

# Bibliography of analytical, nutritional and clinical methods

(Four weeks journals - Search completed at 9th Aug 1995)

## 1 BOOKS, REVIEWS & SYMPOSIA

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*Anal Chem* 1995 67 (12) 127R  
Food

Isengard HD// Univ Hohenheim, Inst Lebensmitteltechnol, Garbenstr 25, D-70599 Stuttgart, Germany  
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Rapid water determination on foodstuffs (Review)

Krebs NF, Miller LV, Naake VL, Lei S, Westcott JE, Fennessey PV, Hambridge KM// Univ Colorado, Sch Med, Pediat Nutr Sect, 4200 East 9th Ave, Box C225, Denver, Co 80262, USA  
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The use of stable isotope techniques to assess zinc metabolism (Review)

Sherma J// Lafayette Coll, Dept Chem, Easton, Pa 18042, USA  
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Spiekerman AM// Scott & White Mem Hosp & Clin, 2401 Sth 31st St, Temple, Tx 76508, USA  
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Nutritional assessment (protein nutriture)

## 2 GENERAL

Bradbury JH// Australian Natl Univ, Div Bot & Zool, APFAN, Canberra, ACT 0200, Australia  
*Food Aust* 1995 47 (4) 158  
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*Int J Food Sci Technol* 1994 29 (6) 699  
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Duce SL, Hall LD// Cambridge Sch Clin Med, Herchel Smith Lab Med Chem, Univ Forvie Site, Robinson Way, Cambridge CB2 2PZ, England  
*J Food Eng* 1995 26 (2) 251  
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Farrer KTH// Glen Ebor, 24 Rosemoor Grove, Chandlers Ford, Southampton SO53 1TB, England  
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Hossain MM// Ind Res Ltd, Nat Prod Proc, POB 31-310, Low Hutt, New Zealand  
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Knudsen I, Ovesen L// Natl Food Agcy, Inst Toxicol, 19 Morkhøj Bygade, DK-2860 Soborg, Denmark  
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Assessment of novel foods: A call for a new and broader GRAS concept

Rodriguez RDP, Rodrigo M, Kelly P// Ctr Invest Quim Aplicado, Apdo Postal 379, Saltillo 25100, Coahuila, Mexico  
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Voudouris N, Hayakawa KI// \*Rutgers State Univ, Cook Coll, Dept Food Sci, New Jersey Agr Expt Stn, POB 231, New Brunswick, NJ 08903, USA  
*J Food Sci* 1995 60 (3) 456  
Probe length and filling material effects on thermal conductivity determined by a maximum slope data reduction method

## 3 AMINO ACIDS, PROTEINS & ENZYMES

Almendral M, Porras MJ, Alonso A, Baez MD, Alonso C// Univ Salamanca, Fac Chem, Dept Analyt Chem Nutr & Food Sci, E-37007 Salamanca, Spain  
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Anderson E, Sze KWC, Sathe SK// \*Florida State Univ, Dept Nutr Food & Movement Sci, Tallahassee, Fl 32306, USA  
*J Agr Food Chem* 1995 43 (6) 1530  
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Bowland EL, Foegeding EA\*, Hamann DD// \*Box 7624, Raleigh, NC 27695, USA  
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Rheological analysis of anion-induced matrix transformations in thermally induced whey protein isolate gels

Coelho RG, Sgarbieri VC// \*Fac Engenharia Alimentos Campinas, Dept Planejamento Alimentar & Nutr, Caixa Postal 6121, Campinas, SP, Brazil  
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*Acta Aliment* 1994 23 (1) 85  
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Dorresteijn E, Ferreira RB\*, Laureano O, Teixeira AR// \*Inst Super Agron, Dept Bot & Engn Biol, P-1399 Lisbon, Portugal  
*Amer J Enol Viticult* 1995 46 (2) 235  
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Kukman IL, Zelenik-Blatnik M, Abram V// Univ Ljubljana, Fac Biotechnol, Dept Food Sci & Technol, Jamnikarjeva 101, Ljubljana 61000, Slovenia  
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Isolation of low-molecular-mass hydrophobic bitter peptides in soybean protein hydrolysates by reversed-phase high-performance liquid chromatography

Lapveteläinen A, Bietz JA, Huebner FR// Univ Turku, Dept Biochem & Food Chem, SF-20500 Turku 50, Finland  
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Reversed-phase high-performance liquid chromatography of oat proteins: Application to cultivar comparison and analysis of the effect of wet processing

Larsson KI, Andren A, Geurts TJ, De Roos AL// Swedish Univ Agr Sci, Dept Food Sci, Box 7051, S-75007 Uppsala, Sweden  
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Laye I, Karleskind D, Morr CV// Ohio State Univ, Dept Food Sci & Technol,

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.

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- Matsudo T, Sasaki M// Kikkoman Foods Inc, Div Res & Dev, 399 Noda, Noda, Chiba 278, Japan  
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 Application of fourth derivative spectroscopy to quantitation of whey protein and casein in total milk protein
- Meusel M, Renneberg R, Spener F\*, Schmitz G// \*Inst Chem & Biochem Sensor Res, Mendelstr 7, D-48149 Munster, Germany  
*Biosens Bioelectron* 1995 **10** (6/7) 577  
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*J Anim Physiol Anim Nutr* 1995 **73** (3) 113  
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- Molinari EA, Pichler PF, Grillhofer H, Kostner GM// Immuno AG Wien, Ind Str 67, A-1221 Vienna, Austria  
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 Immunoturbidimetric determination of lipoprotein(a): Improvement in the measurement of turbid and triglyceride-rich samples
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*Clin Biochem* 1995 **28** (3) 269  
 Measurement of Lp(a) with a two-step monoclonal competitive sandwich ELISA method
- Okumura H, Hara A, Saeki F, Todo T, Adachi S, Yamauchi K// Hokkaido Univ, Fac Fisheries, Dept Biol, Hakodate, Hokkaido 041, Japan  
*Fisheries Science* 1995 **61** (2) 283  
 Development of a sensitive sandwich enzyme-linked immunosorbent assay (ELISA) for vitellogenin in the Japanese eel *Anguilla japonica*
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 In situ location of a starch granule protein in durum wheat endosperm by immunocytochemistry
- Sakamoto H, Kumazawa Y, Kawajiri H, Motoki M// Ajinomoto Co Inc, Food Res & Dev Labs, Kawasaki ku, 1-1 Suzuki cho, Kawasaki, Kanagawa 210, Japan  
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 Study of phospholipids in mucilage (gum) of sunflower, rapeseed, and soja: Analytical approach
- Antoniosi NR, Mendes OL, Lancas FM\*// \*Univ Sao Paulo, Inst Quim, BR-13560-970 Sao Carlos, SP, Brazil  
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 Simultaneous determination of sterols in edible oils by use of a continuous separation module coupled to a gas chromatograph
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- Dowling L, Devery R// Dublin City Univ, Sch Biol Sci, Dublin 9, Rep Ireland  
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Liu LS, Hammond EG\*// \*Iowa State Univ Sci & Technol, Dept Food Sci & Human Nutr, Food Sci Bldg, Ames, IA 50011, USA

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## 6 VITAMINS & CO-FACTORS

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Economou A, Fielden PR\*// \*UMIST, Dept Instrumentat & Analyt Sci, POB 88, Manchester M60 1QD, England

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Jung MY, Kim SK, Kim SY// Jeonju Woosuk Univ, Dept Food Sci & Technol, Samrea 565800, South Korea

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Khurshid SJ// Pakistan Inst Nucl Sci & Technol, Div Nucl Chem, Islamabad, Pakistan

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Muller H// Bundesforsch Anstalt Ernährung, Inst Ernährungsphysiol, Engesserstr 20, D-76133 Karlsruhe, Germany

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Nadkarni VD, Linhardt RJ\*// \*Univ Iowa, Coll Pharm, Div Med & Nat Prod Chem, Iowa City, IA 52242, USA

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Perez-Ruiz T, Martinez-Lozano C, Sanz A// Univ Murcia, Fac Chem, Dept Analyt Chem, E-30071 Murcia, Spain

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## 7 TRACE ELEMENTS & MINERALS

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Barbeira PJS, Mazo LH, Stradiotto NR\*// \*Univ Sao Paulo, FFCLRP, Dept Quim, Avda Bandeirantes 3900, BR-14040-901 Ribeirao Preto, Brazil

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Becker DA// NIST, Chem Sci & Technol Lab, Div Analyt Chem, Nucl Methods Grp, Gaithersburg, Md 20899, USA

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*Anal Chim Acta* 1995 **309** (1-3) 73  
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