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## Bibliography of analytical, nutritional and clinical methods

(5 weeks journals. Search completed at 21st. May 2003)

### 2. General

Lafargue ME, Feinberg MH, Daudin JJ, Rutledge DN// Bureau Interprofess Etudes Anal, 6-14 Ave Louis Roche, FR-92230 Gennevilliers, France  
*Anal Bioanal Chem* 2003 **375** (4) 496  
Homogeneity check of agricultural and food industries samples using near infrared spectroscopy

### 3. Amino acids, proteins & enzymes

Canabate-Diaz B, Carretero AS\*, Cruces-Blanco C, Fernandez-Gutierrez A// \*Univ Granada, Fac Sci, Dept Analyt Chem, C/ Fuentenueva s/n, ES-18071 Granada, Spain

*Analyst* 2003 **128** (4) 411

Determination of the amino acid tryptophan and the biogenic amine tryptamine in foods by the heavy atom induced-room temperature phosphorescence methodology

Careri M, Elviri L\*, Mangia A, Zagnoni I, Agrimonti C, Visioli G, Marmiroli N// \*Dipt Chim Gen & Inorg Chim Anal Chim Fis, Parco Area Sci 17/A, IT-43100 Parma, Italy

*Rapid Commun Mass Spectrom* 2003 **17** (5) 479

Analysis of protein profiles of genetically modified potato tubers by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry

Indyk HE, Filonzi EL// NZMP-Fonterra, POB 7, Waitoa, New Zealand  
*J AOAC Int* 2003 **86** (2) 386

Determination of immunoglobulin G in bovine colostrum and milk by direct biosensor SPR-immunoassay

Kvasnicka F// Inst Chem Technol Prague, Dept Food Preservat & Meat Technol, Technicka 3, CZ-16628 Prague 6, Czech Republic

*Electrophoresis* 2003 **24** (5) 860

Determination of egg white lysozyme by on-line coupled capillary isotachophoresis with capillary zone electrophoresis

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*J Lipid Res* 2003 **44** (3) 645

Analytical performance of a sandwich enzyme immunoassay for preβ1-HDL in stabilized plasma

Niederkofer EE, Tubbs KA, Kiernan UA, Nedelkov D, Nelson RW// \*Intrinsic Bioprobes Inc, Suite 22, 625 5th Smith Rd, Tempe, AZ 85281, USA  
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Patacchini C, Masci S, D'Ovidio R, Lafiandra D// Univ Tuscia, Dipt Agrobiol & Agrochim, via S Camillo de Lellis, IT-01100 Viterbo, Italy  
*J Chromatogr B* 2003 **786** (1-2) 215

Heterologous expression and purification of native and mutated low molecular mass glutenin subunits from durum wheat

Sforza S, Ferroni L, Galaverna G, Dossena A, Marchelli R// Univ Parma, Dipt Chim Organ & Ind, Parco Area Sci 17/A, IT-43100 Parma, Italy  
*J Agric Food Chem* 2003 **51** (8) 2130

Extraction, semi-quantification, and fast on-line identification of oligopeptides in Grana Padano cheese by HPLC-MS

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Dept Chem, Cincinnati, OH 45221, USA

*Anal Bioanal Chem* 2003 **375** (1) 133

Hydrolysis of proteins with methanesulfonic acid for improved HPLC-ICP-MS determination of seleno-methionine in yeast and nuts

### 4. Carbohydrates

Caballo-Lopez A, Luque de Castro MD// \*Univ Cordoba, Dept Analyt Chem, Annex C-3, Campus Rabanales, ES-14071 Cordoba, Spain  
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*J Agric Food Chem* 2003 **51** (7) 1777

Elucidation of pectin methylester distributions by capillary electrophoresis

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Ali Z, James D, O'Hare WT, Rowell FJ, Scott SM// Univ Teeside, Sch Sci & Technol, Middlesbrough TS1 3BA, England

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Radial basis neural network for the classification of fresh edible oils using an electronic nose

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Cordella C, Antinelli JF, Cabrol-Bass D// Agcy Francaise Securite Sanitaire Aliments, 105 Route Chappes, FR-06902 Sophia Antipolis, France

*Trends Anal Chem* 2003 **22** (2) 115

Computer-aided determination of glycerol in food products with GlycerolSoft, a tool for assessing the quality of food

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Brause AR, Woollard DC\*, Indyk RE// \*AgriQual NZ Ltd, POB 41, Auckland, New Zealand

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Determination of total vitamin C in fruit juices and related products by liquid chromatography: Interlaboratory study

Britton NL, Riter KL\*, Smallidge RL, Hillebrandt J// \*Purdue Univ, Off Indi-

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.

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- Determination of ascorbic acid by electrocatalytic voltammetry with methylene blue  
 Hewavitharana AK// CSIRO, Food Sci Australia, POB 3312, Cnr Wynnum & Creek Rds, Tingalpa, Qld 4173, Australia  
*Anal Biochem* 2003 **313** (2) 342
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*J AOAC Int* 2003 **86** (2) 375
- Determination of retinyl palmitate (vitamin A) in fortified fluid milk by liquid chromatography: Collaborative study  
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- The optimization of HPLC-UV conditions for use with FTIR detection in the analysis of B vitamins  
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 Nelson BC, Pfeiffer CM, Margolis SA, Nelson CP// Natl Inst Stand & Technol, Div Analyt Chem, Gaithersburg, Md 20899, USA  
*Anal Biochem* 2003 **313** (1) 117
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 Paixao JA, Campos JM// Univ Fed Pernambuco, Dept Nutr, Cidade Univ, BR-50730-700 Recife, PE, Brazil  
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- Determination of fat soluble vitamins by reversed-phase HPLC coupled with UV detection: A guide to the explanation of intrinsic variability  
 Santra M, Rao VS, Tamhankar SA// Agharkar Res Inst, Genet & Plant Breeding Grp, Plant Sci Div, IN-411008 Pune, India  
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 Staffas A, Nyman A// Swedish Natl Food Adm, Box 622, SE-75126 Uppsala, Sweden  
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- Measurements of sub-nanomolar concentrations of unmetabolised folic acid in serum
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- Determination of lead, cadmium and mercury in microwave-digested food-stuffs by RP-HPLC with an on-line enrichment technique  
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 Perez-Trujillo JP, Barbaste M, Medina B// Univ La Laguna, Fac Chem, Dept Analit Chem Nutr & Food Sci, Tenerife, Spain  
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*J Anal Atom Spectrom* 2003 **18** (3) 268
- Evaluation of two flow injection systems for mercury speciation analysis in fish tissue samples by slurry sampling cold vapor atomic absorption spectrometry  
 Silva HR, Segundo MA, Rangel AOSS// \*Univ Catolica Portuguesa, Escola Super Biotecnol, R Dr Antonio Bernardino de Almeida, PT-4200-072 Oporto, Portugal  
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 Skrzyllewska E, Balcerzak M\*, Vanhaecke F// \*Warsaw Univ Technol, Dept Analit Chem, Noakowskiego 3, PL-00664 Warsaw, Poland  
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- Fast and easy multiresidue method employing acetonitrile extraction/partitioning and "dispersive solid-phase extraction" for the determination of pesticide residues in produce  
 Antunes P, Gil O, Bernardo-Gil MG// \*Inst Super Tecnol, DEQ, Ctr Biol & Chem Engn, Avda Rovisco Pais, PT-1049-001 Lisbon, Portugal  
*J Supercrit Fluid* 2003 **25** (2) 135
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 Barranco A, Alonso-Salces RM, Bakkali A, Berrueta LA\*, Gallo B, Vicente F, Sarobe M// \*Univ Basque Country, Fac Sci, Dept Analyt Chem, POB 644, ES-48080 Bilbao, Spain  
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- Comparative tests to improve the gas chromatographic analysis of chlorobornanes in fish samples  
 Furusawa N// Osaka City Univ, Grad Sch Human Life Sci, Osaka 558 8585, Japan  
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- Simultaneous determination of different antibiotic residues in bovine and in porcine kidneys by solid-phase fluorescence immunoassay
- Pedersen JR, Olsson JO\*// \*Arealia AB, Goteborgsv 91B, SE-43137 Molndal, Sweden  
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## Brazil

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Dutta R, Hines EL, Gardner JW, Udrea DD, Boilot P// Univ Warwick, Sch Engn, Div Elect & Elect Engn, Coventry CV4 7AL, England

*Meas Sci Technol* 2003 **14** (2) 190

Non-destructive egg freshness determination: An electronic nose based approach

El Haddad M, Lazar S\*, El Antri S, Benchekroun MN, Akssira M, Dreux M// \*Univ Hassan II, FST, Lab Chim Bioorgan & Analyt, BP 146, MA-20650 Mohammadia, Morocco

*J Liq Chromatogr Relat Technol* 2003 **26** (5) 751

Comparative study of retention of glucosinolates and inorganic ions on selected silica-based and polymer-based ion exchange columns

Garcia GA, Nahon L, Powis I// \*Univ Nottingham, Sch Chem, Nottingham NG7 2RD, England

*Int J Mass Spectrom* 2003 **225** (3) 261

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Rodriguez-Bencomo JJ, Conde JE, Garcia-Montelongo F, Perez-Trujillo JP// \*Univ La Laguna, Dept Analyt Chem Nutr & Food Sci, ES-38201 Tenerife, Spain

*J Chromatogr A* 2003 **991** (1) 13

Determination of major compounds in sweet wines by headspace solid-phase microextraction and gas chromatography

Roussel S, Bellon-Maurel V, Roger JM, Grenier P// Cemagref Technol & Equipments Agroproc, BP 5095, 361 rue JF Breton, FR-34033 Montpellier 01, France

*Chemometr Intell Lab Syst* 2003 **65** (2) 209

Fusion of aroma, FT-IR and UV sensor data based on the Bayesian inference. Application to the discrimination of white grape varieties

Saha S, Smith RM\*, Lenz E, Wilson ID// \*Loughborough Univ Technol, Dept Chem, Loughborough LE11 3TU, England

*J Chromatogr A* 2003 **991** (1) 143

Analysis of a ginger extract by high-performance liquid chromatography coupled to nuclear magnetic resonance spectroscopy using superheated deuterium oxide as the mobile phase

Van Ruth SM, Buhr K// Natl Univ Ireland, Univ Coll Cork, Dept Food Sci Food Technol & Nutr, Western Rd, Cork, Rep Ireland

*Eur Food Res Technol* 2003 **216** (3) 220

Influence of saliva on temporal volatile flavour release from red bell peppers determined by proton transfer reaction-mass spectrometry

Yamanaka T, Matsumoto R, Nakamoto T// Tokyo Inst Technol, Dept Phys Elect, 2-12-1 Ookayama, Meguro ku, Tokyo 152 8552, Japan

*Sensor Actuator B-Chem* 2003 **89** (1-2) 112

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Bellagamba F, Valfre F, Panseri S, Moretti VM// Univ Milan, Fac Med Vet, Dipt Sci & Technol Vet Sicurezza Alimentare, via Trentacoste 2, IT-20134 Milan, Italy

*J Food Prot* 2003 **66** (4) 682

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Bertram HC, Jakobsen HJ, Andersen HJ, Karlsson AH, Engelsen SB// Danish Inst Agr Sci, Dept Anim Prod Qual, Res Ctr Foulum, POB 50, DK-8830 Tjele, Denmark

*J Agric Food Chem* 2003 **51** (7) 2064

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Lucena R, Gallego M, Cardenas S, Valcarcel M// \*Univ Cordoba, Dept Analyt Chem, Campus Rabanales, ES-14071 Cordoba, Spain

*Anal Chem* 2003 **75** (6) 1425

Autoanalyzer for milk quality control based on the lactose, fat, and total protein contents

Mayr D, Margesin R, Schinner F, Mark TD// \*Innsbruck Univ, Inst Ionenphys, Technikerstr 25, AU-6020 Innsbruck, Austria

*Int J Mass Spectrom* 2003 **223-224** (1-3) 229

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Palisch A, Mergemeier S, Kuhn M// Congen Biotechnol GmbH, Robert Rossle Str 10, DE-13125 Berlin, Germany

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Sun YL, Lin CS// \*Natl Chiao Tung Univ, Dept Biol Sci & Technol, 75 Po Ai St, Hsinchu 300, Taiwan

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Kaundun SS, Matsumoto S// Syngenta Jealotts Hill Int Res Ctr, Bracknell RG42 6EY, England

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Kwon JH, Belanger JMR\*, Pare JRJ// \*Environm Canada, Microwave Assisted Proc Div, 335 River Rd, Ottawa, Ontario, Canada K1A 0H3

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Luo WH, Ang CYW\*, Gehring TA, Heinze TM, Lin LJ, Mattia A// \*US/FDA, Natl Ctr Toxicol Res, Div Chem, 3900 NCTR Rd, Jefferson, Ar 72079, USA

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Luque de Castro MD, Luque-Garcia JL, Mataix E// Univ Cordoba, Div Analyt Chem, Campus Rabanales, Annex C-3, ES-14071 Cordoba, Spain

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