

Bibliography of analytical, nutritional and clinical methods

(3 weeks journals. Search completed at 8th Sept 2004)

1. Books, reviews & symposia

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2. General

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Irudayaraj J, Tewari J// Penn State Univ, Dept Agr & Biol Engr, University Park, Pa 16802, USA
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Christy AA, Egeberg PK, Ostensen ET// Agder Univ Coll, Fac Math & Nat Sci, Dept Chem, Serviceboks 422, NO-4604 Kristiansand, Norway
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Acids extraction from vegetable oils for acid value pH-metric determination without titration

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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Non-destructive determination of fat content in frozen and thawed mackerel by near infrared spectroscopy

Singh S, Chaubey A, Malhotra BD*// *Natl Phys Lab, Biomol Elect & Conducting Polymer Res Grp, Dr KS Krishnan Marg, IN-110012 New Delhi, India
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6. Vitamins & co-factors

Bhosale P, Ermakov IV, Ermakova MR, Gellermann W, Bernstein PS*// *Univ Utah Sch Med, Dept Ophthalmol & Visual Sci, Moran Eye Ctr, 50 Nth Med Dr, Salt Lake City, Ut 84132, USA
J Agric Food Chem 2004 **52** (11) 3281

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Separation of tocopherols by nano-liquid chromatography

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Anjos MJ, Lopes RT, De Jesus EFO, Moreira S, Barroso RC, Castro CRF// Fed Univ Rio de Janeiro, COPPE, Nucl Instrum Lab, POB 68509, BR-21945-970 Rio de Janeiro, Brazil
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Somer G, Unal O// Gazi Univ, Fen Edebiyat Fak, Kimya Bolumu, TR-06500 Ankara, Turkey
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Inductively coupled plasma optical emission spectrometric determination of minerals in thyme honeys and their contribution to geographical discrimination

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Arancibia V, Valderrama M, Rodriguez P, Hurtado F, Segura R// Pontificia Univ Catolica Chile, Fac Quim, Casilla 306, Vicuna Mackenna 4860, Santiago 22, Chile

J Sep Sci 2003 **26** (18) 1710

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Choi ID, Kang EK, Yang JS// *Korea Atom Energy Res Inst, Dept Radiat & Food Sci & Biotechnol, Taejon 305 353, South Korea
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Fuh MRS, Chu SY// Soochow Univ, Dept Chem, POB 86-72, Taipei 111, Taiwan
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Sassine A, Moura S, Leo VM, Bustillos OV// IPEN SP, Avda Prof Lineu Prestes 2242, BR-05508-900 Sao Paulo, Brazil
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9. Toxins/Allergens

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Lee NA, Wang S, Allan RD, Kennedy IR// Univ Sydney, Fac Agr Food & Nat Resources, Sydney, NSW 2006, Australia
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Shefcheck KJ, Musser SM// US/FDA, Ctr Food Safety & Nutr, College Park, Md 20740, USA
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11. Flavours & aromas

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Choi HS, Min KC// Shinheung Coll, Dept Food Nutr, Uijongbu-si, Kyonggi-do 480 701, South Korea
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Fink K, Richling E, Heckel F, Schreier P// *Univ Wurzburg, Lehrstuhl Lebensmittelchem, Am Hubland, DE-97074 Wurzburg, Germany
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Hiserodt RD, Adedeji J, John TV, Dewis ML// Int Flavors & Fragrances Inc, Res & Dev, 1515 State Highway 36, Union Beach, NJ 07735, USA
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Identification of monomethyl succinate, monomethyl glutarate, and dimethyl glutarate in nature by high performance liquid chromatography-tandem mass spectrometry

Peres C, Begnaud F, Eveleigh L, Berdague JL// INRA, Lab Flaveur, FR-63122 St Genes Champanelle, France
Trends Anal Chem 2003 **22** (11) 858

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Pollnitz AP, Pardon KH, Sykes M, Sefton MA// Australian Wine, Res Inst, POB 197, Glen Osmond, SA 5064, Australia
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Sarudi I, Csapo-Kiss Z, Szabo A, Varga-Cseresnyes E// Kaposvar Univ, Fac Anim Sci, Dept Chem, HU-7400 Kaposvar, Hungary
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A potentiometric method for determination of oxidized ketone bodies in milk

Schulz H, Quilitzsch R, Kruger H// Inst Plant Anal, Fed Ctr Breeding Res Cultivated Plants, Neuer Weg 22-23, DE-06484 Quedlinburg, Germany
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Rapid evaluation and quantitative analysis of thyme, origano and chamomile essential oils by ATR-IR and NIR spectroscopy

Tokusoglu O, Balaban MO// Ege Univ, Fac Engn, Dept Food Engn, TR-35100 Izmir, Turkey
J Shellfish Res 2004 **23** (1) 143

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Kinetic determination of L(-)-malic acid in wines using sequential injection analysis

13. Animal products

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

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Mabrook MF, Petty MC// *Univ Durham, Sch Engn, South Rd, Durham DH1 3LE, England

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Practical application of DNA fingerprinting to trace beef

14. Plant & microbial products

Calabro ML, Galtieri V, Cutroneo P, Tommasini S*, Ficarra P, Ficarra R// *Univ Messina, Fac Farm, Dipt Farmacochim, Viale Annunziata, IT-98168 Messina, ME, Italy

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Study of the extraction procedure by experimental design and validation of a LC method for determination of flavonoids in *Citrus bergamia* juice

Chun OK, Kim DO// Michigan State Univ, Dept Food Sci & Human Nutr, 129 GM Trout Bldg, East Lansing, MI 48864, USA

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Clark CJ, McGlone VA, De Silva HN, Manning MA, Burdon J, Mowat AD// HortResearch, Bioengn, Private Bag 3123, Hamilton, New Zealand

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Prediction of storage disorders of kiwifruit (*Actinidia chinensis*) based on visible-NIR spectral characteristics at harvest

Consonni R, Gatti A// Ist Studio Macromol, Lab NMR, Via Bassini 15, IT-20133 Milan, Italy

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Costin JW, Barnett NW, Lewis SW*, McGillivray DJ// *Deakin University, Sch Biol & Chem Sci, Ctr Chiral & Mol Technol, Geelong, Vic 3217, Australia

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Monitoring the total phenolic/antioxidant levels in wine using flow injection analysis with acidic potassium permanganate chemiluminescence detection

Del Rio D, Stewart AJ, Mullen W, Burns J, Lean MEJ, Brighenti F, Crozier A// *Univ Glasgow, Inst Biomed & Life Sci, Div Biochem & Mol Biol, Plant Prod & Human Nutr Grp, Glasgow G12 8QQ, Scotland

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HPLC-MSⁿ analysis of phenolic compounds and purine alkaloids in green and black tea

Ding JY, Jia JW, Yang LT, Wen HB, Zhang CM, Liu WX, Zhang DB// *Shanghai Acad Agr Sci, Agro-biotech Res Ctr, Key Lab Agr Genet & Breeding, 2901 Beidi Rd, Shanghai 201106, Peoples Rep China

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Validation of a rice specific gene, sucrose phosphate synthase, used as the endogenous reference gene for qualitative and real-time quantitative PCR detection of transgenes

Fletcher PJ, Van Staden JF// *Univ Pretoria, Dept Chem, ZA-0002 Pretoria, Gauteng, Rep Sth Africa

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Determination of ethanol in distilled liquors using sequential injection analysis with spectrophotometric detection

Germini A, Zanetti A, Salati C, Rossi S, Forre C, Schmid S, Marchelli R// *Univ Parma, Dipt Chim Organ & Ind, Parma, Italy

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Development of a seven-target multiplex PCR for the simultaneous detection of transgenic soybean and maize in feeds and foods

Harbeck C, Faurie R, Scheper T// *Univ Hannover, Inst Tech Chem, Callinstr 3, DE-30167 Hannover, Germany

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Application of near-infrared spectroscopy in the sugar industry for the detection of betaine

Huang HY, Pan TM// *Natl Taiwan Univ, Inst Microbiol & Biochem, Taipei 106, Taiwan

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Detection of genetically modified maize MON810 and NK603 by multiplex and real-time polymerase chain reaction methods

Ichiiyanagi T, Hatano Y, Matsugo S, Konishi T// Niigata Univ Pharm & Appl Life Sci, Fac Appl Life Sci, Niigata 950 2081, Japan

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Structural dependence of HPLC separation pattern of anthocyanins from bilberry (*Vaccinium myrtillus* L)

Kugler F, Stintzing FC*, Carle R// *Univ Hohenheim, Inst Food Technol, Sect Plant Foodstuff Technol, August Hartmann Str 3, DE-70599 Stuttgart, Germany

J Agric Food Chem 2004 **52** (10) 2975

Identification of betalains from petioles of differently colored Swiss chard (*Beta vulgaris* L. ssp *cicla* [L] Alef cv Bright Lights) by high-performance liquid chromatography-electrospray ionization mass spectrometry

Lachenmeier DW, Kroener L, Musshoff F, Madea B// Chem & Vet Untersuchungsamt Karlsruhe, Weissenburger Str 3, DE-76187 Karlsruhe, Germany

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