

Bibliography of analytical, nutritional and clinical methods

(2 weeks journals. Search completed at 30th Nov. 2005)

2. General

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Moure-Alonso J, Aboal-Somoza M, Bermejo-Barrera P// Univ Santiago de Compostela, Fac Sci, Dept Analyt Chem Nutr & Bromatol, Avda Alfonso X El Sabio s/n, ES-27002 Lugo, Spain
Accredit Qual Assur 2005 **10** (4) 164

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Stockigt D, Schmidt HL, Rossmann A, Christoph N// Symrise GmbH & Co KG, Muhlenfeldstr 1, DE-37603 Holzminden, Germany
Chem Unserer Zeit 2005 **39** (2) 90

Origin and authenticity of foodstuffs: Stable isotope analysis (German, English Abstract)

3. Amino acids, proteins & enzymes

Puerta A, Diez-Masa JC, De Frutos M*// Inst Organ Chem - CSIC, Juan Cierva 3, ES-28006 Madrid, Spain
Anal Chim Acta 2005 **537** (1-2) 69

Development of an immunochromatographic method to determine β -lactoglobulin at trace levels

6. Vitamins & co-factors

Gatti R, Gioia MG// Univ Bologna, Dipt Sci Farmaceut, Via Belmeloro 6, IT-40126 Bologna, Italy
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Liquid chromatographic determination with fluorescence detection of B₆ vitamins and riboflavin in milk and pharmaceuticals

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Leon-Ruiz V, Vera S, San Andres MP*// *Univ Alcalá de Henares, Fac Quim, Dept Quim Analit, Ctra Madrid Barcelona km 33.6, ES-28871 Madrid, Spain
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Sanagi MM, See HH, Ibrahim WAW, Abu Naim A// Univ Teknol Malaysia, Fac Sci, Dept Chem, MY-81310 Skudai, Johor, Malaysia
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Determination of carotene, tocopherols and tocotrienols in residue oil from palm pressed fiber using pressurized liquid extraction-normal phase liquid chromatography

7. Trace elements & minerals

Anderson DL, Mackey EA// USDA, Elemental Res Branch, HFS-338, 5100 Paint Branch Pkwy, College Park, Md, USA

J Radioanal Nucl Chem 2005 **263** (3) 683
Improvements in food analysis by thermal neutron capture prompt gamma-ray spectrometry

Anthemidis A, Arvanitidis V, Stratis JA// Aristotle Univ, Analyt Chem Lab, Dept Chem, GR-54124 Thessaloniki, Greece
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Asfaw A, Wibetoe G*// *Univ Oslo, Dept Chem, POB 1033, NO-0315 Oslo, Norway

Anal Bioanal Chem 2005 **382** (1) 173
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Castro MTPO, Bacchan N// Univ Fed Bahia, Inst Quim, Campus Ondina, BR-40170-290 Salvador, BA, Brazil
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Catarino S, Pimentel I, Curvelo-Garcia AS// Inst Nacl Invest Agraria Pescas, Estacao Vitivinicola Nacl, PT-2565-191 Dois Portos, Portugal
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Determination of copper in wine by ETAAS using conventional and fast thermal programs: Validation of analytical method

Chen S// Wuhan Polytech Univ, Key Lab, CN-430023 Wuhan, Peoples Rep China
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Colina M, Gardiner PHE, Rivas Z, Troncone F// Univ Zulia, Fac Ciencia, Departamento Quimica, Lab Quimica Ambiental, VE-4011 Maracaibo, Zulia, Venezuela
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Coskun N, Akman S*// *Istanbul Tech Univ, Sci & Letters Fac, Dept Chem, TR-34469 Maslak, Istanbul, Turkey
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Direct determination of phosphorus in different food samples by means of solid sampling electrothermal atomic absorption spectrometry using Pd+Ca chemical modifier

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.

- Cunningham WC// US/FDA, Elemental Res Branch, HFS-338, 5100 Paint Branch Pkwy, College Park, Md 20740, USA
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 Analysis of total diet study foods for gamma-ray emitting radionuclides
- Huerta VD, Sanchez MLF, Sanz-Medel A*// *Univ Oviedo, Dept Phys & Analyt Chem, C/ Julian Claveria 8, ES-33006 Oviedo, Spain
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 Qualitative and quantitative speciation analysis of water soluble selenium in three edible wild mushrooms species by liquid chromatography using post-column isotope dilution ICP-MS
- Kannamkumarath SS, Wrobel K, Wuilloud RG// Univ Cincinnati, Dept Chem, Cincinnati, Oh 45221, USA
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 Studying the distribution pattern of selenium in nut proteins with information obtained from SEC-UV-ICP-MS and CE-ICP-MS
- Kumar KS, Krishnaiah L, Babu SH, Suvadnan K, Swaroop LB, Chiranjeevi P*// *Sri Venkateswara Univ, Dept Chem, Environm Monitoring Lab, IN-517502 Tirupati, India
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 Spectrophotometric determination with a chromogenic reagent of lead in vegetables
- Ladra-Ramos N, Dominguez-Gonzalez R, Moreda-Pineiro A, Bermejo-Barrera A, Bermejo-Barrera P*// *Univ Santiago de Compostela, Fac Chem, Dept Analyt Chem Nutr & Bromatol, Avenida Ciencias s/n, ES-15782 Santiago de Compostela, Spain
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- Lee SH, Suh JK// Kyungpook Natl Univ, Dept Chem, Taegu 702 701, South Korea
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 Determination of mercury in tuna fish tissue using isotope dilution-inductively coupled plasma mass spectrometry
- Lemos VA, Baliza PX, Santos JS, Nunes LS, De Jesus AA, Rocha ME// Univ Estadual Sudoeste Bahia, LQA, NQA, Campus Jequeie, BR-45200-000 Jequeie, BA, Brazil
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 A new functionalized resin and its application in preconcentration system with multivariate optimization for nickel determination in food samples
- Li Y, Yan XP*, Dong LM, Wang SW, Jiang Y, Jiang DQ// *Nankai Univ, Dept Chem, Res Ctr Analyt Sci, CN-300071 Tianjin, Peoples Rep China
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 Development of an ambient temperature post-column oxidation system for high-performance liquid chromatography on-line coupled with cold vapor atomic fluorescence spectrometry for mercury speciation in seafood
- Meeravali NN, Reddy MA, Kumar SJ*// *Bhabha Atom Res Ctr, Natl Ctr Composit Characterizat Mat, ECIL Post, IN-500062 Hyderabad, India
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- Vinas P, Lopez-Garcia I, Merino-Merono B, Campillo N, Hernandez-Cordoba M*// *Univ Murcia, Fac Chem, Dept Analyt Chem, ES-30071 Murcia, Spain
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 Coupling continuous ultrasound-assisted extraction, preconcentration and flame atomic absorption spectrometric detection for the determination of cadmium and lead in mussel samples

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- De Prada AGV, Martinez-Ruiz P, Reviejo AJ, Pingarron JM*// *Univ Complutense Madrid, Fac Chem, Dept Analyt Chem, ES-28040 Madrid, Spain
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 Solid-phase molecularly imprinted on-line preconcentration and voltammetric determination of sulfamethazine in milk
- Del Carlo M, Pepe A, Mascini M, De Gregorio M, Visconti A, Compagnone D// Univ Teramo, Dept Food Sci, Via Carlo R Lericci 1, Mosciano Stazione, IT-64023 Teramo, Italy
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- Feng YL, Zhu JP*, Sensenstein R// *Hlth Canada, Div Chem Res, AL: 0800C, EHC Bldg 8, Ottawa, Ontario, Canada K1A 0L2
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- Gonzalez-Rodriguez MJ, Liebanas FJA, Frenich AG*, Vidal JLM// *Univ Almeria, Dept Analyt Chem, ES-04120 Almeria, Spain
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 Development of an ELISA screening test for nitroimidazoles in egg and chicken muscle
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 Comparison of milk residue profiles after oral and subcutaneous administration of benzimidazole anthelmintics to dairy cows
- Navickiene S, Ribeiro ML// Univ Fed Sergipe, Dept Quim, BR-49100-000 Sao Cristovao, SE, Brazil
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 Flow injection analysis of carbofuran in foods using air stable lipid film based acetylcholinesterase biosensor

Nording M, Sporning S, Wiberg K, Bjorklund E, Haglund P// Swedish Def Res Agcy, Cementvagen 20, SE-90182 Umea, Sweden
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Monitoring dioxins in food and feedstuffs using accelerated solvent extraction with a novel integrated carbon fractionation cell in combination with a CAFLUX bioassay

Samanidou VF, Christodoulou EA, Papadoyannis IN*// *Aristotle Univ Thessaloniki, Dept Chem, Analyt Chem Lab, GR-54124 Thessaloniki, Greece
J Sep Sci 2005 **28** (4) 325

Direct determination of five fluoroquinolones in chicken whole blood and in veterinary drugs by HPLC

Samanidou VF, Christodoulou EA, Papadoyannis IN*// *Address as above
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Determination of fluoroquinolones in edible animal tissue samples by high performance liquid chromatography after solid phase extraction

Scortichini G, Annunziata L, Haouet MN, Benedetti F, Krusteva I, Galarini R// Ist Zooprofilatt Sperimentale Abruzzo & Molise G Caporale, Dept Chem, Via Campo Boario, IT-64100 Teramo, Italy
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ELISA qualitative screening of chloramphenicol in muscle, eggs, honey and milk: method validation according to the Commission Decision 2002/657/EC criteria

Shen HY, Jiang HL// Zhejiang Univ, Ningbo Inst Technol, Anal & Testing Ctr, 1st Qianhu Nan Rd, CN-315100 Ningbo, Zhejiang, Peoples Rep China
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Screening, determination and confirmation of chloramphenicol in seafood, meat and honey using ELISA, HPLC-UVD, GC-ECD, GC-MS-EI-SIM and GCMS-NCI-SIM methods

Sin DWM, Ho C, Wong YC, Ho SK, Ip ACB// Govt Lab, 7/F Homantin Govt Off, 88 Chung Hau St, Hong Kong, Peoples Rep China
Anal Chim Acta 2005 **535** (1-2) 23

Analysis of major components of residual bacitracin and colistin in food samples by liquid chromatography tandem mass spectrometry

Snell JP, Quetel CR*// *European Commiss Joint Res Ctr, Inst Reference Mat & Measurements, Retieseweg 111, BE-2440 Geel, Belgium
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SI-traceable certification of methylmercury amount content in a tuna material

Vazquez PP, Garcia MDG, Martinez DB, Galera MM*// *Univ Almeria, Dept Analyt Chem, ES-04120 Almeria, Spain
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Zhang QL, Lian M, Liu LJ, Cui H*// *Univ Sci & Technol China, Dept Chem, Jinzai Rd 96, CN-230026 Hefei, Anhui, Peoples Rep China
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Biselli S, Hartig L, Wegner H, Hummert C// Wiertz-Eggert-Jorissen GmbH, Eurofins, Hamburg, Germany
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Hess P, McGovern E, McMahon T, Morris S*, Stobo LA, Brown NA, Gallacher S, McEvoy JDG, Kennedy G, Young PB, Slattery D// *Ctr Environm Fisheries & Aquaculture Sci, Remembrance Ave, Burnham on Crouch CM0 8HA, England
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Lobeau M, De Saeger S, Sibanda L, Barna-Vetro I, Van Peteghem C// State Univ Ghent, Fac Pharmaceut Sci, Lab Food Anal, Harelbekestr 72, BE-9000 Ghent, Belgium
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Improved high-performance liquid chromatographic method for the determination of domoic acid and analogues in shellfish: Effect of pH

Reinsch M, Topler A, Lehmann A, Nehls I// Fed Inst Mat Res & Testing, Dept Analyt Chem, Richard Willstatter Str 11, DE-12489 Berlin, Germany

Anal Bioanal Chem 2005 **381** (8) 1592

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Soldatkin AP, Arkhypova VN, Dzyadevych SV, El'skaya AV, Gravouille JM, Jaffrezic-Renault N, Martelet C// Natl Acad Sci Ukraine, Inst Mol Biol & Genet, Lab Biomol Elect, 150 Zabolotnogo St, UA-03143 Kiev, Ukraine
Talanta 2005 **66** (1) 28

Analysis of the potato glycoalkaloids by using of enzyme biosensor based on pH-ISFETs

Valle-Algarra FM, Medina A, Gimeno-Adelantado JV, Llorens A, Jimenez M*, Mateo R// *Univ Valencia, Fac Biol, Dept Microbiol & Ecol, Edificio Invest, Despacho 3.74, Dr Moliner 50, ES-46100 Valencia, Spain
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Comparative assessment of solid-phase extraction clean-up procedures, GC columns and perfluoroacylation reagents for determination of type B trichothecenes in wheat by GC-ECD

Yan ZY, Jiao CJ, Wang YP, Li FM, Liang YM, Li ZX*// *Lanzhou Univ, State Key Lab Applied Organ Chem, CN-730000 Lanzhou, Peoples Rep China
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A method for the simultaneous determination of β -ODAP, α -ODAP, homoarginine and polyamines in *Lathyrus sativus* by liquid chromatography using a new extraction procedure

10. Additives

Krokidis AA, Megoulas NC, Koupparis MA*// *Univ Athens, Dept Chem, Analyt Chem Lab, GR-15771 Athens, Greece
Anal Chim Acta 2005 **535** (1-2) 57

EDTA determination in pharmaceutical formulations and canned foods based on ion chromatography with suppressed conductimetric detection

Morales MD, Gonzalez MC, Reviejo AJ, Pingarron JM*// *Univ Complutense Madrid, Fac Chem, Dept Analyt Chem, Ciudad Univ, Av Complutense s/n, ES-28040 Madrid, Spain
Microchem J 2005 **80** (1) 71

A composite amperometric tyrosinase biosensor for the determination of the additive propyl gallate in foodstuffs

Palenzuela B, Simonet BM, Rios A, Valcarcel M*// *Univ Cordoba, Dept Analyt Chem, Campus Rabanales, Annex Bldg C-3, ES-14071 Cordoba, Spain
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Zougagh M, Rios A, Valcarcel M*// *Univ Cordoba, Dept Analyt Chem, Edificio Marie Curie, Campus Rabanales, ES-14071 Cordoba, Spain
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An automated screening method for the fast, simple discrimination between natural and artificial colorants in commercial saffron products

11. Flavours & aromas

Baranska M, Schulz H*, Kruger H, Quilitzsch R// *Fed Ctr Breeding Res Cultivated Plants, Inst Plant Anal, Neuer Weg 22-23, DE-06484 Quedlinburg, Germany
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Chemotaxonomy of aromatic plants of the genus *Origanum* via vibrational spectroscopy

Cozzolino D, Smyth HE, Lattey KA, Cynkar W, Janik L, Damberg RG, Francis IL, Gishen M// Australian Wine Res Inst, Waite Rd, POB 197, Adelaide, SA 5064, Australia
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Relationship between sensory analysis and near infrared spectroscopy in Australian Riesling and Chardonnay wines

Kharazi PR// Guilan Univ, Dept Chem, POB 41335-1914, Rasht, Iran
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Kim H, Cho WJ, Ahn JS, Cho DH, Cha YJ*// *Changwon Natl Univ, Dept Food & Nutr, Chang Won 641 773, South Korea
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Labreche S, Bazzo S, Cade S, Chanie E// Alpha-Mos, 29 rue Didier Daurat Ave, FR-31200 Toulouse, France
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Lee SK, Kim JH, Sohn HJ, Yang JW// KT&G Cent Res Inst, 302 Shinseong dong, Taejon 305 805, South Korea

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Changes in aroma characteristics during the preparation of red ginseng estimated by electronic nose, sensory evaluation and gas chromatography/mass spectrometry

Legin A, Rudnitskaya A, Seleznev B, Vlasov Y// St Petersburg Univ, Dept Chem, Universitetskaya nab 7-9, RU-199034 St Petersburg, Russia

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Llamas NE, Di Nezio MS, Palomeque ME, Band BSF// *Univ Nacl Sur, Dept Chem, FIA Lab, Av Alem 1253, Buenos Aires, DF, Argentina

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Needham R, Williams J, Beales N, Voysey P, Magan N// Cranfield Univ, Inst Biosci & Technol, Appl Mycol Grp, Bedford MK45 4DT, England

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Early detection and differentiation of spoilage of bakery products

Ragazzo-Sanchez JA, Chalier P, Ghommidh C// Inst Tecnol Tepic, Lab Invest Alimentos, Apdo Postal 634 Tepic, MX-63000 Nayarit, Mexico

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Coupling gas chromatography and electronic nose for dehydration and desalcoholization of alcoholized beverages - Application to off-flavour detection in wine

Sowinski P, Wardencki W*, Partyka M// *Gdansk Tech Univ, Fac Chem, Dept Analyt Chem, 11-12 Narutowicza Str, PL-80952 Gdansk, Poland

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Development and evaluation of headspace gas chromatography method for the analysis of carbonyl compounds in spirits and vodkas

Strathmann S, Pastorelli S, Simoneau C// European Commiss Joint Res Ctr, IHCP Phys & Chem Exposure Unit, Via E Fermi 1, IT-21020 Ispra, Italy

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Investigation of the interaction of active packaging material with food aroma compounds

Thompson RQ, Phinney KW, Sander LC, Welch MJ// Oberlin Coll, Dept Chem, 119 Woodland St, Oberlin, Oh 44074, USA

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Thompson RQ, Phinney KW, Welch MJ, White VE// Address as above

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Vinaixa M, Vergara A, Duran C, Llobet E*, Badia C, Brezmes J, Vilanova X, Correig X// *Univ Rovira i Virgili, Dept Elect Engr, Avda Paisos Catalans 26, Campus Sescelades, ES-43007 Tarragona, Spain

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Fast detection of rancidity in potato crisps using e-noses based on mass spectrometry or gas sensors

Vinaixa M, Llobet E*, Brezmes J, Vilanova X, Correig X// *MINOS, Dept Engr Electron, Avda Paisos Catalans 26, ES-43007 Tarragona, Spain

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A fuzzy ARTMAP- and PLS-based MS e-nose for the qualitative and quantitative assessment of rancidity in crisps

Wyszynski B, Yamanaka T, Nakamoto T// Tech Univ Szczecin, Dept Chem Technol & Engr, 42 Piastow Ave, PL-71065 Szczecin, Poland

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Recording and reproducing citrus flavors using odor recorder

13. Animal products

Baeten V, Von Holst C, Garrido A, Vancutsem J, Renier AM, Dardenne P// CRA W, Dept Qualite Prod Agricoles, Chausse Namur 24, BE-5030 Gembloux, Belgium

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Detection of banned meat and bone meal in feedstuffs by near-infrared microscopic analysis of the dense sediment fraction

Beretta G, Granata P, Ferrero M, Orioli M, Facino RM// *Univ Milan, Fac Farm, Ist Chim Farmaceut Tossicol, Viale Abruzzi 42, IT-20131 Milan, Italy

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Standardization of antioxidant properties of honey by a combination of spectrophotometric/fluorimetric assays and chemometrics

Pulgarin JAM, Molina AA, Pardo MTA// Univ Castilla La Mancha, Dept Analyt Chem & Foods Technol, ES-13071 Ciudad Real, Spain

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Fluorescence characteristics of several whey samples subjected to different treatments and conditions

14. Plant & microbial products

Autret G, Liger-Belair G, Nuzillard JM, Parmentier M, De Montreynaud AD, Jeandet P, Doan BT, Beloeil JC// CNRS, Inst Chim Subst Nat, Bat 27, Ave Terrasse, FR-91198 Gif-sur-Yvette, France

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Use of magnetic resonance spectroscopy for the investigation of the CO₂ dissolved in champagne and sparkling wines: A nondestructive and unintrusive method

Baranowski R, Kabut J, Baranowska I// *Silesian Tech Univ, Dept Analyt & Gen Chem, ul Strzody 7, PL-44100 Gliwice, Poland

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"Electrochemical Index" as a screening method to determine "total polyphenolics" in foods: A proposal

Cuadrado MU, Luque de Castro MD*, Juan PMN, Gomez-Nieto MA// *Univ Cordoba, Dept Analyt Chem, Campus Rabanales, Annex C3, ES-14071 Cordoba, Spain

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Ebarvia BS, Cabanilla S, Sevilla F// *Ind Technol Dev Inst, Dept Sci & Technol Bicutan, Taguig, Metro Manila, Philippines

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Biomimetic properties and surface studies of a piezoelectric caffeine sensor based on electrosynthesized polypyrrole

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FT-Raman spectroscopic studies of guarana and some extracts

Edwards HGM, Villar SEJ, De Oliveira LFC*, Le Hyaric M// *Univ Fed Juiz de Fora, Dept Quim, Campus Univ, BR-36036-330 Juiz de Fora, MG, Brazil

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Analytical Raman spectroscopic study of cacao seeds and their chemical extracts

Huck CW, Guggenbichler W, Bonn GK// Leopold Franzens Univ, Inst Analyt Chem & Radiochem, Innrain 52a, AT-6020 Innsbruck, Austria

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Analysis of caffeine, theobromine and theophylline in coffee by near infrared spectroscopy (NIRS) compared to high-performance liquid chromatography (HPLC) coupled to mass spectrometry

Lachenmeier DW, Burri PA, Fauser T, Frank W, Walch SG// CVUA, Weissenburger Str 3, DE-76187 Karlsruhe, Germany

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Rapid determination of alcoholic strength of egg liqueur using steam distillation and oscillation-type densimetry with peristaltic pumping

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Investigations on the antioxidant activity of fruit and vegetable aqueous extracts on superoxide radical anion using chemiluminescence techniques

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Solid-phase microextraction-gas chromatography mass spectrometry and multivariate analysis for the characterization of roasted coffees

Zougagh M, Rios A, Valcarcel M// *University Cordoba, Department Analytical Chem, Campus Rabanales, Edif Marie Curie, ES-14071 Cordoba, Spain

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Automatic selective determination of caffeine in coffee and tea samples by using a supported liquid membrane-modified piezoelectric flow sensor with molecularly imprinted polymer