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## Bibliography of analytical, nutritional and clinical methods

(2 weeks journals. Search completed at 16th. June 2004)

### 2. General

Liu G, Su W, Xu Q, Long M, Zhou J, Song S\*// \*Xiamen Univ, Sch Life Sci, Si Ming Rd 422, CN-361005 Xiamen, Peoples Rep China  
*Food Control* 2004 **15** (4) 303  
Liquid-phase hybridization based PCR-ELISA for detection of genetically modified organisms in food

### 3. Amino acids, proteins & enzymes

Bak-Jensen KS, Laugesen S, Roepstorff P, Svensson B\*// \*Carlsberg Lab, Dept Chem, Gamle Carlsberg Vej 10, DK-2500 Copenhagen, Denmark  
*Proteomics* 2004 **4** (3) 728  
Two-dimensional gel electrophoresis pattern (pH 6–11) and identification of water-soluble barley seed and malt proteins by mass spectrometry  
Hurley IP, Coleman RC, Ireland HE, Williams JHH\*// \*Univ Coll Chester, Dept Biol Sci, Chester Ctr Stress Res, Parkgate Rd, Chester CH1 4BJ, England  
*J Dairy Sci* 2004 **87** (3) 543  
Measurement of bovine IgG by indirect competitive ELISA as a means of detecting milk adulteration

### 4. Carbohydrates

Bernardez MM, Miguelez JDM\*, Queijeiro JG// \*Univ Vigo, Fac Ciencias, Area Nutr & Bromatol, Campus Ourense, As Lagoas s/n, ES-32004 Ourense, Spain  
*J Food Compos Anal* 2004 **17** (1) 63  
HPLC determination of sugars in varieties of chestnut fruits from Galicia (Spain)

### 5. Lipids

Kays SE, Barton FE// USDA/ARS, Qual Assessment Res Unit, Richard B Russell Agr Res Ctr, POB 5677, Athens, Ga 30604, USA  
*J Agric Food Chem* 2004 **52** (6) 1669  
Energy from fat determined by near-infrared reflectance spectroscopy  
Wang YW, Vanstone CA, Parsons WD, Jones PJH\*// \*McGill Univ, Sch Dietet & Human Nutr, Ste Anne de Bellevue, Quebec City, Quebec, Canada H9X 3V9  
*Lipids* 2004 **39** (1) 87  
Validation of a single-isotope-labeled cholesterol tracer approach for measuring human cholesterol absorption

### 6. Vitamins & co-factors

Kok RM, Smith DEC, Dainty JR, Van den Akker JT, Finglas PM, Smulders YM, Jakobs C, De Meer K\*// \*Vrije Univ Med Ctr, Dept Clin Chem, NL-1007 MB Amsterdam, The Netherlands  
*Anal Biochem* 2004 **326** (2) 129  
5-Methyltetrahydrofolic acid and folic acid measured in plasma with liquid chromatography tandem mass spectrometry: Applications to folate absorption

and metabolism

Perez-Ruiz T, Martinez-Lozano C, Sanz A, Guillen A// Univ Murcia, Fac Chem, Dept Analyt Chem, ES-30071 Murcia, Spain  
*J Pharm Biomed Anal* 2004 **34** (3) 551  
Successive determination of thiamine and ascorbic acid in pharmaceuticals by flow injection analysis  
Portela JG, Costa ACS, Teixeira LSG\*// \*Univ Salvador - UNIFACS, Dept Engn & Arquitetura, Avda Cardeal da Silva 132, BR-40220-141 Salvador, BA, Brazil  
*J Pharm Biomed Anal* 2004 **34** (3) 543  
Determination of vitamin B<sub>6</sub> in pharmaceutical formulations by flow injection-solid phase spectrophotometry  
Sanchez-Machado DI, Lopez-Cervantes J, Lopez-Hernandez J\*, Paseiro-Losada P// \*Univ Santiago de Compostela, Fac Farm, Dept Quim Analit Nutr & Bromatol, La Coruna, Spain  
*J Chromatogr Sci* 2004 **42** (3) 117  
Simultaneous determination of thiamine and riboflavin in edible marine seaweeds by high-performance liquid chromatography

### 7. Trace elements & minerals

Kannamkumarath SS, Wrobel K, Wrobel K, Caruso JA\*// \*Univ Cincinnati, Dept Chem, Cincinnati, Oh 45221, USA  
*J Agric Food Chem* 2004 **52** (6) 1458  
Speciation of arsenic in different types of nuts by ion chromatography-inductively coupled plasma mass spectrometry

### 8. Drug, biocide & processing residues

Barcelo-Barrachina E, Moyano E, Puignou L, Galceran MT\*// \*Univ Barcelona, Dept Quim Analit, Marti i Franques 1-11, ES-08028 Barcelona, Spain  
*J Chromatogr A* 2004 **1023** (1) 67  
Evaluation of different liquid chromatography-electrospray mass spectrometry systems for the analysis of heterocyclic amines  
Sin DWM, Wong YC\*, Ip ACB// \*Govt Lab, 7/F Homantin Govt Off, 88 Chung Hau St, Homantin, Hong Kong, Peoples Rep China  
*J Pharm Biomed Anal* 2004 **34** (3) 651  
Quantitative analysis of lincomycin in animal tissues and bovine milk by liquid chromatography electrospray ionization tandem mass spectrometry

### 9. Toxins/Allergens

Ensafi AA, Emadi M// Esfahan Univ Technol, Coll Chem, Iman Khomini Blvd, IR-84156 Esfahan, Iran  
*Anal Lett* 2004 **37** (2) 321  
Spectrophotometric reaction rate method for determination of oxalic acid in food based on its enhancing effect on the oxidation of pyrocatechol violet by dichromate  
Jestoi M, Ritieni A, Rizzo A// EELA, Dept Chem, POB 45, FI-00581 Helsinki, Finland  
*J Agric Food Chem* 2004 **52** (6) 1464  
Analysis of the *Fusarium* mycotoxins fusaproliferin and trichothecenes in grains using gas chromatography-mass spectrometry

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.

doi:10.1016/S0308-8146(04)00478-9

Lehmann K, Schweimer K, Neudecker P, Rosch P// Univ Bayreuth, Lehrstuhl Biopolymere, Universitätsstr 30, DE-95447 Bayreuth, Germany  
*J Biomol NMR* 2004 **29** (1) 93  
Sequence-specific <sup>1</sup>H, <sup>13</sup>C and <sup>15</sup>N resonance assignments of Ara h 6, an allergenic 2S albumin from peanut (Letter)

Rastogi S, Dwivedi PD, Khanna SK, Das M\*// \*Ind Toxicol Res Ctr, Food Toxicol Div, POB 80, IN-226001 Lucknow, India  
*Food Control* 2004 **15** (4) 287  
Detection of aflatoxin M<sub>1</sub> contamination in milk and infant milk products from Indian markets by ELISA

Wang ML, Wang JT, Choong YM\*// \*Ta Jen Inst Technol, Dept Food Sci & Technol, 20, Weishinn Rd, Yan-puu Hsiang, Pintung, Taiwan  
*J Food Compos Anal* 2004 **17** (2) 187  
A rapid and accurate method for determination of methanol in alcoholic beverage by direct injection capillary gas chromatography

Zecevic M, Minic D, Stojic D, Zivanovic LJ, Ivanovic I// Fac Pharm Belgrade, Inst Pharmaceut Chem & Drug Anal, Vojvode Stepe 450, POB 146, YU-11000 Belgrade, Yugoslavia  
*Pharmazie* 2004 **59** (3) 175  
Application of experimental design to the development of an HPLC method for the analysis of ochratoxin A in *Triticum aestivum* grain

## 11. Flavours & aromas

Abu-Lafi S, Dembicki JW, Goldschlag P, Hanus LO, Dembitsky VM\*// \*Hebrew Univ Jerusalem, Sch Pharm, Dept Med Chem & Natl Prod, POB 12065, IL-91120 Jerusalem, Israel

*J Food Compos Anal* 2004 **17** (2) 235  
The use of the 'cryogenic' GC/MS and on-column injection for study of organosulfur compounds of the *Allium sativum*

Cullere L, Escudero A, Cacho J, Ferreira V\*// \*Univ Zaragoza, Fac Sci, Dept Analyt Chem, ES-50009 Zaragoza, Spain  
*J Agric Food Chem* 2004 **52** (6) 1653  
Gas chromatography-olfactometry and chemical quantitative study of the aroma of six premium quality Spanish aged red wines

De Villiers A, Vanhoenacker G, Lynen F, Sandra P\*// \*Res Inst Chromatog, Kennedypark 20, BE-8500 Kortrijk, Belgium  
*Electrophoresis* 2004 **25** (4-5) 664

Stir bar sorptive extraction-liquid desorption applied to the analysis of hop-derived bitter acids in beer by micellar electrokinetic chromatography

Jiang Y, Lu HT, Chen F\*// \*Univ Hong Kong, Dept Bot, Hong Kong, Peoples Rep China

*J Chromatogr A* 2004 **1033** (1) 183  
Preparative purification of glycyrrhizin extracted from the root of liquorice using high-speed counter-current chromatography

Nam KC, Cordray J, Ahn DU\*// Iowa State Univ, Dept Anim Sci, Ames, Ia 50011, USA

*J Agric Food Chem* 2004 **52** (6) 1735  
Automated dynamic headspace/GC-MS analyses affect the repeatability of volatiles in irradiated turkey

Nielsen GS, Poll L// Royal Vet & Agr Univ, Dept Dairy & Food Sci, Rolighedsvej 30, DK-1958 Frederiksberg C, Denmark  
*J Agric Food Chem* 2004 **52** (6) 1642

Determination of odor active aroma compounds in freshly cut leek (*Allium ampeloprasum* var. Bulga) and in long-term stored frozen unblanched and blanched leek slices by gas chromatography olfactometry analysis

Satake A, Furukawa K, Ueno T, Ukeda H, Sawamura M// Kochi Univ, Fac Agr, Dept Bioresource Sci, Nanko ku, Kochi 783 8502, Japan  
*Biosci Biotechnol Biochem* 2004 **68** (2) 312  
MS fragment isotope ratio analysis for evaluation of citrus essential oils by HRGC-MS

Zalacain A, Alonso GL, Lorenzo C, Iniguez M, Salinas MR\*// \*Univ Castilla La Mancha, ETSI Agron, Campus Univ, ES-02071 Albacete, Spain  
*J Chromatogr A* 2004 **1033** (1) 173

Stir bar sorptive extraction for the analysis of wine cork taint

## 12. Organic acids

Kotani A, Miyaguchi Y, Tomita E, Takamura K, Kusu F\*// \*Tokyo Univ Pharm & Life Sci, Sch Pharm, Dept Analyt Chem, 1432-1 Horinouchi, Hachioji, Tokyo 192 0392, Japan

*J Agric Food Chem* 2004 **52** (6) 1440  
Determination of organic acids by high-performance liquid chromatography with electrochemical detection during wine brewing

Pilz-Guther D, Speer K// TU Dresden, Inst Lebensmittelchem, Bergstr 66, DE-01062 Dresden, Germany

*Dtsch Lebensm-Rundsch* 2004 **100** (3) 84

Development of a GC method for simultaneous determination of organic acids in honey (German, English Abstract)

## 13. Animal products

Rodriguez MA, Garcia T\*, Gonzalez I, Asensio L, Hernandez PE, Martin R// \*Univ Complutense, Fac Vet, Dept Nutr Bromatol & Tecnol Alimentos, ES-28040 Madrid, Spain

*J Agric Food Chem* 2004 **52** (6) 1478  
Quantitation of mule duck in goose foie gras using TaqMan real-time polymerase chain reaction

## 14. Plant & microbial products

Baranowski R, Kabut J, Baranowska I// Silesian Tech Univ, Dept Gen & Analyt Chem, M Strzody 7, PL-44100 Gliwice, Poland  
*Anal Lett* 2004 **37** (1) 157

Analysis of mixture of catechins, flavones, flavanones, flavonols and anthocyanidins by RP-HPLC

De Sa MC, Rodriguez-Amaya DB\*// \*Univ Estadual Campinas, Fac Engn Alimentos, Dept Ciencia Alimentos, CP 6121, BR-13083-970 Campinas, SP, Brazil

*J Food Compos Anal* 2004 **17** (1) 37  
Optimization of HPLC quantification of carotenoids in cooked green vegetables - Comparison of analytical and calculated data

Harland BF, Smikle-Williams S, Oberleas D// Howard Univ, Coll Pharm Nursing & Allied Hlth Sci, Dept Nutr Sci, Washington, DC 20059, USA  
*J Food Compos Anal* 2004 **17** (2) 227

High performance liquid chromatography analysis of phytate (IP6) in selected foods

Hsieh MC, Lin CH\*// \*Natl Taiwan Normal Univ, Dept Chem, 88 Sec 4 Tingchow Rd, Taipei, Taiwan  
*Electrophoresis* 2004 **25** (4-5) 677

On-line identification of *trans*-resveratrol in red wine using a sweeping technique combined with capillary electrophoresis/77 K fluorescence spectroscopy

Kovacs Z, Dinya Z, Antus S// Eszterhazy Karoly Coll, Dept Chem, Leanyka St 4, HU-3300 Eger, Hungary

*J Chromatogr Sci* 2004 **42** (3) 125  
LC-SSI-MS techniques as efficient tools for characterization of nonvolatile phenolic compounds of a special Hungarian wine

Maurer GA, Ozen BF, Mauer LJ\*, Nielsen SS// \*Purdue Univ, Dept Food Sci, 745 Agric Mall Dr, West Lafayette, In 47907, USA  
*J Agric Food Chem* 2004 **52** (6) 1470

Analysis of hard-to-cook red and black common beans using Fourier transform infrared spectroscopy

Mehrlander K, Will F, Dietrich H, Sembries S, Dongowski G// Fachgebiet Weinanalyt & Getrankeforsch, Forschungsanstalt Geisenheim, Rudesheimer Str 28, DE-65366 Geisenheim, Germany  
*Dtsch Lebensm-Rundsch* 2004 **100** (3) 77

Analytical characterisation of grape juices and polyphenol extracts produced with a two-step enzymatic process (German, English Abstract)

Mulinacci N, Prucher D, Peruzzi M, Romani A, Pinelli P, Giaccherini C, Vincieri FF// Dept Pharmaceut Sci, Via G Capponi 9, IT-50121 Florence, Italy  
*J Pharm Biomed Anal* 2004 **34** (2) 349

Commercial and laboratory extracts from artichoke leaves: Estimation of caffeoyl esters and flavonoidic compounds content

Xie F, Dowell FE\*, Sun XZS// \*USDA/ARS, Grain Marketing & Prod Res Ctr, 1515 College Ave, Manhattan, Ks 66502, USA  
*Cereal Chem* 2004 **81** (2) 249

Using visible and near-infrared reflectance spectroscopy and differential scanning calorimetry to study starch, protein, and temperature effects on bread staling

Yu PQ, McKinnon JJ\*, Christensen CR, Christensen DA// \*Univ Saskatchewan, Coll Agr, 51 Campus Dr, Saskatoon, Saskatchewan, Canada S7N 5A8  
*J Agric Food Chem* 2004 **52** (6) 1484

Using synchrotron transmission FTIR microspectroscopy as a rapid, direct, and nondestructive analytical technique to reveal molecular microstructural-chemical features within tissue in grain barley

Zhu XL, Chen B\*, Ma M, Luo XB, Zhang F, Yao SZ, Wan ZT, Yang DJ, Hang HW// \*Human Normal Univ, Chem Res Inst, CN-410081 Changsha, People Rep China  
*J Pharm Biomed Anal* 2004 **34** (3) 695

Simultaneous analysis of theanine, chlorogenic acid, purine alkaloids and catechins in tea samples with the help of multi-dimension information of on-line high performance liquid chromatography/electrospray-mass spectrometry