

## Bibliography of analytical, nutritional and clinical methods

(3 weeks journals. Search completed at 4th May, 2005)

### 1. Books, reviews & symposia

Becher G, Haug LS, Thomsen C// Norwegian Inst Publ Hlth, Div Environm Med, Dept Analyt Chem, POB 4404, NO-0403 Oslo, Norway  
*Talanta* 2004 **63** (5) 1115

World-wide comparison on the quality of analytical determinations of PCDDs/PCDFs and dioxin-like PCBs in food (Review)

Denison MS, Zhao B, Baston DS, Clark GC, Murata H, Han D// Univ Calif Davis, Dept Environm Toxicol, Meyer Hall, 1 Shields Ave, Davis, Ca 95616, USA  
*Talanta* 2004 **63** (5) 1123

Recombinant cell bioassay systems for the detection and relative quantitation of halogenated dioxins and related chemicals (Review)

Focant JF, Pirard C, De Pauw E// Univ Liege, Mass Spectrometry Lab, Allee Chim B6c, BE-4000 Cointe Ougree, Belgium  
*Talanta* 2004 **63** (5) 1101

Automated sample preparation-fractionation for the measurement of dioxins and related compounds in biological matrices: A review

Papke O, Furst P, Herrmann T// ERGO Res, Geierstr 1, DE-22305 Hamburg, Germany  
*Talanta* 2004 **63** (5) 1203

Determination of polybrominated diphenylethers (PBDEs) in biological tissues with special emphasis on QC/QA measures

Pyrzyska K// Univ Warsaw, Dept Chem, Ul Pasteura 1, PL-02093 Warsaw, Poland  
*Crit Rev Anal Chem* 2004 **34** (2) 69

Analytical methods for the determination of trace metals in wine

Simal-Gandara J// Univ Vigo, Food Sci & Technol Fac, Dept Analyt & Food Chem, Nutr & Bromatol Grp, Ourense Campus, ES-32004 Orense, Spain  
*Crit Rev Anal Chem* 2004 **34** (2) 85

The place of capillary electrochromatography among separation techniques - A review

Tadeo JL, Sanchez-Brunete C, Albero B, Gonzalez L// INIA, Dept Medio Ambiente, Ctra Coruna Km 7, ES-28040 Madrid, Spain  
*Crit Rev Anal Chem* 2004 **34** (2) 121

Analysis of pesticide residues in juice and beverages

Zwir-Ferenc A, Biziuk M// Gdansk Univ Technol, Fac Chem, Dept Analyt Chem, 11-12 Gabriela Narutowicza St, PL-80952 Gdansk, Poland  
*Crit Rev Anal Chem* 2004 **34** (2) 95

An analysis of pesticides and polychlorinated biphenyls in biological samples and foods

### 2. General

Hills B, Benamira S, Marigheto N, Wright K// Food Res Inst, Norwich Res Pk, Norwich, England  
*Appl Magn Reson* 2004 **26** (4) 543

$T_1$ - $T_2$  correlation analysis of complex foods

Pirker KF, Reichenauer TG, Goodman BA, Stolze K// ARC Seibersdorf Res GmbH, Dept Environm Res, AT-2444 Seibersdorf, Austria  
*Anal Chim Acta* 2004 **520** (1-2) 69

Identification of oxidative processes during simulated mastication of uncooked foods using electron paramagnetic resonance spectroscopy

### 3. Amino acids, proteins & enzymes

Costin JW, Barnett NW, Lewis SW\*// \*Deakin Univ, Sch Biol & Chem Sci, Ctr Chiral & Mol Technol, Geelong, Vic 3217, Australia  
*Talanta* 2004 **64** (4) 894

Determination of proline in wine using flow injection analysis with tris(2,2'-bipyridyl)ruthenium(II) chemiluminescence detection

De Person M, Sevestre A, Chaimbault P, Perrot L, Duchiron F, Elfakir C\*// \*Univ Orleans, ICOA, UMR CNRS 6005, FR 2708, BP 6759, FR-45067 Orleans 2, France  
*Anal Chim Acta* 2004 **520** (1-2) 149

Characterization of low-molecular weight peptides in champagne wine by liquid chromatography/tandem mass spectrometry

Dziuba J, Nalecz D, Minkiewicz P, Dziuba B// Univ Warmia & Mazury, Pl Cieszynski 1, PL-10726 Olsztyn, Poland  
*Anal Chim Acta* 2004 **521** (1) 17

Identification and determination of milk and soybean protein preparations using enzymatic hydrolysis followed by chromatography and chemometrical data analysis

Gimenez EC, Benet T, Spack L// Nestle Res Ctr, Vers-chez-les-Blanc, CH-1000 Lausanne, Switzerland  
*Accredit Qual Assur* 2004 **9** (10) 605

The uncertainty in the calculation of the amount of blocked and reactive lysine in milk products, as determined by the furosine method

Gomez-Ariza JL, Bernal-Daza V, Villegas-Portero MJ// Univ Huelva, Fac Ciencias Expt, Dept Quim & Ciencia Mat, Campus El Carmen, ES-21007 Huelva, Spain  
*Anal Chim Acta* 2004 **520** (1-2) 229

Comparative study of the instrumental couplings of high performance liquid chromatography with microwave-assisted digestion hydride generation atomic fluorescence spectrometry and inductively coupled plasma mass spectrometry for chiral speciation of selenomethionine in breast and formula milk

Khampha W, Meevootisom V, Wiyakrutta S\*// \*Mahidol Univ, Fac Sci, Dept Microbiol, Rama VI Rd, TH-10400 Bangkok, Thailand  
*Anal Chim Acta* 2004 **520** (1-2) 133

Spectrophotometric enzymatic cycling method using L-glutamate dehydrogenase and D-phenylglycine aminotransferase for determination of L-glutamate in foods

Sultan KR, Tersteeg MHG, Koolmees PA, De Baaij JA, Bergwerff AA\*, Haagsman HP// \*Univ Utrecht, Fac Vet Med, Dept Publ Hlth & Food Safety, POB 80175, NL-3508 TD Utrecht, The Netherlands  
*Anal Chim Acta* 2004 **520** (1-2) 183

Western blot detection of brain material in heated meat products using myelin basic protein and neuron-specific enolase as biomarkers

### 4. Carbohydrates

Stikarovska M, Chmelik J\*// \*Acad Sci Czech Republ, Inst Anal Chem, CZ-61142 Brno, Czech Republic  
*Anal Chim Acta* 2004 **520** (1-2) 47

Determination of neutral oligosaccharides in vegetables by matrix-assisted laser desorption/ionization mass spectrometry

Yang W, Zheng H, Yuan WT, Xu JG\*// \*Xiamen Univ, Dept Chem, MOE

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.

Key Lab Analyt Sci, CN-361005 Xiamen, Peoples Rep China  
*Anal Sci* 2004 **20** (9) 1265  
 Silica-hemin composite nanoparticles as new biocatalyst to highly sensitive determination of glucose in human serum

## 5. Lipids

Bokoch MP, Devadoss A, Palencsar MS, Burgess JD\*// \*Case Western Reserve Univ, Dept Chem, 10900 Euclid Ave, Cleveland, Oh 44106, USA  
*Anal Chim Acta* 2004 **519** (1) 47

Steady-state oxidation of cholesterol catalyzed by cholesterol oxidase in lipid bilayer membranes on platinum electrodes

Boukhchina S, Sebai K, Cherif A, Kallel H, Mayer PM// Fac Sci Tunis, El Manar, Tunisia  
*Can J Chem* 2004 **82** (7) 1210

Identification of glycerophospholipids in rapeseed, olive, almond, and sunflower oils by LC-MS and LC-MS-MS

Coni E, Podesta E, Catone T// Ist Super Sanita, Food Dept, Viale Regina Elena 299, IT-00161 Rome, Italy  
*Thermochim Acta* 2004 **418** (1-2) 11

Oxidizability of different vegetable oils evaluated by thermogravimetric analysis

Deineka VI, Deineka LA// Belgorod State Univ, Dept Biol & Chem, Ul Pobedy 85, RU-308015 Belgorod, Russia  
*J Anal Chem-Engl Tr* 2004 **59** (9) 895

Analysis of vegetable oils by microcolumn high-performance liquid chromatography

Marini F, Balestrieri F, Bucci R, Magri AD, Magri AL, Marini D// Univ Roma La Sapienza, Dipt Chim, Piazzale Aldo Moro 5, IT-00185 Rome, Italy  
*Chemometr Intell Lab Syst* 2004 **73** (1) 85

Supervised pattern recognition to authenticate Italian extra virgin olive oil varieties

Ruiz J, Antequera T, Andres AI, Petron M, Muriel E// Univ Extremadura, Fac Vet, Campus Univ s/n, ES-10071 Caceres, Spain  
*Anal Chim Acta* 2004 **520** (1-2) 201

Improvement of a solid-phase extraction method for analysis of lipid fractions in muscle foods

Sanches-Silva A, Lopez-Hernandez J\*, Paseiro-Losada P// \*Univ Santiago de Compostela, Fac Pharm, Dept Analyt Chem Nutr & Bromatol, ES-15782 Santiago de Compostela, Spain  
*Anal Chim Acta* 2004 **524** (1-2) 185

Modified atmosphere packaging and temperature effect on potato crisps oxidation during storage

Sanches-Silva A, Lopez-Hernandez J\*, Paseiro-Losada P, Simal-Lozano J// \*Address as above  
*Anal Chim Acta* 2004 **524** (1-2) 191

Study of the effect of light on fatty acids of potato crisps using a gas chromatography method

## 6. Vitamins & co-factors

Anastos N, Barnett NW\*, Hindson BJ, Lenehan CE, Lewis SW// \*Deakin Univ, Sch Biol & Chem Sci, Ctr Chiral & Mol Technol, Geelong, Vic 3217, Australia  
*Talanta* 2004 **64** (1) 130

Comparison of soluble manganese(IV) and acidic potassium permanganate chemiluminescence detection using flow injection and sequential injection analysis for the determination of ascorbic acid in vitamin C tablets

Chatzimichalakis PF, Samanidou VF, Verpoorte R, Papadoyannis IN\*// \*Aristotle Univ Thessaloniki, Dept Chem, Analyt Chem Lab, GR-54124 Thessaloniki, Greece  
*J Sep Sci* 2004 **27** (14) 1181

Development of a validated HPLC method for the determination of B-complex vitamins in pharmaceuticals and biological fluids after solid phase extraction

Gavrilenko NA, Mokrousov GM, Dzhiganskaya OV// Tomsk VV Kuibyshev State Univ, Dept Chem, pr Lenina 36, RU-634050 Tomsk, Russia  
*J Anal Chem-Engl Tr* 2004 **59** (9) 871

An optical sensor for the determination of ascorbic acid

Klejduš B, Petrlova J, Potesil D, Adam V, Mikelova R, Vacek J, Kizek R, Kuban V\*// \*Mendel Univ Agr & Forestry Brno, Dept Chem & Biochem, Zemedelska 1, CZ-61300 Brno, Czech Republic  
*Anal Chim Acta* 2004 **520** (1-2) 57

Simultaneous determination of water- and fat-soluble vitamins in pharmaceutical preparations by high-performance liquid chromatography coupled with diode array detection

Lee HL, Chen SC\*// \*Fu Jen Catholic Univ, Dept Chem, 510 Rd Chang Cheng, Taipei 242, Taiwan  
*Talanta* 2004 **64** (3) 750

Microchip capillary electrophoresis with electrochemical detector for pre-column enzymatic analysis of glucose, creatinine, uric acid and ascorbic acid in urine and serum

Li LS, Da SL\*, Feng YQ, Liu M// \*Wuhan Univ, Dept Chem, CN-430072 Wuhan, Peoples Rep China  
*Talanta* 2004 **64** (2) 373

Study on the chromatographic behavior of water-soluble vitamins on *p*-*tert*-butyl-calix[8]arene-bonded silica gel stationary phase by HPLC

Liu AH, Anzai J// Tohoku Univ, Grad Sch Pharmaceut Sci, Aoba ku, Sendai, Miyagi 980 8578, Japan  
*Anal Bioanal Chem* 2004 **380** (1) 98

Ferrocene-containing polyelectrolyte multilayer film-covered electrodes: Electrocatalytic determination of ascorbic acid and use of inner blocking layers to improve the upper detection limit of the electrodes

Messina GA, Torriero AAJ, De Vito IE, Raba J\*// \*Natl Univ San Luis, Dept Chem, Chacabuco & Pedernera, AR-5700 San Luis, Argentina  
*Talanta* 2004 **64** (4) 1009

Continuous-flow/stopped-flow system for determination of ascorbic acid using an enzymatic rotating bioreactor

Rama MJR, Medina AR, Diaz AM\*// \*Univ Jaen, Fac Expt Sci, Dept Phys & Analyt Chem, ES-23071 Jaen, Spain  
*Microchem J* 2004 **78** (2) 157

A Prussian blue-based flow-through renewable surface optosensor for analysis of ascorbic acid

Su AK, Chang YS, Lin CH\*// \*Natl Taiwan Normal Univ, Dept Chem, 88 Sec 4 Tingchow Rd, Taipei, Taiwan  
*Talanta* 2004 **64** (4) 970

Analysis of riboflavin in beer by capillary electrophoresis/blue light emitting diode (LED)-induced fluorescence detection combined with a dynamic pH junction technique

## 7. Trace elements & minerals

Anzano JM, Heinemann RJB, Mir JM// Univ Zaragoza, Fac Sci, Dept Analyt Chem, Pedro Cerbuna 12, ES-50009 Zaragoza, Spain  
*Atom Spectrosc* 2004 **25** (5) 221

Rapid determination of zinc in foods by flow injection analysis with flame AAS using gradient calibration method

Bou R, Guardiola F\*, Padro A, Pelfort E, Codony R// \*Univ Barcelona, Fac Pharm, Nutr Food Sci Dept CeRTA, Avda Joan XXIII s/n, ES-08028 Barcelona, Spain  
*J Anal Atom Spectrom* 2004 **19** (10) 1361

Validation of mineralisation procedures for the determination of selenium, zinc, iron and copper in chicken meat and feed samples by ICP-AES and ICP-MS

Canario C, Ngobeni P, Katskov DA\*, Thomassen Y// \*Tshwane Univ Technol, Dept Chem & Phys, Private Bag X680, ZA-0001 Pretoria, Rep Sth Africa  
*J Anal Atom Spectrom* 2004 **19** (11) 1468

Transverse heated filter atomizer: Atomic absorption spectrometric determination of Pb and Cd in whole blood

Cava-Montesinos P, Dominguez-Vidal A, Cervera ML, Pastor A, De la Guardia M\*// \*Univ Valencia, Fac Chem, Dept Analyt Chem, 50 Dr Moliner St, ES-46100 Valencia, Spain  
*J Anal Atom Spectrom* 2004 **19** (10) 1386

On-line speciation of mercury in fish by cold vapour atomic fluorescence through ultrasound-assisted extraction

Chu MY, Beauchemin D\*// \*Queens Univ, Dept Chem, Kingston, Ontario, Canada K7L 3N6  
*J Anal Atom Spectrom* 2004 **19** (9) 1213

Simple method to assess the maximum bio-accessibility of elements from food using flow injection and inductively coupled plasma mass spectrometry

Coskun N, Akman S\*// \*Istanbul Tech Univ, Sci & Letter Fac, Dept Chem, TR-34469 Istanbul, Turkey  
*Talanta* 2004 **64** (2) 496

Direct determination of manganese in vitamin-mineral tablets using solid sampling electrothermal atomic absorption spectrometry

De Boer JLM, Ritsema R, Piso S, Van Staden H, Van den Beld W// RIVM, NL-3720 BA Bilthoven, The Netherlands  
*Anal Bioanal Chem* 2004 **379** (5-6) 872

Practical and quality-control aspects of multi-element analysis with quadrupole ICP-MS with special attention to urine and whole blood

Doner G, Ege A// Istanbul Tech Univ, Fac Sci & Letters, Dept Chem,

- TR-34469 Istanbul, Turkey  
*Anal Chim Acta* 2004 **520** (1-2) 217  
 Evaluation of digestion procedures for the determination of iron and zinc in biscuits by flame atomic absorption spectrometry
- Esparza I, Salinasa I, Caballero I, Santamaria C, Calvo I, Garcia-Mina JM, Fernandez JM\*// \*Univ Navarra, Dept Quim & Edafol, Irunlarrea s/n, ES-31080 Navarra, Spain  
*Anal Chim Acta* 2004 **524** (1-2) 215  
 Evolution of metal and polyphenol content over a 1-year period of vinification: Sample fractionation and correlation between metals and anthocyanins
- Gergely V, Kopolna E, Sule A, Hajos G, Dernovics M\*, Fodor P// \*Corvinus Univ, Dept Appl Chem, Villanyi ut 29-33, HU-1118 Budapest, Hungary  
*J Anal Atom Spectrom* 2004 **19** (11) 1485  
 Preparative liquid isoelectric focusing (Rotofor IEF) based Se-speciation of Se-enriched *Agaricus bisporus*
- Gine MF, Bellato ACS, Menegario AA// A/USP/CEN, Avda Centenario 303, CP 96, BR-13400-970 Piracicaba, SP, Brazil  
*J Anal Atom Spectrom* 2004 **19** (9) 1252  
 Determination of trace elements in serum samples by isotope dilution inductively coupled plasma mass spectrometry using on-line dialysis
- Gulson BL, Venkatesh T, Palmer J, D'Souza HS, Korsch M// Macquarie Univ, Grad Sch Environm, Sydney NSW 2109, Australia  
*Aust J Chem* 2004 **57** (10) 979  
 Comparison of isotope dilution and a portable anodic stripping voltammetry device for blood lead measurements: Source of lead in blood of female adults from Bangalore
- Hovanec BM// West Coast Analyt Serv, 9240 Santa Fe Springs Rd, Santa Fe Springs, Ca 90670, USA  
*J Anal Atom Spectrom* 2004 **19** (9) 1141  
 Arsenic speciation in commercially available peanut butter spread by IC-ICP-MS
- Huguet MER// Lab Technol Uruguay, Latu, Trace Elements Area, Dept Analyt Chem, Avda Italia 6201, UY-11500 Montevideo, Uruguay  
*Atom Spectrosc* 2004 **25** (4) 177  
 Monitoring of Cd, Cr, Cu, Fe, Mn, Pb and Zn in fine Uruguayan wines by atomic absorption spectroscopy
- Krishna MVB, Arunachalam J\*// \*Bhabha Atom Res Ctr, Natl Ctr Composit Characterizat Mat, Dept Atom Energy, ECIL Post, IN-500062 Hyderabad, India  
*Anal Chim Acta* 2004 **522** (2) 179  
 Ultrasound-assisted extraction procedure for the fast estimation of major, minor and trace elements in lichen and mussel samples by ICP-MS and ICP-AES
- Li SQ, Hu B, Jiang ZC\*, Chen R// \*Wuhan Univ, Dept Chem, CN-430072 Wuhan, Peoples Rep China  
*Anal Bioanal Chem* 2004 **379** (7-8) 1076  
 Direct determination of trace refractory elements in human serum by ETV-ICP-MS with *in-situ* matrix removal
- Liu YW, Chang XJ, Wang S, Guo Y, Din BJ, Meng SM// Lanzhou Univ, Sch Chem & Chem Engrn, CN-730000 Lanzhou, Peoples Rep China  
*Talanta* 2004 **64** (1) 160  
 Solid-phase spectrophotometric determination of nickel in water and vegetable samples at sub- $\mu\text{g l}^{-1}$  level with *o*-carboxylphenyldiazoaminoazobenzene loaded XAD-4
- Locatelli C, Torsi G// Univ Bologna, Dept Chem G Ciamician, Via F Selmi 2, IT-40126 Bologna, Italy  
*Microchem J* 2004 **78** (2) 175  
 Simultaneous square wave anodic stripping voltammetric determination of Cr, Pb, Sn, Sb, Cu, Zn in presence of reciprocal interference: Application to meal matrices
- Mokgalaka NS, McCrindle RI\*, Botha BM// \*Tshwane Univ Technol, Dept Chem & Phys, Private Bag X680, ZA-0001 Pretoria, Rep Sth Africa  
*J Anal Atom Spectrom* 2004 **19** (10) 1375  
 Multielement analysis of tea leaves by inductively coupled plasma optical emission spectrometry using slurry nebulisation
- Nascentes CC, Arruda MAZ, Nogueira ARA, Nobrega JA// Univ Fed Sao Carlos, Dept Quim, Grp Anal Instrumental Aplicada, POB 676, BR-13560-970 Sao Carlos, SP, Brazil  
*Talanta* 2004 **64** (4) 912  
 Direct determination of Cu and Zn in fruit juices and bovine milk by thermospray flame furnace atomic absorption spectrometry
- Ogra Y, Ishiwata K, Encinar JR, Lobinski R, Suzuki KT// Chiba Univ, Grad Sch Pharmaceut Sci, Chuo ku, Chiba 260 8675, Japan  
*Anal Bioanal Chem* 2004 **379** (5-6) 861  
 Speciation of selenium in selenium-enriched shiitake mushroom, *Lentinula edodes*
- Paul MC, Parsons CH, Calford MB, Von Nagy-Felsobuki EI\*// \*Univ Newcastle, Sch Environm & Life Sci, Mol Struct & Detect Grp, Univ Dr, Callaghan, NSW 2308, Australia  
*Spectrochim Acta Pt B Atom Spect* 2004 **59** (9) 1485  
 Multi-elemental analysis of brain tissue from healthy Wistar rats using sector field inductively coupled plasma mass spectrometry
- Pena-Farfal C, Moreda-Pineiro A, Bermejo-Barrera A, Bermejo-Barrera P\*, Pinochet-Cancino H, De Gregori-Henriquez I// \*Univ Santiago de Compostela, Fac Chem, Dept Analyt Chem Nutr & Bromatol, Avda Ciencias s/n, ES-15782 Santiago de Compostela, Spain  
*Talanta* 2004 **64** (3) 671  
 Use of enzymatic hydrolysis for the multi-element determination in mussel soft tissue by inductively coupled plasma-atomic emission spectrometry
- Romero-Davila E, Miranda J// Univ Nacl Autonoma Mexico, Inst Fis, Apartado Postal 20-364, MX-01000 Mexico City, DF, Mexico  
*J Radioanal Nucl Chem* 2004 **262** (2) 355  
 Trace element determination in tomato puree using particle induced X-ray emission and Rutherford backscattering
- Sankalia JM, Mashru RC, Sankalia MG, Parikh PP, Sutariya VB// Maharaja Sayajirao Univ Baroda, Fac Technol & Engrn, Dept Pharm, IN-390001 Vadodara, Gujarat, India  
*Anal Sci* 2004 **20** (9) 1321  
 Estimation of trace amounts of chromium(III) in multi-vitamin with multi-mineral formulations
- Spevackova V, Korunova V, Cejchanova M, Vobecky M// Natl Inst Publ Hlth, Srobarova 48, CZ-10042 Prague 10, Czech Republic  
*Anal Bioanal Chem* 2004 **380** (2) 346  
 Sampling procedure and a radio-indicator study of mercury determination in whole blood by using an AMA 254 atomic absorption spectrometer
- St Remy RRD, Sanchez MLF, Sastre JBL, Sanz-Medel A\*// \*Univ Oviedo, Fac Chem, Dept Phys & Analyt Chem, Oviedo, Spain  
*J Anal Atom Spectrom* 2004 **19** (9) 1104  
 Multielemental distribution patterns in premature human milk whey and pre-term formula milk whey by size exclusion chromatography coupled to inductively coupled plasma mass spectrometry with octopole reaction cell
- Vassileva E, Quetel CR\*// \*Commiss European Communities, Joint Res Ctr, Isotope Measurement Unit, BE-2440 Geel, Belgium  
*Anal Chim Acta* 2004 **519** (1) 79  
 Certification measurement of the cadmium, copper and lead contents in rice using isotope dilution inductively coupled plasma mass spectrometry
- Venelinov TI, Davies IM, Beattie JH\*// \*Rowett Res Inst, Greenburn Rd, Aberdeen AB21 9SB, Scotland  
*Anal Bioanal Chem* 2004 **379** (5-6) 777  
 Dialysis-Chelex method for determination of exchangeable copper in human plasma
- Wagner A, Boman J// Univ Gothenburg, Dept Chem, SE-41296 Gothenburg, Sweden  
*Spectrochim Acta Pt B Atom Spect* 2004 **59** (8) 1125  
 Biomonitoring of trace elements in Vietnamese freshwater mussels
- Wilburn RT, Vonderheide AP, Soman RS, Caruso JA\*// \*Univ Cincinnati, Dept Chem, Cincinnati, Oh 45221, USA  
*Appl Spectrosc* 2004 **58** (10) 1251  
 Speciation of selenium in the mushroom *Boletus edulis* by high-performance liquid chromatography coupled to inductively coupled plasma-mass spectrometry with a collision cell
- Yaman M, Cokol N// Firat Univ, Sci & Arts Fac, Dept Chem, Elazig, Turkey  
*Atom Spectrosc* 2004 **25** (4) 185  
 Determination of trace elements in human milk, cow's milk, and baby foods by flame AAS using wet ashing and microwave oven sample digestion procedures

## 8. Drug, biocide & processing residues

- Araujo MM, Marin-Huachaca NS, Mancini J, Delincee H, Villavicencio ALCH// IPEN-CNEN/SP, Ctr Tecnol Radiacoes-Lab, Deteccao Alimentos Irradiados, Cidade Univ, Travessa R 400, BR-05508-910 Sao Paulo, Brazil  
*Radiat Phys Chem* 2004 **71** (1-2) 185  
 Identification of irradiated refrigerated pork with the DNA comet assay
- Becker M, Zittlau E, Petz M\*// \*Berg Univ Gesamthoch Wuppertal, Dept Food Chem, Gausstr 20, DE-42097 Wuppertal, Germany  
*Anal Chim Acta* 2004 **520** (1-2) 19  
 Residue analysis of 15 penicillins and cephalosporins in bovine muscle, kidney and milk by liquid chromatography-tandem mass spectrometry
- Benetti C, Dainese N, Biancotto G\*, Piro R, Mutinelli F// \*Univ Legnaro, Ist Zooprofilattico Sperimentale Venezia, Viale Univ 10, IT-35020 Legnaro, Italy  
*Anal Chim Acta* 2004 **520** (1-2) 87  
 Unauthorised antibiotic treatments in beekeeping. Development and validation of a method to quantify and confirm tylosin residues in honey using liquid



- chromatography-tandem mass spectrometric detection  
 Cacciatore G, Petz M\*, Rachid S, Hakenbeck R, Bergwerff AA// \*Univ Gesamthsch Wuppertal, Dept Food Chem, Gaussstr 20, DE-42097 Wuppertal, Germany  
*Anal Chim Acta* 2004 **520** (1-2) 105  
 Development of an optical biosensor assay for detection of  $\beta$ -lactam antibiotics in milk using the penicillin-binding protein 2x\*
- Carbannelle S, Van Loco J, Van Overmeire I, Windal I, Van Wouwe N, Van Leeuwen S, Goeyens L// Sci Inst Publ Hlth, rue J Wytsman 14, BE-1050 Brussels, Belgium  
*Talanta* 2004 **63** (5) 1255  
 Importance of REP values when comparing the CALUX bioassay results with chemoanalyses results - Example with spiked vegetable oils
- Chen GY, Schneider MJ, Darwish AM, Lehotay SJ, Freeman DW// USDA/ARS, Eastern Reg Res Ctr, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA  
*Talanta* 2004 **64** (1) 252  
 Europium-sensitized luminescence determination of oxytetracycline in catfish muscle
- Chung HW, Delincee H, Han SB, Hong JH, Kim HY, Kim MC, Byun MW, Kwon JH// 5 Nokbun dong, Seoul 122 704, South Korea  
*Radiat Phys Chem* 2004 **71** (1-2) 181  
 Trials to identify irradiated chestnut (*Castanea bungena*) with different analytical techniques
- Ciccio P, Brancaloni E, Frattoni M, Fedele V, Claps S, Signorelli F// CNR, Ist Metodol Chim, Via Salaria km 29.300, CP 10, IT-00016 Monterotondo, RM, Italy  
*Ann Chim-Rome* 2004 **94** (9-10) 669  
 Quantitative determination of volatile organic compounds (VOC) in milk by multiple dynamic headspace extraction and GC-MS
- Eppe G, Cofino WP, De Pauw E// Univ Liege, Dept Physicochem, Mass Spectrometry Lab, CART, Allee Chim B6c, Sart Tilman, BE-4000 Liege, Belgium  
*Anal Chim Acta* 2004 **519** (2) 231  
 Performances and limitations of the HRMS method for dioxins, furans and dioxin-like PCBs analysis in animal feedingstuffs Part I: Results of an inter-laboratory study
- Eppe G, Maghuin-Rogister G, De Pauw E// Address as above  
*Anal Chim Acta* 2004 **519** (2) 243  
 Performances and limitations of the HRMS method for dioxins, furans and dioxin-like PCBs analysis in animal feedingstuffs Part II: Does it comply with the European pro-active approach?
- Eppe G, Focant JF, Pirard C, De Pauw E// Address as above  
*Talanta* 2004 **63** (5) 1135  
 PTV-LV-GC/MS/MS as screening and complementary method to HRMS for the monitoring of dioxin levels in food and feed
- Fernandes A, White S, D'Silva K, Rose M// Cent Sci Lab, Sand Hutton YO41 1LZ, England  
*Talanta* 2004 **63** (5) 1147  
 Simultaneous determination of PCDDs, PCDFs, PCBs and PBDEs in food
- Focant JF, Reiner EJ, MacPherson K, Kolic T, Sjodin A, Patterson DG, Reese SL, Dorman FL, Cochran J// Univ Liege, Mass Spectrometry Lab, CART, Allee Chim B6c, BE-4000 Liege, Belgium  
*Talanta* 2004 **63** (5) 1231  
 Measurement of PCDDs, PCDFs, and non-ortho-PCBs by comprehensive two-dimensional gas chromatography-isotope dilution time-of-flight mass spectrometry (GC x GC-IDTOFMS)
- Fuh MR, Huang SY, Lin TY// Soochow Univ, Dept Chem, POB 86-72, Taipei, Taiwan  
*Talanta* 2004 **64** (2) 408  
 Determination of residual anabolic steroid in meat by gas chromatography-ion trap-mass spectrometer
- Garcia MDG, Martinez DB, Galera MM, Vazquez PP// Univ Almeria, Dept Analyt Chem, La Canada de San Urbano, ES-04120 Almeria, Spain  
*J Sep Sci* 2004 **27** (14) 1173  
 Coupled-column liquid chromatography method with photochemically induced derivatization for the direct determination of benzoylureas in vegetables
- Granby K, Andersen JH, Christensen HB// Danish Inst Food & Vet Res, Morkhøj Bygade 19, DK-2860 Soborg, Denmark  
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