

Food Chemistry Papers Published in Volume 89

Volume 89 Number 1 2005

- 1 Determination of low molecular weight polyphenolic constituents in grape (*Vitis vinifera* sp.) seed extracts: Correlation with antiradical activity
R. GUENDEZ, S. KALLITHRAKA, D.P. MAKRIS, P. KEFALAS (Greece)
- 11 Separation and purification of lysozyme by Reactive Green 19 immobilised membrane affinity chromatography
M. YILMAZ, G. BAYRAMOGLU, M.Y. ARICA (Turkey)
- 19 Studies pertaining to coagulant and proteolytic activities of plant proteases from *Cynara cardunculus*
S.V. SILVA, F.X. MALCATA (Portugal)
- 27 Tea and herbal infusions: Their antioxidant activity and phenolic profile
A.K. ATOUI, A. MANSOURI, G. BOSKOU, P. KEFALAS (Greece)
- 37 Variability in the physicochemical, nutritional and antinutritional attributes of six *Mucuna* species
Y.A. ADEBOWALE, A. ADEYEMI, A.A. OSHODI (Nigeria)
- 49 Grain phytic acid content in japonica rice as affected by cultivar and environment and its relation to protein content
Z. LIU, F. CHENG, G. ZHANG (China)
- 53 Biological evaluation of tomato waste seed meals and protein concentrate
D.S. SOGI, R. BHATIA, S.K. GARG, A.S. BAWA (India)
- 57 Mexican lime peel: Comparative study on contents of dietary fibre and associated antioxidant activity
J. UBANDO-RIVERA, A. NAVARRO-OCAÑA, M.A. VALDIVIA-LÓPEZ (Mexico)
- 63 Evaluation of an aroma similar to that of sparkling wine: Sensory and gas chromatography analyses of fermented grape musts
M.E.O. MAMEDE, H.M.A.B. CARDELLO, G.M. PASTORE (Brazil)
- 69 Effect of chill storage and modified atmosphere packaging (MAP) on antioxidant activity, anthocyanins, carotenoids, phenolics and sensory quality of ready-to-eat shredded orange and purple carrots
C. ALASALVAR, M. AL-FARSI, P.C. QUANTICK (UK), F. SHAHIDI (Canada), R. WIKTOROWICZ (UK)
- 77 Polyphenolic and antioxidant changes during storage of normal, mid, and high oleic acid peanuts
S.T. TALCOTT, C.E. DUNCAN, D.D. POZO-INSFRAN, D.W. GORBET (USA)
- 85 Extraction and assay of pectic enzymes from Peruvian carrot (*Arracacia xanthorrhiza* Bancroft.)
T.D.C.R. PIRES, F. FINARDI-FILHO (Brazil)
- 93 Fat content and ascorbic acid infusion influence microbial and physicochemical qualities of electron beam irradiated beef patties
P.Y.Y. WONG, A.N. WIJEWICKREME, D.D. KITTS (Canada)
- 103 Persistence of aroma compounds in human breath after consuming an aqueous model aroma mixture
R.A. BUFFO, J.A. RAPP, T. KRICK, G.A. REINECCIU (USA)
- 109 Purification and identification of interacting components in a wheat starch-soy protein system
K.J. RYAN, M.S. BREWER (USA)
- 125 Quality of triticale cultivars suitable for growing and bread-making in northern conditions
M. TOHVER, A. KANN, R. TÄHT, A. MIHHALEVSKI, J. HAKMAN (Estonia)
- 133 Effect of storage of surfactant gels on the bread making quality of wheat flour
M.H. AZIZI (Iran), G.V. RAO (India)

- 139 Characterisation of the geographical origin of buffalo milk and mozzarella cheese by means of analytical and spectroscopic determinations
M.A. BRESCIA, M. MONFREDA, A. BUCCOLIERI, C. CARRINO (Italy)
- 149 Ripening of banana fruit monitored by water relaxation and diffusion ^1H -NMR measurements
A. RAFFO, R. GIANFERRI, R. BARBIERI, E. BROSIO (Italy)
- 159 ANCM Bibliography
- I Calendar

Volume 89 Number 2 2005

- 163 Effect of the addition of ammonium and amino acids to musts of Airen variety on aromatic composition and sensory properties of the obtained wine
P. HERNÁNDEZ-ORTE, M.J. IBARZ, J. CACHO, V. FERREIRA (Spain)
- 175 Cells immobilized in a starch-gluten-milk matrix usable for food production
S. PLESSAS, A. BEKATOROU, M. KANELAKI, C. PSARIANOS, A. KOUTINAS (Greece)
- 181 Prevention of enzymatic browning of pear by onion extract
M.-J. KIM, C.Y. KIM, I. PARK (Republic of Korea)
- 185 Analysis of non-coloured phenolics in red wine: Effect of *Dekkera bruxellensis* yeast
L.R. SILVA, P.B. ANDRADE, P. VALENTÃO, R.M. SEABRA (Portugal), M.E. TRUJILLO, E. VELÁZQUEZ (Spain)
- 191 Phenols, proanthocyanidins, flavones and flavonols in some plant materials and their antioxidant activities
M. ŠKERGET, P. KOTNIK, M. HADOLIN, A.R. HRAS, M. SIMONIC, Ž. KNEZ (Slovenia)
- 199 Effects of gamma irradiation on the biogenic amines in pepperoni with different packaging conditions
J.-H. KIM, H.-J. AHN, J.-W. LEE, H.-J. PARK, G.-H. RYU, I.-J. KANG, M.-W. BYUN (Republic of Korea)
- 207 Influence of fruit ripening process on the natural antioxidant content of Hojiblanca virgin olive oils
G. BELTRÁN, M.P. AGUILERA, C.D. RIO, S. SANCHEZ, L. MARTINEZ (Spain)
- 217 Classification of edible oils using synchronous scanning fluorescence spectroscopy
E. SIKORSKA, T. GÓRECKI (Poland), I.V. KHMELENSKII (Portugal), M. SIKORSKI, J. KOZIOŁ (Poland)
- 227 Flavour substances of Chinese traditional smoke-cured bacon
Y. AI-NONG, S. BAO-GUO (China)
- 235 Content of nitrates, nitrites, and oxalates in New Zealand spinach
G. JAWORSKA (Poland)
- 243 Physical, chemical and stability properties of buffalo butter oil fractions obtained by multi-step dry fractionation
A.E. FATOUH (Egypt), R.K. SINGH, P.E. KOEHLER (USA), G.A. MAHRAN, A.E. METWALLY (Egypt)
- 253 Physicochemical, cooking and textural properties of milled rice from different Indian rice cultivars
N. SINGH, L. KAUR, N.S. SODHI, K.S. SEKHON (India)
- 261 The quality of boiled cassava roots: instrumental characterization and relationship with physicochemical properties and sensorial properties
W. PADONOU (Benin), C. MESTRES (France), M.C. NAGO (Benin)
- 271 Monitoring the storage stability of RBD palm olein using the electronic nose
H.L. GAN, C.P. TAN, Y.B. CHE MAN, I. NORAINI, S.A.H. NAZIMAH (Malaysia)
- 283 Dietary fibre in fermented oat and barley β -glucan rich concentrates
A.M. LAMBO, R. ÖSTE, M.E.G.-L. NYMAN (Sweden)
- 295 Mercury speciation in the muscle of two commercially important fish, hake (*Merluccius merluccius*) and striped mullet (*Mullus barbatus*) from the Mediterranean sea: estimated weekly intake
M.M. STORELLI, A. STORELLI, R. GIACOMINELLI-STUFFLER, G.O. MARCOTRIGIANO (Italy)
- 301 Effect of some operational extrusion parameters on the constituents of orange pulp
M.A. LARREA (Peru), Y.K. CHANG (Brazil), F.M. BUSTOS (Mexico)
- ANALYTICAL, NUTRITIONAL AND CLINICAL METHODS SECTION**
- 309 Tryptophan determination in proteins and feedstuffs by ion exchange chromatography
G. RAVINDRAN, W.L. BRYDEN (Australia)
- 315 Application of microemulsion electrokinetic chromatography for the detection of preservatives in foods
H.-Y. HUANG, C.-L. CHUANG, C.-W. CHIU, J.-M. YEH (Taiwan)
- 323 ANCM Bibliography
- I Calendar

Volume 89 Number 3 2005

- 325 Crosslinking of wheat dough proteins by glucose oxidase and the resulting effects on bread and croissants
I.A. RASIAH, K.H. SUTTON, F.L. LOW, H.-M. LIN, J.A. GERRARD (New Zealand)
- 333 Roast effects on coffee amino acid enantiomers
S. CASAL, E. MENDES, M.B.P.P. OLIVEIRA, M.A. FERREIRA (Portugal)
- 341 Some chemical properties of white lupin seeds (*Lupinus albus* L.)
M. ERBAŞ, M. CERTEL, M.K. USLU (Turkey)
- 347 Sensory and biochemical aspects of quality of whole bigeye tuna (*Thunnus obesus*) during bulk storage in controlled atmospheres
C. RUIZ-CAPILLAS, A. MORAL (Spain)
- 355 A survey on free biogenic amine content of fresh and preserved vegetables
S. MORET (Italy), D. SMELA (Czech Republic), T. POPULIN, L.S. CONTE (Italy)
- 363 Characterisation of acid-soluble collagen from skin and bone of bigeye snapper (*Priacanthus tayenus*)
P. KITTIPHATTANABAWON, S. BENJAKUL, W. VISESSANGUAN (Thailand), T. NAGAI, M. TANAKA (Japan)
- 373 Biochemical and immunochemical detection of types I and V collagens in tiger puffer *Takifugu rubripes*
S. MIZUTA, S. FUJISAWA, M. NISHIMOTO, R. YOSHINAKA (Japan)
- 379 Antioxidant properties of lotus seed and its effect on DNA damage in human lymphocytes
G.-C. YEN, P.-D. DUH, H.-J. SU (Taiwan)
- 387 Characterisation of virgin olive oil of Italian olive cultivars: 'Frantoio' and 'Leccino', grown in Andalusia
M.P. AGUILERA, G. BELTRÁN, D. ORTEGA, A. FERNÁNDEZ, A. JIMÉNEZ, M. UCEDA (Spain)
- 393 The production of citric acid by using immobilized *Aspergillus niger* A-9 and investigation of its various effects
G. DEMIREL, K.O. YAYKAŞLI, A. YAŞAR (Turkey)
- 397 Stability studies on the enzyme extracted sweet potato carotenoproteins
İ. ÇINAR (Turkey)
- 403 Mushroom extracts with antioxidant activity against lipid peroxidation
L.M. CHEUNG, P.C.K. CHEUNG (China)
- 411 Phenolic profile and antioxidant activity of the Algerian ripe date palm fruit (*Phoenix dactylifera*)
A. MANSOURI (Greece), G. EMBAREK (Algeria), E. KOKKALOU, P. KEFALAS (Greece)
- 421 Effects of soaking whole cereal and legume seeds on iron, zinc and phytate contents
I. LESTIENNE, C. ICARD-VERNIEIRE, C. MOUQUET, C. PICQ, S. TRECHE (France)
- 427 Colour stability of anthocyanins in aqueous solutions at various pH values
K. TORSKANGERPOLL, Ø.M. ANDERSEN (Norway)
- 441 Availability of essential elements in Indian and US tea brands
A. KUMAR, A.G.C. NAIR, A.V.R. REDDY, A.N. GARG (India)
- 449 Nutritional and medicinal improvement of black tea by yeast fermentation
C. PASHA, G. REDDY (India)

ANALYTICAL, NUTRITIONAL AND CLINICAL METHODS SECTION

- 455 *N*-nitrosodimethylamine analysis in Estonian beer using positive-ion chemical ionization with gas chromatography mass spectrometry
S. YURCHENKO, U. MÖLDER (Estonia)
- 465 Simultaneous spectrophotometric determination of maltol, ethyl maltol, vanillin and ethyl vanillin in foods by multivariate calibration and artificial neural networks
Y. NI, G. ZHANG (China), S. KOKOT (Australia)
- 475 Simultaneous determination of cholesterol oxides, cholesterol and fatty acids in processed turkey meat products
S.R. BAGGIO, A.M.R. MIGUEL, N. BRAGAGNOLO (Brazil)
- 485 ANCM Bibliography

- I Calendar

Volume 89 Number 4 2005

- 489 Nutritional composition and antinutritional factors of mung bean seeds (*Phaseolus aureus*) as affected by some home traditional processes
A.E. MUBARAK (Egypt)
- 497 Removal and recovery of antinutritional factors from soybean flour
S. BAJPAI, A. SHARMA, M.N. GUPTA (India)

- 503 Aflatoxins in Nigerian dry-roasted groundnuts
S.A. BANKOLE, B.M. OGUNSANWO, D.A. ESEIGBE (Nigeria)
- 507 Characterisation of vegetable oils by surface acoustic wave sensing electronic nose
H.L. GAN, Y.B.C. MAN, C.P. TAN, I. NORAINI, S.A.H. NAZIMAH (Malaysia)
- 519 Levels of biogenic amines as a measure of the quality of the beer fermentation process: Data from Belgian samples
S. LORET, P. DELOYER, G. DANDRIFOSSE (Belgium)
- 527 Volatile norisoprenoids as markers of botanical origin of Sardinian strawberry-tree (*Arbutus unedo* L.) honey: Characterisation of aroma compounds by dynamic headspace extraction and gas chromatography-mass spectrometry
F. BIANCHI, M. CARERI, M. MUSCI (Italy)
- 533 Antioxidant activity of extracts from the fruiting bodies of *Agrocybe aegerita* var. *alba*
K.M. LO, P.C.K. CHEUNG (China)
- 541 Physicochemical and thermal properties of starches separated from corn produced from crosses of two germ pools
K.S. SANDHU, N. SINGH, N.S. MALHI (India)
- 549 Influence of heating on antioxidant activity and the chemical composition of some spice essential oils
A. TOMAINO, F. CIMINO, V. ZIMBALATTI, V. VENUTI, V. SULFARO, A. DE PASQUALE, A. SAIJA (Italy)
- 555 Maillard reaction during storage of powder enteral formulas
J.L. GARCÍA-BAÑOS, M.D. DEL CASTILLO, M.L. SANZ, A. OLANO, N. CORZO (Spain)
- 561 Phenolic profiles of Portuguese olive fruits (*Olea europaea* L.): Influences of cultivar and geographical origin
A.F. VINHA (Portugal), F. FERRERES (Spain), B.M. SILVA, P. VALENTÃO, A. GONÇALVES, J.A. PEREIRA, M.B. OLIVEIRA, R.M. SEABRA, P.B. ANDRADE (Portugal)
- 569 Preparation and antioxidant properties of extracts of Japanese persimmon leaf tea (kakinoha-cha)
S. SAKANAKA, Y. TACHIBANA, Y. OKADA (Japan)
- 577 A study on degradation kinetics of riboflavin in green gram whole (*Vigna radiata* L.)
P. NISHA, R.S. SINGHAL, A.B. PANDIT (India)
- 583 Studies on the inhibitory effect of *Graptotetalum paraguayense* E. Walther extracts on mushroom tyrosinase
K.-F. HUANG, Y.-W. CHEN, C.-T. CHANG, S.-T. CHOU (Taiwan)
- 589 Combined effects of irradiation and modified atmosphere packaging on minimally processed Chinese cabbage (*Brassica rapa* L.)
H.-J. AHN, J.-H. KIM, J.-K. KIM, D.-H. KIM, H.-S. YOOK, M.-W. BYUN (Republic of Korea)
- 599 Nutritional value of edible wild mushrooms collected from the Khasi hills of Meghalaya
D. AGRAHAR-MURUGKAR, G. SUBBULAKSHMI (India)
- 605 Organic elements and protein in some macrofungi of south east Anatolia in Turkey
A. YILDIZ, Ö.F. YEŞİL, Ö. YAVUZ, M. KARAKAPLAN (Turkey)
- 611 Oxidation of cholesterol in mayonnaise during storage
I.C. MORALES-AIZPURÚA, A. TENUTA-FILHO (Brazil)
- 617 Antioxidant properties of dried 'kayamo-nori', a brown alga *Scytoniphon lomentaria* (*Scytoniphonales, Phaeophyceae*)
T. KUDA, M. TSUNEKAWA, T. HISHI, Y. ARAKI (Japan)

ANALYTICAL, NUTRITIONAL AND CLINICAL METHODS SECTION

- 623 Development of a reverse-phase high-performance liquid chromatography method for analyzing *trans*-resveratrol in peanut kernels
J.L. RUDOLF, A.V.A. RESURRECCION, F.K. SAALIA, R.D. PHILLIPS (USA)
- 639 High-performance liquid chromatographic determination of furfural compounds in infant formulas during full shelf-life
E. FERRER, A. ALEGRÍA, R. FARRE, P. ABELLÁN, F. ROMERO (Spain)

I Papers Published in Volume 89

V Calendar