

## Bibliography of analytical, nutritional and clinical methods

(2 weeks journals. Search completed at 20th. Aug. 2003)

### 1, Books, reviews & symposia

Careri A, Mangia A// Univ Parma, Dipt Chim Gen & Inorgan Chim Anal Chim Fis, Parco Area Sci 17/A, IT-43100 Parma, Italy  
*J Chromatogr A* 2003 **1000** (1-2) 609  
Analysis of food proteins and peptides by chromatography and mass spectrometry

Hajslova J, Zrostlikova J// Inst Chem Technol, Dept Food Chem & Anal, Technicka 3, Prague 6, Czech Republic  
*J Chromatogr A* 2003 **1000** (1-2) 181  
Matrix effects in (ultra)trace analysis of pesticide residues in food and biotic matrices

### 3. Amino acids, proteins & enzymes

Castellani O, Martinet V, David-Briand E, Guerin-Dubiard C, Anton M\*// \*Inst Natl Rech Agron, Lab Etud Interact Mol Alimentaires, BP 71627, FR-44316 Nantes 3, France  
*J Chromatogr B* 2003 **791** (1-2) 273  
Egg yolk phosvitin: Preparation of metal-free purified protein by fast protein liquid chromatography using aqueous solvents

Moatsou G, Kandarakis I, Fournarakou S// Univ Agr, Dept Food Sci & Technol, Lab Dairy Technol, Iera Odos 75, GR-11855 Athens, Greece  
*Milchwissenschaft* 2003 **58** (5-6) 274  
Detection of bovine milk in caprine milk by reversed-phase HPLC of caseinomacropolymers

Zhang NT, Nakano T, Ozimek L// Univ Alberta, Dept Agr Food & Nutr Sci, Alberta Dairy Assoc Res Unit, Edmonton, Alberta, Canada  
*Milchwissenschaft* 2003 **58** (5-6) 249  
Purification of lactoferrin from bovine milk, by chromatography on DNA-agarose

### 4. Carbohydrates

Blanco M, Bano RG// Univ Autonoma Barcelona, Fac Ciencies, Dept Quim, Unitat Quim Analit, ES-08193 Barcelona, Spain  
*Anal Lett* 2003 **36** (8) 1607  
Determination of sugars in starch hydrolysates by IR spectroscopy  
Reis A, Domingues MRM, Domingues P, Ferrer-Correia AJ, Coimbra MA\*// \*Univ Aveiro, Dept Quim, PT-3810-193 Aveiro, Portugal  
*Carbohydr Res* 2003 **338** (14) 1497  
Positive and negative electrospray ionisation tandem mass spectrometry as a tool for structural characterisation of acid released oligosaccharides from olive pulp glucuronoxylans

### 5. Lipids

Janssen HG, Boers W, Steenbergen H, Horsten R, Floter E// Unilever Res Labs Vlaardingen, Res & Dev, Cent Analyt Sci Unit, NL-3130 AC Vlaardingen, The Netherlands  
*J Chromatogr A* 2003 **1000** (1-2) 385  
Comprehensive two-dimensional liquid chromatography x gas chromatography: Evaluation of the applicability for the analysis of edible oils and fats

Murgia S, Mele S, Monduzzi M// Univ Cagliari, Dipt Sci Chim, CSGI, Cittadella Monserrato, SS 554 Bivio Sestu, IT-09042 Monserrato, Italy  
*Lipids* 2003 **38** (5) 585

Quantitative characterization of phospholipids in milk fat via <sup>31</sup>P NMR using a monophasic solvent mixture  
Scott SM, James D, Ali Z\*, OHarea WT, Rowell FJ// \*Univ Teeside, Sch Sci & Technol, Middlesborough TS1 3BA, England  
*Analyst* 2003 **128** (7) 966  
Total luminescence spectroscopy with pattern recognition for classification of edible oils

### 6. Vitamins & co-factors

El Gindy A// Suez Canal Univ, Fac Pharm, Dept Pharmaceut Analyt Chem, EG-41522 Ismailia, Egypt  
*J Pharmaceut Biomed Anal* 2003 **32** (2) 277  
Spectrophotometric and LC determination of two binary mixtures containing pyridoxine hydrochloride

Hosotani K, Kitagawa M// Wakayama Univ, Fac Educat, 930 Sakaidani, Wakayama 640 8510, Japan  
*J Chromatogr B* 2003 **791** (1-2) 305  
Improved simultaneous determination method of  $\beta$ -carotene and retinol with saponification in human serum and rat liver

Panfili G, Fratianni A, Irano M// Univ Molise, DISTAAM, Via Sanctis, IT-86100 Campobasso, Italy  
*J Agric Food Chem* 2003 **51** (14) 3940  
Normal phase high-performance liquid chromatography method for the determination of tocopherols and tocotrienols in cereals

Rychlik M// Tech Univ Munich, Inst Lebensmittel Chem, Lichtenbergstr 4, DE-85748 Garching, Germany  
*Analyst* 2003 **128** (7) 832  
Pantothenic acid quantification by a stable isotope dilution assay based on liquid chromatography-tandem mass spectrometry

Seppanen CM, Rahmani M, Csallany AS\*// \*Univ Minnesota, Dept Food Sci & Nutr, 1334 Eckles Ave, St Paul, Mn 55108, USA  
*J Food Sci* 2003 **68** (5) 1644

Simultaneous determination of chlorophylls, pheophytins,  $\beta$ -carotene, tocopherols, and tocotrienols in olive and soybean oils by high-performance liquid chromatography

Wakabayashi H, Onodera K, Yamato S, Shimada K// Niigata Univ Pharm & Appl Life Sci, Fac Pharmaceut Sci, Dept Clin Pharmacotherapy, Niigata 950 2081, Japan  
*Nutrition* 2003 **19** (7-8) 661  
Simultaneous determination of vitamin K analogs in human serum by sensitive and selective high-performance liquid chromatography with electrochemical detection

### 7. Trace elements & minerals

Stefan RI, Bairu SG, Van Staden JF// Univ Pretoria, Dept Chem, ZA-0002 Pretoria, Rep Sth Africa  
*Anal Lett* 2003 **36** (8) 1493  
Diamond paste based electrodes for the determination of iodide in vitamins and table salt

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.

## 8. Drug, biocide & processing residues

Lai P, Cederberg T, Larsen JC, Vinggaard AM// Danish Vet & Food Adm, Inst Food Safety & Nutr, Morkhøj Bygade 19, DK-2860 Soborg, Denmark  
*Food Addit Contam* 2003 **20** (6) 583

Applicability of the CALUX bioassay for screening of dioxin levels in human milk samples

Lee HJ, Watanabe T, Gee SJ, Hammock BD\*// \*Univ Calif Davis, Dept Entomol, 1 Shields Ave, Davis, Ca 95616, USA

*Bull Environ Contam Toxicol* 2003 **71** (1) 14

Application of an enzyme-linked immunosorbent assay (ELISA) to determine deltamethrin residues in milk

Ramos M, Munoz P\*, Aranda A, Rodriguez I, Diaz R, Blanca J// \*Agencia Espanola Seguridad Alimentaria, Unidad Residuos Zoonosarios Ctr Nacl Alimentacion, Madrid, Spain

*J Chromatogr B* 2003 **791** (1-2) 31

Determination of chloramphenicol residues in shrimps by liquid chromatography-mass spectrometry

Sandra P, Tienpont B, David F// Res Inst Chromatog, Kennedyk 20, BE-8500 Kortrijk, Belgium

*J Chromatogr A* 2003 **1000** (1-2) 299

Multi-residue screening of pesticides in vegetables, fruits and baby food by stir bar sorptive extraction-thermal desorption-capillary gas chromatography-mass spectrometry

Shim JH, Lee MH, Kim MR, Lee CJ, Kim IS// Chonnam Natl Univ, Coll Agr & Life Sci, Inst Agr Sci & Technol, Div Appl Biosci & Biotechnol, Kwangju 500 757, South Korea

*Biosci Biotechnol Biochem* 2003 **67** (6) 1342

Simultaneous measurement of fluoroquinolones in eggs by a combination of supercritical fluid extraction and high pressure liquid chromatography

Tadeo JL, Sanchez-Brunete C// INIA, Dept Medioambiente, Carretera de la Coruna km 7, ES-28040 Madrid, Spain

*Chromatographia* 2003 **57** (11-12) 793

Analysis of pesticide residues in fruit juices by matrix-solid phase dispersion and gas chromatographic determination

Yasuhara A, Tanaka Y, Hengel M, Shibamoto T\*// \*Univ Calif Davis, Dept Environm Toxicol, Davis, Ca 95616, USA

*J Agric Food Chem* 2003 **51** (14) 3999

Gas chromatographic investigation of acrylamide formation in browning model systems

## 9. Toxins/Allergens

Imai I, Sugioka H, Nishitani G, Mitsuya T, Hamano Y// Kyoto Univ, Grad Sch Agr, Div Appl Biosci, Lab Marine Environm Microbiol, Kyoto 606 8502, Japan

*Mar Pollut Bull* 2003 **47** (1-6) 114

Monitoring of DSP toxins in small-sized plankton fraction of seawater collected in Mutsu Bay, Japan, by ELISA method: Relation with toxin contamination of scallop

Karovicova J, Kohajdova Z, Simko P, Lukacova D// STU, FCHPT, Dept Food Technol, Radlinskeho 9, SK-81237 Bratislava, Slovakia

*Nahrung* 2003 **47** (3) 188

Using capillary isotachopheresis for the determination of biogenic amines and D-isocitric acid in food products

Molloy JB, Moore CJ, Bruyeres AG, Murray SA, Blaney BJ// Queensland Dept Primary Ind, Anim Res Inst, Agcy Food & Fiber Sci, LMB 4, Moorooka, Qld 4105, Australia

*J Agric Food Chem* 2003 **51** (14) 3916

Determination of dihydroergosine in sorghum ergot using an immunoassay

Nielsen KF, Smedsgaard J// Tech Univ Denmark, Mycol Grp, Biocentrum, Bldg 221, DK-2800 Lyngby, Denmark

*J Chromatogr A* 2003 **1002** (1-2) 111

Fungal metabolite screening: Database of 474 mycotoxins and fungal metabolites for dereplication by standardised liquid chromatography-UV-mass spectrometry methodology

## 11. Flavours & aromas

Ferreira V, Petka J, Aznar M, Cacho J// Univ Zaragoza, Fac Sci, Dept Analyt Chem, ES-50009 Zaragoza, Spain

*J Chromatogr A* 2003 **1002** (1-2) 169

Quantitative gas chromatography-olfactometry. Analytical characteristics of a panel of judges using a simple quantitative scale as gas chromatography detector

Guido LF, Fortunato NA, Rodrigues JA, Barros AA\*// \*Univ Porto, Fac Ciencias, Dept Quim, Ctr Invest Quim, Rua Campo Alegre 687, PT-4169-007

Oporto, Portugal

*J Agric Food Chem* 2003 **51** (14) 3911

Voltammetric assay for the aging of beer

Sanvicens N, Sanchez-Baeza F, Marco MP\*// \*IIQAB - CSIC, Dept Biol Organ Chem, Jordi Girona 18-26, ES-08034 Barcelona, Spain

*J Agric Food Chem* 2003 **51** (14) 3924

Immunochemical determination of 2,4,6-trichloroanisole as the responsible agent for the musty odor in foods. I. Molecular modeling studies for antibody production

Sanvicens N, Varela B, Marco MP\*// \*Address as above

*J Agric Food Chem* 2003 **51** (14) 3932

Immunochemical determination of 2,4,6-trichloroanisole as the responsible agent for the musty odor in foods. II. Immunoassay evaluation

## 12. Organic acids

Xu JM, Wang YP, Xian YZ, Liu MC, Jin LT\*, Tanaka K// \*East China Normal Univ, Dept Chem, CN-200062 Shanghai, Peoples Rep China

*Chromatographia* 2003 **57** (11-12) 751

Determination of electroinactive organic acids in red wine by ion-exclusion chromatography using a poly-*o*-phenylenediamine film modified electrode

## 13. Animal products

Bertram HC, Whittaker AK, Andersen HJ, Karlsson AH// Danish Inst Agr Sci, Dept Food Sci, Res Ctr Foulum, POB 50, DK-8830 Tjele, Denmark

*J Agric Food Chem* 2003 **51** (14) 4072

pH dependence of the progression in NMR  $T_2$  relaxation times in post-mortem muscle

## 14. Plant & microbial products

Abourashed EA, Ganzera M, Khan IA\*, Khan S, Mossa JS, El Feraly FS// \*Univ Mississippi, Natl Ctr Nat Prod Res, University, Ms 38677, USA

*Phytother Res* 2003 **17** (6) 657

HPLC fingerprinting and estimation of the bioactive components of *Clutia richardiana* L. as a potential hypoglycemic herbal tea

Chinnici F, Masino F, Antonelli A// Univ Bologna, Dipt Sci Alimenti, Via Fanin 40, IT-40127 Bologna, Italy

*J Chromatogr Sci* 2003 **41** (6) 305

Determination of furanic compounds in traditional balsamic vinegars by ion-exclusion liquid chromatography and diode-array detection

Gougeon RD, Soulard M, Mische-Brendle J, Chezeau JM, Le Dred R, Jeandet P\*, Marchal R// \*Univ Reims Fac Sci, Lab Oenol, URVVC UPRES EA 2069, BP 1039, Moulin Housse, FR-51687 Reims 2, France

*J Agric Food Chem* 2003 **51** (14) 4096

Analysis of two bentonites of enological interest before and after commercial activation by solid  $\text{Na}_2\text{CO}_3$

Karasek P, Planeta J, Ostra EV, Mikesova M, Golias J, Roth M\*, Vejrosta J// \*Acad Sci Czech Rep, Inst Analyt Chem, Veveri 97, CZ-61142 Brno, Czech Republic

*J Chromatogr A* 2003 **1002** (1-2) 13

Direct continuous supercritical fluid extraction as a novel method of wine analysis: Comparison with conventional indirect extraction and implications for wine variety identification

Robards K// Charles Sturt Univ, Sch Sci & Technol, Locked Bag 588, Wagga Wagga, NSW 2678, Australia

*J Chromatogr A* 2003 **1000** (1-2) 657

Strategies for the determination of bioactive phenols in plants, fruit and vegetables

Shibusawa Y, Yanagida A, Shindo H, Ito Y// Tokyo University Pharm & Life Sci, Sch Pharm, Dept Analyt Chem, 1432-1 Horinouchi, Tokyo 192 0392, Japan

*J Liq Chromatogr Relat Technol* 2003 **26** (9-10) 1609

Separation of apple catechin oligomers by CCC

Taylor AW, Barofsky E, Kennedy JA, Deinzer ML// Oregon State Univ, Dept Chem, Corvallis, Or 97331, USA

*J Agric Food Chem* 2003 **51** (14) 4101

Hop (*Humulus lupulus* L) proanthocyanidins characterized by mass spectrometry, acid catalysis, and gel permeation chromatography

Yu H, Ding YS, Mou SF\*// \*Acad Sinica, Res Ctr Eco Environm Sci, POB 2871, CN-100085 Beijing, Peoples Rep China

*Chromatographia* 2003 **57** (11-12) 721

Direct and simultaneous determination of amino acids and sugars in rice wine by high-performance anion-exchange chromatography with integrated pulsed amperometric detection