

Bibliography of analytical, nutritional and clinical methods

(4 weeks journals. Search completed at 24th. Mar. 2004)

1. Books, reviews & symposia

Hidalgo FJ, Zamora R*// *Inst Grasa - CSIC, Avda Padre Garcia Tejero 4, ES-41012 Seville, Spain

Trends Food Sci Technol 2003 **14** (12) 499

Edible oil analysis by high-resolution nuclear magnetic resonance spectroscopy: Recent advances and future perspectives (Review)

Martinez I, Aursand M, Erikson U, Singstad TE, Veliyulin E, Van der Zwaag C// SINTEF Fisheries & Aquaculture Ltd, NO-7465 Trondheim, Norway

Trends Food Sci Technol 2003 **14** (12) 489

Destructive and non-destructive analytical techniques for authentication and composition analyses of foodstuffs (Review)

3. Amino acids, proteins & enzymes

Delgado S, Garcia MC, Marina ML, Torre M*// *Univ Alcala de Henares, Fac Quim, Dept Quim Analit, ES-28871 Madrid, Spain

J Sep Sci 2003 **26** (15-16) 1363

Influence of the organic modifier and the ion-pairing agent in the mobile phase on the separation of soya bean proteins by perfusion liquid chromatography. Analysis of commercial dairylike soya bean products using multivariate techniques

Drzewiecki J, Delgado-Licon E, Haruenkit R, Pawelzik E, Martin-Belloso O, Park YS, Jung ST, Trakhtenberg S, Gorinstein S*// *Hebrew Univ Jerusalem, Hadassah Med Sch, Sch Pharm, Dept Med Chem & Nat Prod, POB 12065, IL-91120 Jerusalem, Israel

J Agric Food Chem 2003 **51** (26) 7798

Identification and differences of total proteins and their soluble fractions in some pseudocereals based on electrophoretic patterns

Godefroy S, Korb JP*, Creamer LK, Watkinson PJ, Callaghan PT// *Ecole Polytech, Lab Phys Mat Condensee, UMR CNRS 7643, FR-91128 Palaiseau, France

J Colloid Interface Sci 2003 **267** (2) 337

Probing protein hydration and aging of food materials by the magnetic field dependence of proton spin-lattice relaxation times

Salgado P, Freire JPB, Ferreira RB, Teixeira A, Bento O, Abreu MC, Touillec R, Lalles JP*// *INRA-ENSA, Unite Mixte Rech Veau & Porc, 65 rue St Brieuc, FR-35042 Rennes, France

J Sci Food Agric 2003 **83** (15) 1571

Immunodetection of legume proteins resistant to small intestinal digestion in weaned piglets

Wang Q, Crofts AR, Padua GW*// *Univ Illinois, Dept Food Sci & Human Nutr, 1304 West Penn Ave, Urbana, IL 61801, USA

J Agric Food Chem 2003 **51** (25) 7439

Protein-lipid interactions in zein films investigated by surface plasmon resonance

4. Carbohydrates

Chatakononda P, Dickinson LC, Chinachoti P*// *Univ Massachusetts, Dept Food Sci, Amherst, Ma 01003, USA

J Agric Food Chem 2003 **51** (25) 7445

Mobility and distribution of water in cassava and potato starches by ¹H and ²H

NMR

Kanauchi M, Bamforth CW*// *Univ Calif Davis, Dept Food Sci & Technol, Davis, Ca 95616, USA

J Inst Brew 2003 **109** (3) 203

Use of xylose dehydrogenase from *Trichoderma viride* in an enzymic method for the measurement of pentosan in barley

5. Lipids

Adanyi N, Varadi M// Cent Food Res Inst, POB 393, HU-1537 Budapest, Hungary

Eur Food Res Technol 2003 **218** (1) 99

Development of organic phase amperometric biosensor for measuring cholesterol in food samples

Barcarolo R, Bau A, Moreno JB, Dimitrova B, Anklam E*// *Commiss European Communities, DG Joint Res Ctr, Inst Reference Mat & Measurements, Food & Feed Unit, BE-2440 Geel, Belgium

J Sep Sci 2003 **26** (15-16) 1347

On-line LC-GC method for determination of isomers of nervonic acid in meat-derived food

Kansci G, Genot C, Kamdem AM, Tchana A, Viau M, Rampon V, Metro B, Moreau N// INRA, LEIMA, BP 71627, FR-44316 Nantes 03, France

Sci Aliment 2003 **23** (3) 425

Composition and oxidation level of some vegetable oils consumed in Cameroon, determined by classical and mid infrared spectroscopic methods (French, English Abstract)

Mondello L, Tranchida PQ, Costa R, Casilli A, Dugo P, Controneo A, Dugo G// Univ Messina, Fac Farm, Dipt Farmacochim, Viale Annunziata, IT-98168 Messina, Italy

J Sep Sci 2003 **26** (17) 1467

Fast GC for the analysis of fats and oils

Papadopoulos K, Triantis T, Yannakopoulou E, Nikokavoura A, Dimotikali D// NCSR Demokritos, Inst Phys Chem, GR-15310 Athens, Greece

Anal Chim Acta 2003 **494** (1-2) 41

Comparative studies on the antioxidant activity of aqueous extracts of olive oils and seed oils using chemiluminescence

Pires CK, Reis BF*, Galhardo CX, Martelli PB// *Univ Sao Paulo, Ctr Energia Nucl & Agr, BR-13400-970 Piracicaba, SP, Brazil

Anal Lett 2003 **36** (14) 3011

A multicommuted flow procedure for the determination of cholesterol in animal blood serum by chemiluminescence

Yoshida S, Yoshida H// Gifu Univ, Fac Engn, Dept Biomol Sci, 1-1 Yanagido, Gifu 501 1193, Japan

Biopolymers 2003 **70** (4) 604

Nondestructive analyses of unsaturated fatty acid species in dietary oils by attenuated total reflectance with Fourier transform IR spectroscopy

6. Vitamins & co-factors

Kim GH// Duksung Womens Univ, Dept Food & Nutr, Seoul 132 714, South Korea

Food Sci Technol Res 2003 **9** (4) 316

Determination of vitamin U in food plants

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.

Noroozifar M, Khorasani-Motlagh M// Sistan & Baluchestan Univ, Dept Chem, POB 98165-181, Zahedan, Iran
Talanta 2003 **61** (2) 173
 Solid-phase iodine as an oxidant in flow injection analysis: Determination of ascorbic acid in pharmaceuticals and foods by background correction

Rychlik M// Tech Univ Munich, Inst Lebensmittelchem, Lichtenbergstr 4, DE-85748 Garching, Germany
Anal Chim Acta 2003 **495** (1-2) 133
 Simultaneous analysis of folic acid and pantothenic acid in foods enriched with vitamins by stable isotope dilution assays

7. Trace elements & minerals

Ariyama K, Horita H, Yasui A// Natl Food Res Inst, 2-1-12 Kannondai, Tsukuba, Ibaraki 305 8642, Japan
Bunseki Kagaku 2003 **52** (11) 969
 Establishment of an inorganic elements measuring method for determining the geographic origin of Welsh onion and preliminary examination (Japanese, English Abstract)

Canuto MH, Siebald HGL, De Lima GM, Silva JBB*// *Univ Fed Minas Gerais, Dept Quim, Avda Antonio Carlos, BR-6627 Belo Horizonte, MG, Brazil
J Anal Atom Spectrom 2003 **18** (11) 1404
 Antimony and chromium determination in Brazilian sugar cane spirit, cachaca, by electrothermal atomic absorption spectrometry using matrix matching calibration and ruthenium as permanent modifier

Capelo JL, Pedro HA, Mota AM// Inst Super Tecn, Dept Engn Quim, Avda Rovisco Pais, PT-1049-001 Lisbon, Portugal
Talanta 2003 **61** (4) 485
 Ozone treatment for mercury determination in white wines

Cava-Montesinos P, De la Guardia A, Teutsch C, Cervera ML, De la Guardia M*// *Univ Valencia, Dept Analyt Chem, Res Bldg, 50 Dr Moliner St, ES-46100 Valencia, Spain
Anal Chim Acta 2003 **493** (2) 195
 Non-chromatographic speciation analysis of arsenic and antimony in milk hydride generation atomic fluorescence spectrometry

Fernandes AP, De Moraes M*, Neto JAG// *Univ Estadual Paulista, Inst Quim, POB 355, BR-14801-970 Araraquara, SP, Brazil
Atom Spectrosc 2003 **24** (5) 179
 Flow injection AAS determination of Cd, Cu, and Pb at trace levels in wine using solid phase extraction

Haldimann M, Wegmuller R, Zimmermann M// Swiss Fed Off Publ Hlth, Div Food Sci, CH-3003 Bern, Switzerland
Eur Food Res Technol 2003 **218** (1) 96
 Determination of iodine concentration in salt dual fortified with iron and iodine

Huerta VD, Reyes LH, Marchante-Gayon JM, Sanchez MLF, Sanz-Medel A*// *Univ Oviedo, Dept Phys & Analyt Chem, C/ Julian Claveria 8, ES-33006 Oviedo, Spain
J Anal Atom Spectrom 2003 **18** (10) 1243
 Total determination and quantitative speciation analysis of selenium in yeast and wheat flour by isotope dilution analysis ICP-MS

Lemos VA, Baliza PX, Yamaki RT, Rocha ME, Alves APO// Univ Estadual Sudoeste Bahia, Lab Quim Analit, Campus Jequie, BR-45200-000 Jequie, BA, Brazil
Talanta 2003 **61** (5) 675
 Synthesis and application of a functionalized resin in on-line system for copper preconcentration and determination in foods by flame atomic absorption spectrometry

Li PC, Jiang SJ*// *Natl Sun Yat Sen Univ, Dept Chem, Kaohsiung 80424, Taiwan
Anal Chim Acta 2003 **495** (1-2) 143
 Electrothermal vaporization inductively coupled plasma-mass spectrometry for the determination of Cr, Cu, Cd, Hg and Pb in rice flour

Locatelli C, Torsi G// Univ Bologna, Dept Chem G Ciamician, Via F Selmi 2, IT-40126 Bologna, Italy
Microchem J 2003 **75** (3) 233
 Analytical procedures for the simultaneous voltammetric determination of heavy metals in meals

Misiego AS, Carra RMGM, Carracedo MPA// Univ Extremadura, Dept Quim Anal & Electroquim, ES-06071 Badajoz, Spain
Anal Chim Acta 2003 **494** (1-2) 167
 Trace-element analysis in biological fluids: Evaluation of contamination in samples collected with metallic needles

Montel A, de Pradena JM, Gervas JM, Bustamante GA, Lopez-Colon JL// Hosp Cent Defensa, Inst Med Prevent Ejercito, Glorieta Ejercito s/n, ES-28047 Madrid, Spain

Atom Spectrosc 2003 **24** (5) 173
 A rapid method for the determination of selenium in blood and serum by ETAAS with Zeeman background correction

Narin I, Soylak M*// *Erciyes Univ, Fac Art & Sci, Dept Chem, TR-38039 Kayseri, Turkey
Anal Chim Acta 2003 **493** (2) 205
 Enrichment and determinations of nickel(II), cadmium(II), copper(II), cobalt(II) and lead(II) ions in natural waters, table salts, tea and urine samples as pyrrolydine dithiocarbamate chelates by membrane filtration-flame atomic absorption spectrometry combination

Reyes LH, Marchante-Gayon JM, Alonso JIG*, Sanz-Medel A// *Univ Oviedo, Dept Phys & Analyt Chem, C/ Julian Claveria 8, ES-33006 Oviedo, Spain
J Anal Atom Spectrom 2003 **18** (10) 1210
 Quantitative speciation of selenium in human serum by affinity chromatography coupled to post-column isotope dilution analysis ICP-MS

Song K, Cha H, Park SH, Lee YI// Korea Atom Energy Res Inst, Lab Quantum Opt, POB 105, Yusong, Taejon 305 600, South Korea
Microchem J 2003 **75** (2) 87
 Determination of trace cobalt in fruit samples by resonance ionization mass spectrometry

Trevizan LC, Nogueira ARA, Nobrega JA*// *Univ Fed Sao Carlos, Dept Quim, Grp Anal Instrumental Aplicada, Caixa Postal 676, BR-13560-970 Sao Carlos, SP, Brazil
Talanta 2003 **61** (2) 81
 Single vessel procedure for acid vapor partial digestion of bovine liver in a focused microwave: Multielement determination by ICP-OES

Waheed S, Zaidi JH, Ahmad S// Pakistan Inst Nucl Sci & Technol, Div Nucl Chem, PO Nilore, Islamabad, Pakistan
J Radioanal Nucl Chem 2003 **258** (1) 73
 Instrumental neutron activation analysis of 23 individual food articles from a high altitude region - Part II. Determination of toxic trace elements

8. Drug, biocide & processing residues

Angioni A, Garau VL, Del Real AA, Melis M, Minelli EV, Tuberoso C, Cabras P*// *Univ Cagliari, Dipt Tossicol, Via Osped 72, IT-09124 Cagliari, Italy
J Agric Food Chem 2003 **51** (23) 6761
 GC-ITMS determination and degradation of captan during winemaking

Barranco A, Alonso-Salces RM, Berrueta LA*, Gallo B, Vicente F, Sarobe M// *Univ Basque Country, Fac Sci, Dept Analyt Chem, POB 644, ES-48080 Bilbao, Spain
J Sep Sci 2003 **26** (17) 1554
 Comparison of two sample clean-up methodologies for the determination of polycyclic aromatic hydrocarbons in edible oils

Boner PL, Liu DDW, Feely WF, Robinson RA, Wu J// Xenobiotic Laboratories Inc, 107 Morgan Lane, Plainsboro, NJ 08536, USA
J Agric Food Chem 2003 **51** (26) 7555
 Determination of flunixin in edible bovine tissues using liquid chromatography coupled with tandem mass spectrometry

Edder P, Vargas S, Ortelli D, Corvi C// Service Protection Consommation, 22 Quai Ernest Ansermet, CH-1205 Geneva, Switzerland
Clin Chem Lab Med 2003 **41** (12) 1608
 Analysis of nitrofurantol metabolites in food by high-performance liquid chromatography with tandem mass spectrometry detection

Garrido-Frenich A, Arrebola FJ, Gonzalez-Rodriguez MJ, Vidal JLM*, Diez NM// *Univ Almeria, Dept Analyt Chem, Almeria, Spain
Anal Bioanal Chem 2003 **377** (6) 1038
 Rapid pesticide analysis, in post-harvest plants used as animal feed, by low-pressure gas chromatography-tandem mass spectrometry

Gfrerer M, Lankmayr E*// Graz Univ Technol, Inst Analyt Chem Micro & Radiochem, Technikerstr 4, AT-8010 Graz, Austria
J Sep Sci 2003 **26** (14) 1230
 Microwave-assisted saponification for the determination of 16 polycyclic aromatic hydrocarbons from pumpkin seed oils

Janoszak B, Blaszczyk U, Warzecha L, Luks-Betlej K, Strozyk M// Med Univ Silesia, Dept Chem, ul Jordana 19, PL-41808 Zabrze, Poland
Chem Anal 2003 **48** (4) 707
 The analysis of aminoazarenes as their derivatives with GC-MS method in the heat-processed meat samples

Michel M, Buszewski B*// *Nicholas Copernicus Univ, Fac Chem, Dept Environm Chem & Ecoanalyt, 7 Gagarin St, PL-87100 Torun, Poland
J Sep Sci 2003 **26** (14) 1269
 Isolation and determination of carbendazim residue from wheat grain by matrix solid-phase dispersion and HPLC

Mickova B, Zrostlikova J, Hajslova J, Rauch P*, Moreno MJ, Abad A, Montoya A// *Univ Chem Technol, Fac Food & Biochem Technol, Dept Biochem & Microbiol, Technicka 3, CZ-166286 Prague, Czech Republic
Anal Chim Acta 2003 **495** (1-2) 123

Correlation study of enzyme-linked immunosorbent assay and high-performance liquid chromatography/tandem mass spectrometry for the determination of *N*-methylcarbamate insecticides in baby food

Peng LM, Farkas T, Loo L, Teuscher J, Kallury K// Phenomenex Inc, 411 Madrid Ave, Torrance, Ca 90501, USA
Am Lab 2003 **35** (21) 10

Rapid and reproducible extraction of acrylamide in French fries using a single solid-phase sorbent

Roach JAG, Andrzejewski D, Gay ML, Nortrup D, Musser SM// USDA, Ctr Food Safety & Appl Nutr, 5100 Paint Branch Pkwy, College Park, Md 20740, USA
J Agric Food Chem 2003 **51** (26) 7547

Rugged LC-MS/MS survey analysis for acrylamide in foods

Shim JH, Shen JY, Kim MR, Lee CJ, Kim IS// Chonnam Natl Univ, Coll Agr & Life Sci, Div Appl Biosci & Biotechnol, Inst Agr Sci & Technol, Kwangju 500 757, South Korea
J Agric Food Chem 2003 **51** (26) 7528

Determination of the fluorquinolone enrofloxacin in edible chicken muscle by supercritical fluid extraction and liquid chromatography with fluorescence detection

Strasser A, Dietrich R, Usleber E, Martlbauer E// Univ Munich, Fac Vet, Inst Hyg & Tech Food Anim Origin, Veterinarstr 13, DE-80539 Munich, Germany
Anal Chim Acta 2003 **495** (1-2) 11

Immunochemical rapid test for multiresidue analysis of antimicrobial drugs in milk using monoclonal antibodies and hapten-glucose oxidase conjugates

Winrow S, Hird S, Brown P**// *Cent Sci Lab, York YO41 1LZ, England
Food Addit Contam 2003 **20** (11) 1064

Determination of the herbicide isoproturon in cereal grains and pasta by LC with LC/MS confirmation

9. Toxins/Allergens

Kim M, Lee J, Shin WS, Durst RA// Korea Food Res Inst, Food Safety Lab, San 46-1, Kyunggi 463 746, South Korea
Food Sci Biotechnol 2003 **12** (4) 430

Flow-injection liposome immunoanalysis system for potato glycoalkaloid

Nogueiras MJ, Gago-Martinez A*, Paniello AI, Twohig M, James KJ, Lawrence JF// *Univ Vigo, Dept Quim Analit & Alimentaria, Campus Univ Vigo, ES-36200 Vigo, Spain
Anal Bioanal Chem 2003 **377** (7-8) 1202

Comparison of different fluorimetric HPLC methods for analysis of acidic polyether toxins in marine phytoplankton

Ventura M, Agut M, Broto-Puig F, Comellas L// Univ Ramon Llull, Inst Quim Sarria, Dept Quim Analit, Via Augusta 390, ES-08017 Barcelona, Spain
Afinidad 2003 **60** (506) 382

Determination of ochratoxin A using solid-phase extraction and narrow-bore HPLC with fluorescence and ESI-MS detector

Ventura M, Vallejos C, Anaya INA, Broto-Puig F, Agut M, Comellas L// Address as above
J Agric Food Chem 2003 **51** (26) 7564

Analysis of ochratoxin A in coffee by solid-phase cleanup and narrow-bore liquid chromatography-fluorescence detector-mass spectrometry

Xu BJ, Wang QJ, Lee JH, Jia XQ, Sung CK**// *Chungnam Natl Univ, Dept Food Sci & Technol, 220 Gung dong, Yusung gu, Taejon 305 674, South Korea
Food Sci Biotechnol 2003 **12** (4) 376

HPLC analysis of citrinin in red yeast rice

10. Additives

Miljkovic-Opsenica DM, Lazarevic K, Ivackovic V, Tesic ZL// Univ Belgrade, Fac Chem, POB 158, YU-11001 Belgrade, Yugoslavia
J Planar Chromatogr Mod TLC 2003 **16** (4) 276

Reversed-phase thin-layer chromatography of some foodstuff dyes

Sato K, Sugimoto N*, Ohta M, Yamazaki T, Maitani T, Tanamoto K// *Natl Inst Hlth Sci, 1-18-1 Kamiyoga, Setagaya ku, Tokyo 158 8501, Japan
Food Addit Contam 2003 **20** (11) 1015

Structure determination of minor red pigment in carthamus red colorant isolated by preparative LC/MS

Tracy M, Kiser R, Slingsby R, Bordunov A, Liu XD// Dionex Chem Corp, 1228 Titan Way, Sunnyvale, Ca 94088, USA
Am Lab 2003 **35** (19) 14

Determination of polar additives in food products using a polar-embedded column

11. Flavours & aromas

Bicchi C, Brunelli C, Cravotto G, Rubiolo P, Galli M, Mendicuti F**// *Univ Alcalá, Dept Quim Fis, ES-28871 Alcalá de Henares, Spain
J Sep Sci 2003 **26** (17) 1479

Cyclodextrin derivatives in enantiomer GC separation of volatiles. Part XXI: Complexation of some terpenoids with 2-*O*-acetyl-3-*O*-methyl- and 2-*O*-methyl-3-*O*-acetyl-6-*O*-*t*-hexyldimethylsilyl- γ -cyclodextrins: Molecular mechanics and molecular dynamics

Cavalli JF, Fernandez X, Lizzani-Cuvelier L*, Loiseau AM// *Nice Sophia Antipolis, Fac Sci, Lab Aromes Synth & Interact, FR-06108 Nice 2, France
J Agric Food Chem 2003 **51** (26) 7709

Comparison of static headspace, headspace solid phase microextraction, headspace sorptive extraction, and direct thermal desorption techniques on chemical composition of French olive oils

Choi HS, Min KC// Shinheung Coll, Dept Food Nutr, Uijongbu shi, Kyungkido 480 701, South Korea
Food Sci Biotechnol 2003 **12** (4) 409

Headspace analyses of *Perilla frutescens* var. *acuta* Kudo by solid-phase microextraction using diverse fibers

Davidek T, Clety N, Devaud S, Robert F, Blank I**// *Nestle Res Ctr, POB 44, CH-1000 Lausanne 26, Switzerland
J Agric Food Chem 2003 **51** (25) 7259

Simultaneous quantitative analysis of Maillard reaction precursors and products by high-performance anion exchange chromatography

Goodridge CF, Beaudry RM, Pestka JJ, Smith DM// Univ Wyoming, Dept Chem, Laramie, WY 82071, USA
J Agric Food Chem 2003 **51** (26) 7533

ELISA for monitoring lipid oxidation in chicken myofibrils through quantification of hexanal-protein adducts

Hattori S, Takagaki H, Fujimori T// Soda Aromat Co Ltd, Anal Ctr, 1573-4 Funakata, Chiba 270 0233, Japan
Food Sci Technol Res 2003 **9** (4) 350

Evaluation of Japanese green tea extract using GC/O with original aroma simultaneously input to the sniffing port method (OASIS)

Im S, Kurata T**// *Niigata Univ, 265-1 Higashijima, Niitsu, Niigata 956 8603, Japan
Food Sci Technol Res 2003 **9** (4) 338

Characterization of off-flavors in porcine liver collected by SDE

Jirovetz L, Buchbauer G, Geissler M, Ngassoum MB, Parmentier M// Univ Vienna, Dept Pharmaceut Chem, Althanstr 14, AT-1090 Vienna, Austria
Eur Food Res Technol 2003 **218** (1) 40

Pulp aroma compounds of untreated, boiled and roasted African pear [*Dacryodes edulis* (G. Don) HJ Lam] fruits from Cameroon by HS-SPME analysis coupled with GC/FID and GC/MS

Lee SJ// Korea Food Res Inst, Sungham, Kyeonggi do 463 746, South Korea
Food Sci Biotechnol 2003 **12** (5) 597

Finding key odorants in foods: Gas chromatography olfactometry (GC/O)

Lvova L, Legin A, Vlasov Y, Cha GS, Nam H// St Petersburg State Univ, Dept Chem, Universitetskaya nab 79, RU-199034 St Petersburg, Russia
Sensor Actuator B-Chem 2003 **95** (1-3) 391

Multicomponent analysis of Korean green tea by means of disposable all-solid-state potentiometric electronic tongue microsystem

Machiels D, Istasse L// Univ Liege, Fac Vet Med, Dept Anim Prod, B43, BE-4000 Liege, Belgium
Talanta 2003 **61** (4) 529

Evaluation of two commercial solid-phase microextraction fibres for the analysis of target aroma compounds in cooked beef meat

Taurino AM, Dello Monaco D, Capone S, Epifani M, Rella R, Siciliano P, Ferrara L, Maglione G, Basso A, Balzarano D// Univ Lecce, Dipt Ingn Innovazione, Via Arnesano, IT-73100 Lecce, Italy
Sensor Actuator B-Chem 2003 **95** (1-3) 123

Analysis of dry salami by means of an electronic nose and correlation with microbiological methods

Turemis N, Kafkas E, Kafkas S, Kurkcuoglu M, Baser KHC// Cukurova Univ, Fac Agr, TR-01330 Adana, Turkey
Chem Nat Compd 2003 **39** (2) 174

Determination of aroma compounds in blackberry by GC/MS analysis

Watts VA, Butzke CE, Boulton RB**// *Univ Calif Davis, Dept Viticulture & Enol, 1 Shields Ave, Davis, Ca 95616, USA
J Agric Food Chem 2003 **51** (26) 7738

Study of aged cognac using solid-phase microextraction and partial least-squares regression

12. Organic acids

Alcazar A, Fernandez-Caceres PL, Martin MJ, Pablos F*, Gonzalez AG// *Univ Sevilla, Fac Chem, Dept Analyt Chem, ES-41012 Seville, Spain
Talanta 2003 **61** (2) 95

Ion chromatographic determination of some organic acids, chloride and phosphate in coffee and tea

Kotani A, Miyaguchi Y, Harada D, Kusu F*// *Tokyo Univ Pharm & Life Sci, Sch Pharm, 1432-1 Horinouchi, Hachioji, Tokyo 192 0392, Japan
Anal Sci 2003 **19** (11) 1473

A disposable voltammetric cell for determining the titratable acidity in vinegar
Torriero AAJ, Salinas E, Battaglini F, Raba J*// *Natl Univ San Luis, Dept Analyt Chem, AR-5700 San Luis, Argentina
Anal Chim Acta 2003 **498** (1-2) 155

Milk lactate determination with a rotating bioreactor based on an electron transfer mediated by osmium complexes incorporating a continuous-flow/ stopped-flow system

13. Animal products

Jerome M, Lemaire C, Verrez-Bagnis W, Etienne M// IFREMER, Lab Biochim Prot & Qual, rue Ile Yeu, BP 21105, FR-44037 Nantes 03, France
J Agric Food Chem 2003 **51** (25) 7326

Direct sequencing method for species identification of canned sardine and sardine-type products

Terrab A, Gonzalez AG, Diez MJ, Heredia FJ*// *Univ Sevilla, Fac Farm, Area Nutr & Bromatol, ES-41012 Seville, Spain
Eur Food Res Technol 2003 **218** (1) 88

Characterisation of Moroccan unifloral honeys using multivariate analysis

14. Plant & microbial products

Akyilmaz E, Dinckaya E// Ege Univ, Fac Sci, Dept Biochem, TR-35100 Izmir, Turkey
Talanta 2003 **61** (2) 113

Development of a catalase based biosensor for alcohol determination in beer samples

Ali A, Strommer J*// *Univ Guelph, Dept Plant Agr, Guelph, Ontario, Canada N1G 2W1
J Agric Food Chem 2003 **51** (25) 7246

A simple extraction and chromatographic system for the simultaneous analysis of anthocyanins and stilbenes of *Vitis* species

Berregi I, Santos JI, Del Campo G, Miranda JI// Univ Basque Country, Fac Chem, Dept Appl Chem, M Lardizabal 3, ES-20018 San Sebastian, Spain
Talanta 2003 **61** (2) 139

Quantitative determination of (-)-epicatechin in cider apple juices by ¹H NMR
Bramati L, Aquilano F, Pietta P// CNR, Ist Tecnol Biomed Avanzate, Via Fratelli Cervi 93, IT-20090 Milan, Italy
J Agric Food Chem 2003 **51** (25) 7472

Unfermented rooibos tea: Quantitative characterization of flavonoids by HPLC-UV and determination of the total antioxidant activity

Breithaupt DE, Weller P, Grashorn MA// Univ Hohenheim, Inst Lebensmittelchem, Garbenstr 28, DE-70599 Stuttgart, Germany
Poult Sci 2003 **82** (3) 395

Quantification of carotenoids in chicken plasma after feeding free or esterified lutein and capsanthin using high-performance liquid chromatography and liquid chromatography-mass spectrometry analysis

Chen CN, Liang CM, Lai JR, Tsai YJ, Tsay JS, Lin JK*// *Natl Taiwan Univ, Coll Med, Grad Inst Biochem & Mol Biol, 1 Jen Ai Rd, Taipei 100, Taiwan
J Agric Food Chem 2003 **51** (25) 7495

Capillary electrophoretic determination of theanine, caffeine, and catechins in fresh tea leaves and oolong tea and their effects on rat neurosphere adhesion and migration

Cozzolino D, Smyth HE, Gishen M// Australian Wine Res Inst, Waite Rd, Urrbrae, POB 197, Glen Osmond, SA 5064, Australia
J Agric Food Chem 2003 **51** (26) 7703

Feasibility study on the use of visible and near-infrared spectroscopy together with chemometrics to discriminate between commercial white wines of different varietal origins

Gonzalez-Rodriguez J, Perez-Juan P, Luque de Castro MD*// *Univ Cordoba, Dept Analyt Chem, Campus Rabanales, Annex C-3, ES-14071 Cordoba, Spain
Anal Bioanal Chem 2003 **377** (7-8) 1190

Superheated liquids for extraction of solid residues from winemaking processes

Gu LW, Kelm MA, Hammerstone JF, Beecher G, Holden J, Haytowitz D,

Prior RL*// *Arkansas Childrens Nutr Ctr, 1120 Marshall St, Little Rock, Ar 72202, USA

J Agric Food Chem 2003 **51** (25) 7513
Screening of foods containing proanthocyanidins and their structural characterization using LC-MS/MS and thiolytic degradation

Hayasaka Y, Kennedy JA*// *Oregon State Univ, Dept Food Sci & Technol, Corvallis, Or 97331, USA

Aust J Grape Wine Res 2003 **9** (3) 210

Mass spectrometric evidence for the formation of pigmented polymers in red wine

Lachenmeier DW, Attig R, Frank W, Athanasakis C*// *Chem & Vet Untersuchungsamt Karlsruhe, Weissenburger Str 3, DE-76187 Karlsruhe, Germany
Eur Food Res Technol 2003 **218** (1) 105

The use of ion chromatography to detect adulteration of vodka and rum

Lee JH, Lee JY, Kim KN, Kim HS// Pulmuone Co Ltd, Inst Food & Culture, Seodaemun POB 146, Seoul 120 600, South Korea

Food Sci Biotechnol 2003 **12** (4) 415

Quantitative analysis of two major flavonoid aglycones in acid hydrolyzed samples of *Angelica keiskei* by HPLC

Leoni O, Cinti S, Aliano N, Tittone ED// Ist Sperimentale Colture Ind, MIPAF, Via Corticella 133, IT-40128 Bologna, Italy

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A rapid chromatographic method for determining the glucosinolate content in crambe seed

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Lim S, Jung SK, Jwa MK// Cheju Natl Univ, Dept Food Sci & Engr, Ara 1-dong, Jeju si, Jeju do 690 756, South Korea

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Melendez-Martinez AJ, Vicario IM, Heredia FJ*// *Univ Sevilla, Fac Farm, Dept Nutr & Food Sci, Area Nutr & Bromatol, ES-41012 Seville, Spain
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Mendes LS, Oliveira FCC, Suarez PAZ, Rubim JC*// *Univ Brasilia, Inst Quim, Lab Mat & Combust, CP 04478, BR-70919-970 Brasilia, DF, Brazil
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Rincon F, Martinez B, Ibanez MV// Dept Bromatol & Technol Alimentos, Campus Rabanales, Edificio C-1, ES-14014 Cordoba, Spain

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