Sep Sci* 2003 **26** (9-10) 923

Determination of tribromophenol and pentachlorophenol and its metabolite pentachloroanisole in *Asparagus officinalis* by gas chromatography mass spectrometry

Mezmar K, Pihlar B, Pogacnik L, Franko M// Univ Ljubljana, Fac Chem & Chem Technol, Askerceva 5, SI-1000 Ljubljana, Slovenia  
*Acta Chim Slov* 2003 **50** (3) 383

Optimised calibration procedure for bioanalytical determination of organophosphate pesticides in apple juices by immobilised AChE

Pacioni NL, Veglia AV// \*Univ Nacl Cordoba, Fac Ciencias Quim, Dept Quim Organ, Inst Invest Fis Quim Cordoba, Ciudad Univ, AR-5000 Cordoba, Argentina  
*Anal Chim Acta* 2003 **488** (2) 193

Determination of carbaryl and carbofuran in fruits and tap water by  $\beta$ -cyclodextrin enhanced fluorimetric method

Szymanski A// Adam Mickiewicz Univ Poznan, Fac Chem, Analyt Chem Lab, Grunwaldzka 6, PL-60780 Poznan, Poland  
*Chem Anal* 2003 **48** (3) 429

Micellar liquid chromatography for the determination of sulfonamide residues in milk and eggs

Thompson TS, Noot DK, Calvert J, Pernal SF// Alberta Dept Agr Food & Rural Dev, Food Safety Div, Agri-Food Labs Branch, 6909 116th St, Edmonton, Alberta, Canada T6H 4P2  
*J Chromatogr A* 2003 **1020** (2) 241

Determination of lincomycin and tylosin residues in honey using solid-phase extraction and liquid chromatography-atmospheric pressure chemical ionization mass spectrometry

Ukai M, Shinoyama Y// Hokkaido Univ, Dept Food Sci, Hakodate, Hokkaido 040 867, Japan  
*Appl Magn Reson* 2003 **24** (1) 1

Free radicals in irradiated pepper: An electron spin resonance study

Zhang XZ, Gan YR\*, Zhao FN// \*Tianjin Univ, Sch Chem Engn & Technol, Dept Biochem Engn, CN-300072 Tianjin, Peoples Rep China  
*Anal Chim Acta* 2003 **489** (1) 95

Determination of clenbuterol in pig liver by high-performance liquid chromatography with a coulometric electrode array system

Zhuang W, McKague AB, Reeve DW, Carey JH// Taro Pharmaceuticals Inc, R&D Dept, 130 East Drive, Brampton, Ontario, Canada L6T 1C1  
*J Mass Spectrom* 2004 **39** (1) 51

Identification of chlorinated fatty acids in fish by gas chromatography/mass spectrometry with negative ions chemical ionization of pentafluorobenzyl esters

## 9. Toxins/Allergens

De Saeger S, Sibanda L, Van Peteghem C// State Univ Ghent, Fac Pharmaceut Sci, Lab Food Anal, Harelbekestr 72, BE-9000 Ghent, Belgium  
*Anal Chim Acta* 2003 **487** (2) 137

Analysis of zearalenone and  $\alpha$ -zearalenol in animal feed using high-performance liquid chromatography

Pallaroni L, Von Holst C// \*Commiss European Communities Joint Res Ctr, Inst Reference Mat & Measurements, BE-2440 Geel, Belgium  
*Anal Bioanal Chem* 2003 **376** (6) 908

Comparison of alternative and conventional extraction techniques for the de-

termination of zearalenone in corn

Pottier I, Hamilton B, Jones A, Lewis RJ, Vernoux JP\*// \*Univ Caen, Lab Microbiol Alimentaire USC INRA, Esplanade Paix, FR-14032 Caen, France  
*Toxicon* 2003 **42** (6) 663  
Identification of slow and fast-acting toxins in a highly ciguatoxic barracuda (*Sphyraena barracuda*) by HPLC/MS and radiolabelled ligand binding

## 10. Additives

Kiseleva MG, Pimenova VV, Eller KI// Russian Acad Med Sci, State Res Inst Nutr, Ustinskii pr 2-14, RU-109240 Moscow, Russia  
*J Anal Chem Engl Tr* 2003 **58** (7) 685  
Optimization of conditions for the HPLC determination of synthetic dyes in food

## 11. Flavours & aromas

Bajad S, Khajuria RK, Suri OP, Bedi KL// Univ Wisconsin, Sch Vet Med, Dept Med Sci, Madison, WI 53706, USA  
*J Sep Sci* 2003 **26** (9-10) 943

Characterisation of a new minor urinary metabolite of piperine, an omnipresent food component by LC-MS/MS

Boutekdjiret C, Bentahar F, Belabbes R, Bessiere JM// Ecole National Polytech, Dept Genie Chim, 10 Ave Hacene Badi, BP 182, El-Harrach, Alger, Algeria  
*Flavour Fragr J* 2003 **18** (6) 481

Extraction of rosemary essential oil by steam distillation and hydrodistillation  
Cortacero-Ramirez S, De Castro MHB, Segura-Carretero A, Cruces-Blanco C, Fernandez-Gutierrez A// Univ Granada, Fac Sci, Dept Analyt Chem, ES-18071 Granada, Spain  
*Trends Anal Chem* 2003 **22** (7) 440

Analysis of beer components by capillary electrophoretic methods  
Exarchou V, Godejohann M, Van Beek TA, Gerotheranassis IP, Vervoort J// Wageningen Univ, Biochem Lab, Dreijenlaan 3, NL-6703 HA Wageningen, The Netherlands  
*Anal Chem* 2003 **75** (22) 6288

LC-UV-solid-phase extraction-NMR-MS combined with a cryogenic flow probe and its application to the identification of compounds present in Greek oregano

Gerasimov AV, Gornova NV, Rudometova NV// State Enterprise All Russia Res Inst Food Flavorings Acids & Dyes, Liteiny pr 55, RU-191104 St Petersburg, Russia  
*J Anal Chem Engl Tr* 2003 **58** (7) 677

Determination of vanillin and ethylvanillin in vanilla flavorings by planar (thin-layer) chromatography

Kiralp S, Toppare L\*, Yagci Y// \*Middle East Tech Univ, Dept Chem, TR-06531 Ankara, Turkey  
*Int J Biol Macromol* 2003 **33** (1-3) 37

Immobilization of polyphenol oxidase in conducting copolymers and determination of phenolic compounds in wines with enzyme electrodes

Lee SN, Kim NS, Lee DS\*// \*Seoul Womens Univ, Dept Chem, Seoul 139 774, South Korea  
*Anal Bioanal Chem* 2003 **377** (4) 749

Comparative study of extraction techniques for determination of garlic flavor components by gas chromatography-mass spectrometry

Machiels D, Van Ruth SM, Posthumus MA, Istasse L// Univ Liege, Fac Med Vet, Dept Anim Prod, Nutr Unit, BE-4000 Liege, Belgium  
*Talanta* 2003 **60** (4) 755

Gas chromatography-olfactometry analysis of the volatile compounds of two commercial Irish beef meats

Matejcek D, Klejdus B, Mikes O, Sterbova D, Kuban V\*// \*Mendel Univ Agr & Forestry, Dept Chem & Biochem, Zemedelska 1, CZ-61300 Brno, Czech Republic  
*Anal Bioanal Chem* 2003 **377** (2) 340

Application of solid-phase extraction for determination of phenolic compounds in barrique wines

Nord LI, Sorensen SB, Duus JO\*// \*Carlsberg Lab, Dept Chem, Gamle Carlsberg Vej 10, DK-2500 Copenhagen, Denmark  
*Magn Reson Chem* 2003 **41** (9) 660

Characterization of reduced *iso*- $\alpha$ -acids derived from hops (*Humulus lupulus*) by NMR

Pollien P, Jordan A, Lindinger W, Yeretzian C\*// \*Nestle Res Ctr, POB 44, CH-1000 Lausanne 26, Switzerland  
*Int J Mass Spectrom* 2003 **228** (1) 69

Liquid-air partitioning of volatile compounds in coffee: Dynamic measurements using proton-transfer-reaction mass spectrometry

Soria AC, Martinez-Castro I, Sanz J\*// \*Inst Quim Organ Gen - CSIC, Juan Cierva 3, ES-28006 Madrid, Spain  
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Tateo F, Bononi M// Univ Milan, Fac Agr, DiProVe, Lab Ric Analit Sugli Alimenti, Via Celoria 2, IT-20133 Milan, Italy  
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Curda L, Kukackova O// Inst Chem Technol, Fac Food & Biochem Technol, Technika 5, CZ-166286 Prague, Czech Republic  
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Ochiai Y, Watabe S\*// \*Univ Tokyo, Grad Sch Agr & Life Sci, Lab Aquat Mol Biol & Biotechnol, Tokyo 113 8657, Japan  
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Udabage P, McKinnon IR\*, Augustin MA// \*Monash Univ, Sch Chem, POB 23, Clayton, Vic 3800, Australia  
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The use of sedimentation field flow fractionation and photon correlation spectroscopy in the characterization of casein micelles

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Barboza FD, Poppi RJ\*// \*UNICAMP, Inst Quim, CP 6154, BR-13083-970 Campinas, SP, Brazil  
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Determination of alcohol content in beverages using short-wave near-infrared spectroscopy and temperature correction by transfer calibration procedures

Lachenmeier DW, Sviridov O, Frank W, Athanasakis C\*// \*CVUA Karlsruhe, Weissenburger Str 3, DE-76187 Karlsruhe, Germany  
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Saranwong S, Somsrivichai J, Kawano S// Natl Food Res Inst, 2-1-12 Kannondai, Tsukuba, Ibaraki 305 8642, Japan  
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Saranwong S, Somsrivichai J, Kawano S// Address as above  
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Spagna G, Barbagallo RN, Todaro A, Durante MJ, Pifferi PG// Univ Catania, Sez Tecnol Agroalimentari, Dipt Ortofloro Arboricoltura & Tecnol Agr, IT-95123 Catania, Italy  
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