

Bibliography of analytical, nutritional and clinical methods

(2 weeks journals. Search completed at 21st. July 2004)

1. Books, reviews & symposia

Levin RE// Univ Massachusetts, Dept Food Sci, Massachusetts Agr Expt Stn, 100 Holdsworth Way, Amherst, Ma 01003, USA
Food Biotechnol 2004 **18** (1) 97
The application of real-time PCR to food and agricultural systems. A review

2. General

Bohmner G, Borowski U// Lebensmittelinst Braunschweig, Niedersachsen Landesamt Verbraucherschutz & Lebensmittelsicherheit, Dresdenstr 6, DE-38124 Braunschweig, Germany
Dtsch Lebensm Rundsch 2004 **100** (4) 133

Detection of estrogenic activity by means of a biological test system - Part 2: Investigation of food relevant substances (German, English Abstract)

Hanna GM// FDA, US Dept Hlth & Human Serv, NE Reg Lab, 158-15 Liberty Ave, Jamaica, NY 11433, USA
Pharmazie 2004 **59** (4) 251

NMR regulatory analysis: Determination and characterization of *S*-adenosyl-L-methionine in dietary supplements

Marc F, Davin A, Deglene-Benbrahim L, Ferrand C, Baccaunaud M, Fritsch P// Univ Bordeaux I, Dept Univ Sci Agen, Lab Anal & Valeur Biol Aliments, Ave Michel Settes, FR-47000 Agen, France
Med Sci (Paris) 2004 **20** (4) 458

Studies of several analytical methods for antioxidant potential evaluation in food (French, English Abstract)

3. Amino acids, proteins & enzymes

Caglarirmak N, Kiral AS, Unal K// Gaziosmanpasa Univ, Fac Agr, Dept Food Engn, Tokat, Turkey
J Food Qual 2004 **27** (1) 73

Prediction of the quality of some Turkish wheat genotypes by electrophoretic separation of protein fractions - An exploratory study

Forato LA, Doriguetto AC, Fischer H, Mascarenhas YP, Craievich AF, Colnago LA*// *Embrapa, Rua XV Novembro 1452, BR-13560-970 Sao Carlos SP, Brazil
J Agric Food Chem 2004 **52** (8) 2382

Conformation of the Z19 prolamin by FTIR, NMR, and SAXS

Herrero AM, Carmona P, Careche M*// *Inst Frio - CSIC, Jose Antonio Novais, 10 Ciudad Univ, ES-28040 Madrid, Spain
J Agric Food Chem 2004 **52** (8) 2147

Raman spectroscopic study of structural changes in hake (*Merluccius merluccius* L.) muscle proteins during frozen storage

Nardiello D, Cataldi TRI*// *Univ Basilicata, Dipt Chim, Via N Sauro 85, IT-85100 Potenza, Italy
J Chromatogr A 2004 **1035** (2) 285

Determination of carnosine in feed and meat by high-performance anion-exchange chromatography with integrated pulsed amperometric detection

Sun YX, Ishida T, Hayakawa S// Kagawa Univ, Dept Biochem & Food Sci,

Miki, Kagawa 761 0795, Japan

J Agric Food Chem 2004 **52** (8) 2351

Dielectric study of heat-denatured ovalbumin in aqueous solution by time domain reflectometry method

6. Vitamins & co-factors

Cortes C, Esteve MJ, Frigola A*, Torregrosa F// *Univ Valencia, Fac Farm, Area Nutr & Bromatol, Avda Vicent Andres Estelles s/n, ES-46100 Burjassot, Valencia, Spain

J Agric Food Chem 2004 **52** (8) 2203

Identification and quantification of carotenoids including geometrical isomers in fruit and vegetable juices by liquid chromatography with ultraviolet-diode array detection

Pakin C, Bergaentzle M, Hubscher V, Aoude-Werner D, Hasselmann C*// *Fac Pharm, Lab Chim Analyt Sci Aliment, UMR 7512, 76 Route Rhin, FR-67400 Illkirch Graffenstaden, France
J Chromatogr A 2004 **1035** (1) 87

Fluorimetric determination of pantothenic acid in foods by liquid chromatography with post-column derivatization

8. Drug, biocide & processing residues

Baldock GA, Hayasaka Y*// *Australian Wine Research Inst, POB 197, Glen Osmond, SA 5064, Australia

Aust J Grape Wine Res 2004 **10** (1) 17

Screening method for petroleum-derived aromatic hydrocarbons in wine

Campillo N, Vinas P, Lopez-Gacia I, Aguinaga N, Hernandez-Cordoba A*// *Univ Murcia, Fac Chem, Dept Analyt Chem, ES-30071 Murcia, Spain
J Chromatogr A 2004 **1035** (1) 1

Purge-and-trap capillary gas chromatography with atomic emission detection for volatile halogenated organic compounds determination in waters and beverages

Moreno-Frias M, Jimenez-Torres M, Garrido-Frenich A, Martinez-Vidal JL*, Olea-Serrano F, Olea N// *Univ Almeria, Dept Analyt Chem, ES-04071 Almeria, Spain

Biomed Chromatogr 2004 **18** (2) 102

Determination of organochlorine compounds in human biological samples by GC-MS/MS

Galer D, Hessong S, Beato B, Risk J, Inskeep P, Weerasinghe C, Schneider RP, Langer C, LaPerle J, Renouf D, Bessire A, Espanol E, Rafka R, Ragan C, Boettner W, Murphy T, Keller D, Benchaoui H, Nowakowski MA*// *Pfizer Inc, Pfizer Global Res & Dev, Groton Labs, Eastern Point Rd, Terre Haute, In 47808, USA
J Agric Food Chem 2004 **52** (8) 2179

An analytical method for the analysis of tulathromycin, an equilibrating triamilide, in bovine and porcine plasma and lung

Pittet A, Perisset A, Oberson JM// Nestec Ltd, Nestle Res Ctr, POB 44, Vers-chez-les-Blanc, CH-1000 Lausanne 26, Switzerland
J Chromatogr A 2004 **1035** (1) 128

Trace level determination of acrylamide in cereal-based foods by gas chroma-

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.

tography-mass spectrometry

Schneider MJ, Donoghue DJ// USDA/ARS, Eastern Reg Res Ctr, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA
Poult Sci 2004 **83** (5) 830

Comparison of a bioassay and a liquid chromatography-fluorescence-mass spectrometryⁿ method for the detection of incurred enrofloxacin residues in chicken tissues

Shelver WL, Smith DJ// USDA/ARS, Biosci Res Lab, 1605 Albrecht Blvd, Fargo, ND 58105, USA
J Agric Food Chem 2004 **52** (8) 2159

Enzyme-linked immunosorbent assay development for the β -adrenergic agonist zilpaterol

Wahlen R// LGC Ltd, Queens Rd, Teddington TW11 0YL, England
J Chromatogr Sci 2004 **42** (4) 217

Fast and accurate determination of arsenobetaine in fish tissues using accelerated solvent extraction and HPLC-ICP-MS determination

Yoxall V, Wilson J, Ioannides C*// *Univ Surrey, Sch Biomed & Mol Sci, Mol Toxicol Grp, Guildford GU2 7XH, England
Mutat Res 2004 **559** (1-2) 121

An improved method for the extraction of mutagens from human urine and cooked meat using blue rayon

Zywitz D, Anastasiades M, Scherbaum E// Sitz Fellbach, Chem & Vet Untersuchungsamt Stuttgart, Schaflandstr 3-2, DE-70736 Fellbach, Germany
Dtsch Lebensm Rundsch 2004 **100** (4) 140

Simultaneous determination of macrocyclic lactone insecticides in fruits and vegetables using LC-MS/MS (German, English Abstract)

9. Toxins/Allergens

Asp TN, Larsen S, Aune T// Norwegian Sch Vet Sci, Sect Food Hyg, POB 8146, NO-0033 Oslo, Norway
Toxicon 2004 **43** (3) 319

Analysis of PSP toxins in Norwegian mussels by a post-column derivatization HPLC method

Koller G, Rolle-Kampczyk U, Lehmann I, Popp P, Herbarth O// Ctr Environm Res Leipzig Halle, Dept Human Exposure Res & Epidemiol, Permoserstr 15, DE-04318 Leipzig, Germany
J Chromatogr B 2004 **804** (2) 313

Determination of ochratoxin A in small volumes of human blood serum

Maier NM, Buttinger G, Welhartzki S, Gavioli E, Lindner W// Univ Vienna, Inst Analyt Chem, Währingerstr 38, AT-1090 Vienna, Austria
J Chromatogr B 2004 **804** (1) 103

Molecularly imprinted polymer-assisted sample clean-up of ochratoxin A from red wine: Merits and limitations

Wang ZH, Plakas SM*, El Said KR, Jester ELE, Granade HR, Dickey RW// *US/FDA, Gulf Coast Seafood Lab, POB 158, 1 Iberville Dr, Dauphin Island, Al 36528, USA
Toxicon 2004 **43** (4) 455

LC/MS analysis of brevetoxin metabolites in the Eastern oyster (*Crassostrea virginica*)

10. Additives

Lai JP, Jiang Y, He XW, Huang JC, Chen F*// *Univ Hong Kong, Dept Bot, Pokfulam Rd, Hong Kong, Peoples Rep China
J Chromatogr B 2004 **804** (1) 25

Separation and determination of astaxanthin from microalgal and yeast samples by molecularly imprinted microspheres

11. Flavours & aromas

Calvo-Gomez O, Morales-Lopez J, Lopez MG*// *IPN, Unidad Biotecnol & Ingn Genet Plantas, Ctr Invest & Estudios Avanzados, Apartado Postal 629, MX-36500 Guanajuato, Mexico
J Chromatogr A 2004 **1036** (1) 91

Solid-phase microextraction-gas chromatographic-mass spectrometric analysis of garlic oil obtained by hydrodistillation

Lopez MG, Guzman GR, Dorantes AL// Address as above

J Chromatogr A 2004 **1036** (1) 87

Solid-phase microextraction and gas chromatography-mass spectrometry of

volatile compounds from avocado puree after microwave processing

Vanhoenacker G, De Keukeleire D, Sandra P*// *Res Inst Chromatog, Kennedypark 20, BE-8500 Kortrijk, Belgium
J Chromatogr A 2004 **1035** (1) 53

Analysis of *iso*- α -acids and reduced *iso*- α -acids in beer by direct injection and liquid chromatography with ultraviolet absorbance detection or with mass spectrometry

13. Animal products

Chen TY, Shiau CY, Wei CI, Hwang DF*// *Nat'l Taiwan Ocean Univ, Dept Food Sci, Chilung 202, Taiwan

J Agric Food Chem 2004 **52** (8) 2236

Preliminary study on puffer fish proteome - Species identification of puffer fish by two-dimensional electrophoresis

Dalmasso A, Fontanella E, Piatti P, Civera T, Rosati S, Bottero MT*// *Univ Turin, Dipt Patol Anim, Via Leonardo da Vinci 44, IT-10095 Turin, Italy
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A multiplex PCR assay for the identification of animal species in feedstuffs

Prado M, Casqueiro J, Iglesias Y, Cepeda A, Barros-Velazquez J*// *Univ Santiago de Compostela, Fac Vet, Dept Quim Anal Nutr & Bromatol, Area Tecnol Alimentos, ES-27002 Lugo, Spain
J Sci Food Agric 2004 **84** (6) 505

Application of a polymerase chain reaction (PCR) method as a complementary tool to microscopic analysis for the detection of bones and other animal tissues in home-made animal meals

Simuth J, Bilikova K, Kovacova E, Kuzmova Z, Schroder W// Slovak Acad Sci, Inst Chem, Lab Genet Engr, Dubravska cesta 9, SK-84538 Bratislava, Slovakia

J Agric Food Chem 2004 **52** (8) 2154

Immunochemical approach to detection of adulteration in honey: Physiologically active royal jelly protein stimulating TNF- α release is a regular component of honey

14. Plant & microbial products

Doka O, Bicanic DD*, Dicko MH, Slingerland MA// *Univ Wageningen & Res Ctr, Dept Agrotechnol & Food Sci, Div Biophys, Laser Photoacoust Lab, NL-6700 HA Wageningen, The Netherlands

J Agric Food Chem 2004 **52** (8) 2133

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Hong YJ, Barrett DM, Mitchell AE*// *Univ Calif Davis, Dept Food Sci & Technol, Cruess Hall, 1 Shields Ave, Davis, Ca 95616, USA

J Agric Food Chem 2004 **52** (8) 2366

Liquid chromatography/mass spectrometry investigation of the impact of thermal processing and storage on peach procyanidins

Katsube T, Tabata H, Ohta Y, Yamasaki Y, Anuurad E, Shiwaku K, Yamane Y// Shimane Inst Ind Technol, 1 Hokuryo cho, Matsue, Shimane 690 0816, Japan
J Agric Food Chem 2004 **52** (8) 2391

Screening for antioxidant activity in edible plant products: Comparison of low-density lipoprotein oxidation assay, DPPH radical scavenging assay, and Folin-Ciocalteu assay

Marquez AJ, Maza GB// Junta Andalucia, CIFA Venta del Lano, Estacion Olivicultura & Elaiotecno, ES-23620 Mengibar, Jaen, Spain

Grasas Aceites 2003 **54** (4) 403

Application of differential scanning calorimetry (DSC) at the characterization of the virgin olive oil (Spanish, English Abstract)

Perez MM, Yebra A, Melgosa M, Bououd N, Asselman A, Boucetta A// Univ Granada, Fac Ciencias, Dept Opt, Campus Fuentenueva s/n, ES-18071 Granada, Spain

Grasas Aceites 2003 **54** (4) 392

Colorimetric characterization and classification of the virgin olive oil from the Spanish-Moroccan Mediterranean area (Spanish, English Abstract)

Stober P, Benet S, Hischenhuber C// Nestle Res Ctr, Vers-chez-les-Blanc, CH-1000 Lausanne 26, Switzerland

J Agric Food Chem 2004 **52** (8) 2137

Simplified enzymatic high-performance anion exchange chromatographic determination of total fructans in food and pet food - Limitations and measurement uncertainty