

# Bibliography of analytical, nutritional and clinical methods

(Seven weeks journals - Search completed at 24th July 1996)

## 1 BOOKS, REVIEWS & SYMPOSIA

Ishida N, Ogawa H, Koizumi M, Kano H// Natl Food Res Inst, Tsukuba Sci City, Ibaraki 305, Japan

*J Jpn Soc Food Sci Technol* 1996 **43** (2) 103

*In vivo* NMR in agricultural and food sciences (non-destructive estimation of quality foods and agricultural products by NMR) (Review) (Japanese, English Abstract)

James TD, Linnane P, Shinkai S\*// \*ERATO, Shinkai Chemirecogn Project, Aikawa 2432-3, Kurume, Fukuoka 830, Japan  
*Chem Commun* 1996 (3) 281

Fluorescent saccharide receptors: A sweet solution to the design, assembly and evaluation of boronic acid derived PET sensors

Lehtonen P// Alko Grp, Alcohol Control Lab, POB 350, FIN-00101 Helsinki, Finland

*Amer J Enol Viticult* 1996 **47** (2) 127

Determination of amines and amino acids in wine: A review

Marchelli R, Dossena A, Palla G// Univ Parma, Dept Organ & Ind Chem, Viale Sci, I-43100 Parma, Italy

*Trends Food Sci Technol* 1996 **7** (4) 113

The potential of enantioselective analysis as a quality control tool (Review)

Nicolas A// Fac Sci Pharmaceut & Biol Nancy, Lab Chim Analyt, BP 403, 5 rue Albert Lebrun, F-54001 Nancy, France

*J Chromatogr B-Biomed Appl* 1996 **679** (1-2) 210

Analytical strategies for the screening of veterinary drugs and their residues in edible products (Review), by Aerts *et al*: An addendum

Schmidt SJ, Sun XZ, Litchfield JB// Univ Illinois, Dept Food Sci & Human Nutr, 365 Bevier Hall, 905 Sth Goodwin Ave, Urbana, IL 61801, USA

*Crit Rev Food Sci Nutr* 1996 **36** (4) 357

Applications of magnetic resonance imaging in food science

Subramanian KS// Hlth Canada, Environ Hlth Directorate, Tunneys Pasture, Ottawa, Ontario, Canada K1A 0L2

*Spectrochim Acta Pt B-Atom Spect* 1996 **51** (3) 291

Determination of metals in biofluids and tissues: Sample preparation methods for atomic spectroscopic techniques (Review)

Tvorogova MG, Saatov AA, Titov VN// AL Myasnikov Clin Cardiol Inst, Moscow, Russia

*Kardiologiya* 1996 **36** (3) 95

Is single blood cholesterol determination reliable?

## 2 GENERAL

Begley IS, Scrimgeour CM// Scottish Crop Res Inst, Chem Dept, Invergowrie, Dundee DD2 5DA, Scotland

*Rapid Commun Mass Spectrom* 1996 **10** (8) 969

On-line reduction of H<sub>2</sub>O for δ<sup>2</sup>H and δ<sup>18</sup>O measurement by continuous-flow isotope ratio mass spectrometry

Cade-Treyer D, Cade A, Darjo A, Jouvion-Moreno N// Univ Paris 06, 4 Pl Jussieu, F-75252 Paris 05, France

*Electrophoresis* 1996 **17** (3) 479

Isoelectric focusing and titration curves in biomedicine and in agrofood industries: A multimedia teaching program

Low NH// Univ Saskatchewan, Dept Appl Microbiol & Food Sci, Saskatoon, Saskatchewan, Canada S7N 0W0

*Amer Lab* 1996 **28** (6) M35

Food authenticity analysis by anion-exchange liquid chromatography

Mermelstein NH// Address not available

*Food Technol* 1996 **50** (5) 44

Watch for new instruments and techniques

Nussinovitch A, Peleg N, Mey-Tal E// Hebrew Univ Jerusalem, Inst Biochem Food Sci & Nutr, POB 12, IL-76100 Rehovot, Israel

*Food Hydrocolloid* 1996 **10** (2) 137

Apparatus for the continuous monitoring of changes in shrinking gels

Nussinovitch A, Gershon Z// Address as above.

*Food Hydrocolloid* 1996 **10** (2) 263

A rapid method for determining sphericity of hydrocolloid beads

Previs SF, Hazey JW, Diraison F, Beylot M, David F, Brunengraber H\*// \*Case Western Reserve Univ, Dept Nutr, Cleveland, Oh 44106, USA

*J Mass Spectrometry* 1996 **31** (6) 639

Assay of the deuterium enrichment of water via acetylene

Sakai N, Matsuo H, Cheng YD, Hanzawa T// Tokyo Univ Fisheries, Dept Food Sci & Technol, Minato ku, 4-5-7 Konan, Tokyo 108, Japan

*J Jpn Soc Food Sci Technol* 1996 **43** (2) 136

A visualizing and quantitative method for determining of temperature distribution in an imitation food heated by microwave (Japanese, English Abstract)

Sakai N, Cheng YD, Hanzawa T// Tokyo Univ Fisheries, Dept Food Sci & Technol, Minato ku, 4-5-7 Konan, Tokyo 108, Japan

*J Jpn Soc Food Sci Technol* 1996 **43** (2) 181

Dielectric properties of synthetic paste at 2 450 MHz and 915 MHz (Japanese, English Abstract)

Wang ZM, Gallagher D, Nelson ME, Matthews DE, Heymsfield SB// Columbia Univ, Coll Phys & Surg, Obesity Res Ctr, 1090 Amsterdam Ave, New York, NY 10025, USA

*Amer J Clin Nutr* 1996 **63** (6) 863

Total-body skeletal muscle mass: Evaluation of 24-h urinary creatinine excretion by computerized axial tomography

## 3 AMINO ACIDS, PROTEINS & ENZYMES

Adisaputro IA, Wu YJ, Etzel MR// Univ Wisconsin, Dept Food Sci, 1605 Linden Ave, Madison, WI 53706, USA

*J Liq Chromatogr Relat Technol* 1996 **19** (9) 1437

Strong cation and anion exchange membranes and beads for protein isolation from whey

Altemueller AG, Rosenberg M\*// \*Univ Calif Davis, Dept Food Sci & Technol, Davis, Ca 95616, USA

*J Food Sci* 1996 **61** (2) 295

Monitoring proteolysis during ripening of full-fat and lowfat cheddar cheeses by reverse-phase HPLC

Bertino E, Prandi GM, Fabris C\*, Cavaletto M, Di Martino S, Cardaropoli S, Calderone V, Conti A// \*Univ Turin, Cattedra Neonatol, Piazza Polonia 94, I-10126 Turin, Italy

*Acta Paediat* 1996 **85** (5) 543

Human milk proteins may interfere in ELISA measurements of bovine β-lactoglobulin in human milk

Ciaffi M, Tozzi L, Lafiandra D// Univ Tuscia, Dept Agrobiol & Agrochem, Viterbo, Italy

*Cereal Chem* 1996 **73** (3) 346

Relationship between flour protein composition determined by size-exclusion high-performance liquid chromatography and dough rheological parameters

Guerrieri N, Alberti E, Lavelli V, Cerletti P// Univ Milan, Dipt Sci Molec Agroaliment, Via Cenoria 2, I-20133 Milan, Italy

*Cereal Chem* 1996 **73** (3) 368

Use of spectroscopic and fluorescence techniques to assess heat-induced molecular modifications of gluten

Hamada JS// USDA, Sthn Reg Res Ctr, New Orleans, La 70179, USA

*J Chromatogr A* 1996 **734** (1) 195

Separation and molecular mass distribution of rice proteins by size-exclusion

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; 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.

high-performance liquid chromatography in a dissociating buffer

Hoover-Plow JL, Boonmark N, Skocir P, Lawn R, Plow EF// Cleveland Clin Fdn, Joseph J Jacobs Ctr Thrombosis & Vasc Biol, Dept Mol Cardiol, Cleveland, Oh 44195, USA

*Arterioscler Thromb Vasc Biol* 1996 16 (5) 656

A quantitative immunoassay for the lysine-binding function of lipoprotein(a): Application to recombinant apo(a) and lipoprotein(a) in plasma

Johansson E// Swedish Univ Agr Sci, Dept Plant Breeding Res, S-26831 Svalov, Sweden

*Plant Breed* 1996 115 (1) 57

Quality evaluation of D-zone  $\alpha$  gliadins in wheat

Langton M, Hermansson AM// SIK, Swedish Inst Food & Biotechnol, POB 5401, S-40229 Gothenburg, Sweden

*Food Hydrocolloid* 1996 10 (2) 179

Image analysis of particulate whey protein gels

Lauriere M, Bouchez I, Doyen C, Eynard L// Ctr INRA Grignon, Lab Chim Biol, CBAI, F-78850 Thiverval Grignon, France

*Electrophoresis* 1996 17 (3) 497

Identification of glycosylated forms of wheat storage proteins using two-dimensional electrophoresis and blotting

Lee KD, Warthesen JJ// Univ Minnesota, Dept Food Sci & Nutr, Minnesota & Sth Dakota Dairy Foods Res Ctr, 1334 Eckles Ave, St Paul, Mn 55108, USA

*J Food Sci* 1996 61 (2) 291

Mobile phases in reverse-phase HPLC for the determination of bitter peptides in cheese

Levieux A, Levieux D// \*INRA, Meat Res Stn, Immunochem Unit, F-63122 St Genes Champane, France

*J Food Biochem* 1996 19 (6) 415

Structural changes between beef oxy- and metmyoglobin as revealed by monoclonal antibodies

Marconi E, Panfili G, Messia MC, Cubadda R, Compagnone D, Palleschi G// Univ Molise, DISTAAM, Via Tiberio 21, I-86100 Campobasso, Italy

*Anal Lett* 1996 29 (7) 1125

Fast analysis of lysine in food using protein microwave hydrolysis and an electrochemical biosensor

Matsumoto T, Yamaura I, Funatsu M// Kumamoto Inst Technol, Dept Appl Microbial Technol, Ikeda 4-22-1, Kumamoto 860, Japan

*Biosci Biotechnol Biochem* 1996 60 (5) 889

Improved purification and spectroscopic properties of squash glutamate decarboxylase

Morel MH, Bonicel J// INRA, Unite Technol Cereales, 2 Pl Viala, F-34060 Montpellier, France

*Electrophoresis* 1996 17 (3) 493

Determination of the number of cysteine residues in high molecular weight subunits of wheat glutenin

Pellegrino L, Resmini P\*, De Noni I, Masotti F// \*State Univ Milan, Dept Food Sci & Technol, I-20133 Milan, Italy

*J Dairy Sci* 1996 79 (5) 725

Sensitive determination of lysinoalanine for distinguishing natural from imitation Mozzarella cheese

Suzuki Y, Takahashi S, Takebe M, Komae K// Natl Agr Res Ctr, 3-1-1 Kanonndai, Tsukuba, Ibaraki 305, Japan

*J Jpn Soc Food Sci Technol* 1996 43 (2) 203

Factors affect protein contents in brown rice estimated by a near infrared spectrometer (Japanese English Abstract)

Szilagyi Z, Vas G, Mady G, Vekey K// Hungarian Acad Sci, Cent Res Inst Chem, Pusztaszeri ut 59-67, H-1025 Budapest, Hungary

*Rapid Commun Mass Spectrom* 1996 10 (9) 1141

Investigation of macromolecules in wines by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry

Torre M, Cohen ME, Corzo N, Rodriguez MA, Diez-Masa JC// \*CSIC, Inst Quim Organ Gen, Juan Cierva 3, E-28006 Madrid, Spain

*J Chromatogr A* 1996 729 (1-2) 99

Perfusion liquid chromatography of whey proteins

Truust H, Johansson G// \*Lund Univ, Dept Biochem, POB 124, S-22100 Lund, Sweden

*J Chromatogr B-Biomed Appl* 1996 680 (1-2) 71

Fractionation of wheat proteins by counter-current distribution using aqueous two-phase systems containing propionic acid

Vazquez-Moreno L, Plata MDC// Ctr Invest Alimentac & Desarrollo, AC Apartado Postal 1735, Hermosillo 83000, Sonora, Mexico

*J Food Biochem* 1996 19 (5) 367

Scale up isolation of immunoglobulins from pig serum by immobilised metal affinity chromatography

Weller A, Stoeva S, Lehmann R, Grubler G, Paulus G, Voelter W// \*Univ Tubingen, Inst Physiol Chem, Phys Biochem Abt, Hoppe Seyler Str 4, D-72076 Tubingen, Germany

*Electrophoresis* 1996 17 (3) 518

Characterization of natural peptides from bovine tissue using capillary electrophoresis, high-performance liquid chromatography, matrix-assisted laser desorption/ionization, and Edman degradation

#### 4 CARBOHYDRATES

Astley T, Birch GG, Drew MGB\*, Rodger PM, Wilden GR// Univ Reading, Dept Chem, Whiteknights, Reading RG6 2AD, England

*Food Chem* 1996 56 (3) 231

Computer modelling studies of the water-structuring properties of carbohydrates and the sweetness response

Bello-Perez LA, Paredes-Lopez O\*, Roger P, Colonna P// \*Cent Invest Estudios Avanzados IPN, Dept Biotechnol & Bioquim, AP 629, 36500 Irapuato, Gto, Mexico

*Food Chem* 1996 56 (2) 171

Amylopectin-properties and fine structure

Cesaro A, Villegas M// Univ Trieste, Dept Biochem Biophys & Macromolec Chem, I-34127 Trieste, Italy

*Food Hydrocolloid* 1996 10 (1) 45

Proton dissociation of ionic polysaccharides: Can the molecular weight be approximated by pH determinations?

Da Silva CEM, Ciacco CF, Barberis GE, Solano WMR, Rettori C// Univ Fed Ceara, Dept Food Technol, BR-60021-970 Fortaleza, Ceara, Brazil

*Cereal Chem* 1996 73 (3) 297

Starch gelatinization measured by pulsed nuclear magnetic resonance

Gopal PK, Richardson RK// New Zealand Dairy Res Inst, Private Box 11029, Palmerston North, New Zealand

*Int Dairy J* 1996 6 (4) 399

A rapid and sensitive method for estimation of galactose in Parmesan cheese

Henshall A// Dionex Chem Corp, Sunnyvale, Ca 94086, USA

*Cereal Food World* 1996 41 (5) 419

Analysis of starch and other complex carbohydrates by liquid chromatography

Izawa M, Takashio M, Tamaki T// Sapporo Breweries Ltd, Brewing Res Labs, 10 Okatohme, Shizuoka 425, Japan

*J Inst Brew* 1996 102 (3) 183

Determination of high molecular weight  $\beta$ -glucan in wort and beer using a post-column calcofluor flow-injection-analysis (FIA)

Kearney M, Rearick DE// Amalgamated Sugar Co, Res Lab, Twin Falls, Id 83301, USA

*Int Sugar J* 1996 98 (1168) 144

Raw juice chromatographic separation process: Developments by the Amalgamated Sugar Company

Kim YK, Sakano Y// \*Tokyo Univ Agr & Technol, Dept Appl Biol Sci, 3-5-8 Saiwai cho, Fuchu, Tokyo 183, Japan

*Biosci Biotechnol Biochem* 1996 60 (4) 594

Analyses of reducing sugars on a thin-layer chromatographic plate with modified Somogyi and Nelson reagents, and with copper bicinchoninate

Li BW// USDA/ARS, Beltsville Human Nutr Res Ctr, Food Compos Lab, Beltsville, Md 20705, USA

*J AOAC Int* 1996 79 (3) 718

Determination of sugars, starches, and total dietary fiber in selected high-consumption foods

Mannino SI, Cosio MS, Zimei P// Univ Milan, Dipt Sci & Tecnol Alimentari & Microbiol, Via Celoria 2, I-20133 Milan, Italy

*Electroanal* 1996 8 (4) 353

Microdialysis sampling and high-performance liquid chromatography with amperometric detection for sugar analysis in milk products

Manzanares P, Sendra JM// \*Asociac Invest Cerveza & Malta, Apartado Correos 73, E-46100 Burjassot, Spain

*J Cereal Sci* 1996 23 (3) 293

Determination of total (1 $\rightarrow$ 3),(1 $\rightarrow$ 4)- $\beta$ -D-glucan in barley and malt flour samples

Martinez C, Prodoliet J// Nestec Ltd, Nestle Res Ctr, Qual & Safety Assurance Dept, POB 44, CH-1000 Lausanne 26, Switzerland

*Starch* 1996 48 (3) 81

Determination of amylose in cereal and non-cereal starches by a colorimetric assay: Collaborative study

Martinez C// Nestec Ltd, Nestle Res Ctr, Qual & Safety Assurance Dept, POB 44, CH-1000 Lausanne 26, Switzerland

*Starch* 1996 48 (3) 86

Determination of amylose in flour by a colorimetric assay: Collaborative study

Mathlouthi M, Hutteau F, Angiboust JF// Univ Reims Champagne-Ardenne, Lab Chim Phys Ind, BP 347, F-51062 Reims, France

*Food Chem* 1996 56 (3) 215

Physicochemical properties and vibrational spectra of small carbohydrates in aqueous solution and the role of water in their sweet taste

Mayer M, Genrich M, Kunnecke W, Bilitewski U// \*Gesell Biotechnol Forsch

- MbH, Mascheroder Weg 1, D-38124 Braunschweig, Germany  
*Anal Chim Acta* 1996 **324** (1) 37  
Automated determination of lactulose in milk using an enzyme reactor and flow analysis with integrated dialysis
- Mestres C, Matencio F, Pons B, Yajid M, Fliedel G// CIRAD, CA, Lab Technol Cereales, Maison Technol, BP 5035, F-34032 Montpellier 1, France  
*Starch* 1996 **48** (1) 2  
A rapid method for the determination of amylose content by using differential scanning calorimetry
- Nagamine T, Komae K// Natl Agr Res Ctr, Crop Breeding Dept, Kannondai 3-1-1, Tsukuba, Ibaraki 305, Japan  
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Improvement of a method for chain-length distribution analysis of wheat amylopectin
- Seow CC, Teo CH// Univ Sains Malaysia, Food Technol Div, George Town 11800, Malaysia  
*Starch* 1996 **48** (3) 90  
Staling of starch-based products: A comparative study by firmness and pulsed NMR measurements
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Prediction of water activity by determination of moisture, salt and total soluble sugar in "tsukudani" (Japanese, English Abstract)
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*Acta Aliment* 1995 **24** (4) 365  
Determining glucose content in juices with biosensor
- Wilson TE// Colonial Sugars Inc, Gramercy, La 70052, USA  
*Int Sugar J* 1996 **98** (1168) 169  
A comparison of raw sugar polarisation methods: High wavelength (NIR) versus ICUMSA Method GS1/2/3-1 (1994)
- Yeh AI, Li JY// Natl Taiwan Univ, Grad Inst Food Sci & Technol, Lane 144, Keelung Rd, Sec 4, Taipei 10764, Taiwan  
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A continuous measurement of swelling of rice starch during heating
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- Anklam E, Lipp M, Wagner B// Commiss European Union, Joint Res Ctr, Inst Environm, I-21020 Ispra, Italy  
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HPLC with light scatter detector and chemometric data evaluation for the analysis of cocoa butter and vegetable fats
- Baudimant G, Maurice M, Landrein A, Durand G, Durand P// IFREMER, Lab Biochim & Mol Marines, rue Ile Yeu, F-44311 Nantes, France  
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Purification of phosphatidylcholine with high content of DHA from squid *Ilex argentinus* by countercurrent chromatography
- Bergana MM, Lee TW// Abbott Labs, Ross Prod Div, 625 Cleveland Ave, Columbus, Oh 43215, USA  
*J Amer Oil Chem Soc* 1996 **73** (5) 551  
Structure determination of long-chain polyunsaturated triacylglycerols by high-resolution <sup>13</sup>C nuclear magnetic resonance
- Bocci F, Frega N// Dipt Sci & Tecnol, Alimentari & Microbiol, Sezione Ind & Tecnol Alimentari, Via Donizetti 6, Florence, Italy  
*J Amer Oil Chem Soc* 1996 **73** (6) 713  
Analysis of the volatile fraction from sunflower oil extracted under pressure
- Canizares MP, Tena MT, Luque de Castro MD// \*Univ Cordoba, Dept Analyt Chem, E-14004 Cordoba, Spain  
*Anal Chim Acta* 1996 **323** (1-3) 55  
On line coupling of a liquid-liquid extraction flow-reversal system to a spectrophotometric flow-through sensor for the determination of polyphenols in olive oil
- Costa CCG, Dorland L, Kroon M, Tavares de Almeida I, Jakobs C, Duran M// \*Univ Children's Hosp Het Wilhelmina Kinderziekenhuis, Nieuwe Gracht 137, 3512 LK Utrecht, The Netherlands  
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- De Blas OJ, Del Valle-Gonzalez A// Univ Salamanca, Dept Analyt Chem Nutr & Food Sci, E-37008 Salamanca, Spain  
*J AOAC Int* 1996 **79** (3) 707  
Gas chromatographic differentiation of virgin, refined, and solvent-extracted olive oils
- Du QZ, Shu AM, Ito Y// Chinese Acad Agr Sci, Tea Res Inst, Hangzhou 310008, Peoples Rep China  
*J Liq Chromatogr Relat Technol* 1996 **19** (9) 1451  
Purification of fish oil ethyl esters by high-speed countercurrent chromatography using non-aqueous solvent systems
- Dubois J, Van de Voort FR\*, Sedman J, Ismail AA, Ramaswamy HR// \*McGill Univ, Dept Food Sci & Agr Chem, IR Grp, Macdonald Campus, St Anne de Bellevue, Quebec, Canada H9X 3V9  
*J Amer Oil Chem Soc* 1996 **73** (6) 787  
Quantitative Fourier transform infrared analysis for anisidine value and aldehydes in thermally stressed oils
- Erhan SM, Kleiman R, Abbott TP// USDA/ARS, NCAUR, New Crop Res, 1815 Nth Univ St, Peoria, Il 61604, USA  
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*Rapid Commun Mass Spectrom* 1996 **10** (8) 903  
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- Gan IET, Schier GM// Illawarra Reg Hosp, Dept Biochem, Wollongong, NSW, Australia  
*Aust N Z J Med* 1996 **26** (2) 246  
The Illawarra study to evaluate the Chemcard Cholesterol Test (Reply)
- Hampson JW, Jones KC, Foglia TA, Kohout KM// USDA/ARS, ERRC, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA  
*J Amer Oil Chem Soc* 1996 **73** (6) 717  
Supercritical fluid extraction of meat lipids: An alternative approach to the identification of irradiated meats
- Harris N, Galpichian V, Rifai N// Children's Hosp, Dept Lab Med, 300 Longwood Ave, Boston, Ma 02115, USA  
*Clin Chem* 1996 **42** (5) 738  
Three routine methods for measuring high-density lipoprotein cholesterol compared with the reference method
- Ichihara K, Shibahara A, Yamamoto K, Nakayama T// Kyoto Prefectural Univ, Dept Agr Chem, Kyoto 606, Japan  
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An improved method for rapid analysis of the fatty acids of glycerolipids
- Iriyama K, Tsuchibashi T, Miki C, Kalembeyi I, Li H, Urata H, Saitoh R// Mie Univ, Dept Surg II, 2-174 Edobashi, Tsu, Mie 514, Japan  
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Elimination rate of fat emulsion particles from plasma in Japanese subjects as determined by a triglyceride clamp technique
- Jie MSFLK, Lam CC, Pasha MK// Univ Hong Kong, Dept Chem, Pokfulam Rd, Hong Kong  
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<sup>13</sup>C nuclear magnetic resonance spectroscopic analysis of the triacylglycerol composition of *Biota orientalis* and carrot seed oil
- Kenar JA, Havrilla CM, Porter NA\*, Guyton JR, Brown SA, Klemp KF, Selinger E// \*Duke Univ, Dept Chem, Durham, NC 27708, USA  
*Chem Res Toxicol* 1996 **9** (4) 737  
Identification and quantification of the regioisomeric cholesteryl linoleate hydroperoxides in oxidized human low density lipoprotein and high density lipoprotein
- Kerwin JL, Torvik JJ// Univ Washington, Dept Bot, Seattle, Wa 98195, USA  
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- Kusaka T, Ishihara S, Sakaida M, Mifune A, Nakano Y, Tsuda K, Ikeda M, Nakano H// Kawasaki Univ Med Welf, Dept Clin Nutr, 288 Matsushima, Kurashiki, Okayama 70101, Japan  
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- Lacki K, Duvnjak Z// \*Univ Ottawa, Dept Chem Engr, Ottawa, Ontario, Canada K1N 6N5  
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- Lebovics VK, Antal M, Gaal O// Natl Inst Food Hyg & Nutr, Dept Food Chem, Gyali ut 3-A, H-1097 Budapest, Hungary  
*J Sci Food Agr* 1996 **71** (1) 22  
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- Levinson SS, Maciejko JJ// Univ Louisville, Dept Pathol, 800 Zorn Ave, Louisville, Ky 40206, USA  
*Clin Chem* 1996 **42** (5) 780  
Direct measurement of LDL cholesterol (Letter)

- Maraschiello C, Diaz I, Regueiro JAG\*// \*IRTA, Unitat Tecnol Analit, Ctr Tecnol Carn, Granja Camps Armet, E-17121 Monells, Girona, Spain  
*J High Res Chromatogr* 1996 19 (3) 165  
Determination of cholesterol in fat and muscle of pig by HPLC and capillary gas chromatography with solvent venting injection
- Mori TA, Croft KD, Puddey IB, Beilin LJ// Univ Western Australia, Dept Med, Med Res Fdn Bldg, Box X 2213 GPO, Perth, WA 6001, Australia  
*Redox Rep* 1996 2 (1) 25  
Analysis of native and oxidized low-density lipoprotein oxysterols using gas chromatography/mass spectrometry with selective ion monitoring
- Nanjee MN, Miller NE// Univ London, St Bartholomew's Hosp & Med Coll, Dept Cardiovasc Biochem, Charterhouse Sq, London EC1M 6BQ, England  
*Clin Chem* 1996 42 (6 Pt 1) 915  
Sequential microenzymatic assay of cholesterol, triglycerides, and phospholipids in a single aliquot
- Oliveira MBPP, Ferreira MA// Univ Oporto, Lab Bromatol, Rua Campo Alegre 823, P-4000 Oporto, Portugal  
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- Pfalzgraz A, Steinhart H// Univ Hamburg, Inst Biochem & Food Chem, Grindelallee 117, D-20146 Hamburg, Germany  
*Fett-Lipid* 1996 98 (2) 81  
Origin of *trans*-fatty acids and their analysis in food, tissue, and blood plasma
- Pinnel V, Vandegans J// Brussels Ctr Microbial & Food Engr, Inst Maurice, Ave Emile Gryson 1, B-1070 Brussels, Belgium  
*J High Res Chromatogr* 1996 19 (5) 263  
GC-MS headspace analysis of the volatile components of soya oil without heating the sample
- Prodromidis MI, Stalikas CD, Tzouvara-Karayanni SM, Karayannis MI\*// \*Univ Ioannina, Analyt Chem Lab, Ioannina, Greece  
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- Rosas-Romero AJ, Herrera JC, Muccini M// Univ Simon Bolivar, Dept Quim, Apdo 89000, Caracas 1080A, Venezuela  
*Ital J Food Sci* 1996 8 (1) 33  
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- Sacchi R, Patumi M, Fontanazza G, Barone P, Fiordiponti P, Mannina L, Rossi E, Segre AL\*// \*CNR, NMR Serv & Ist Strutt Chim, Area Ric, I-00016 Rome, Italy  
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A high-field  $^1\text{H}$  nuclear magnetic resonance study of the minor components in virgin olive oils
- Schectman G, Patsches M, Sasse EA// Med Coll Wisconsin, Dept Med, 8700 West Wisconsin Ave, Milwaukee, WI 53211, USA  
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