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May 25, 2011

Volume 59 Issue 10

Pages 5173-5792

In this issue:

- [Analytical Methods](#)
- [Bioactive Constituents](#)
- [Biofuels and Bioproducts Chemistry](#)
- [Chemical Aspects of Biotechnology/Molecular Biology](#)
- [Chemical Aspects of Food Safety](#)
- [Chemical Changes Induced by Processing/Storage](#)
- [Chemical Composition of Foods/ Feeds](#)
- [Environmental Chemistry](#)
- [Flavors and Aromas/Chemosensory Perception](#)
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Emmanuel Njumbe Ediage, José Diana Di Mavungu, Sofie Monbaliu, Carlos Van Peteghem, and Sarah De Saeger

pp 5173-5180

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Characterization of Tea Cultivated at Four Different Altitudes Using ^1H NMR Analysis Coupled with Multivariate Statistics

Akiko Ohno, Kitaro Oka, Chiseko Sakuma, Haruhiro Okuda, and Kiyoshi Fukuhara

pp 5181-5187

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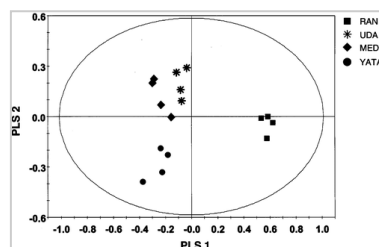


Figure 1 of 8



Universal Primer-Multiplex-Polymerase Chain Reaction (UP-M-PCR) and Capillary Electrophoresis–Laser-Induced Fluorescence Analysis for the Simultaneous Detection of Six Genetically Modified Maize Lines

Chunjiao Zhang, Wentao Xu, Zhifang Zhai, Yunbo Luo, Xinghua Yan, Nan Zhang, and Kunlun Huang

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Figure 1 of 6

Next

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Wai Y. Ha, David G. Reid, Wan L. Kam, Yuk Y. Lau, Wing C. Sham, Silvia Y. K. Tam, Della W. M. Sin, and Chuen S. Mok

pp 5195-5203

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Andreas Barnsteiner, Tim Lubinus, Angelica di Gianvito, Wolfgang Schmid, and Karl-Heinz Engel

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Abstract

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Xiaonan Lu, Carolyn F. Ross, Joseph R. Powers, D. Eric Aston, and Barbara A. Rasco

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Yudai Hotta, Jun Sato, Hiroaki Sato, Akifumi Hosoda, and Hiroto Tamura

pp 5222-5230

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Multiplex, Quantitative, Ligation-Dependent Probe Amplification for Determination of Allergens in Food

Stina L. Mustorp, Signe M. Drømtorp, and Askild L. Holck

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Sílvia Borràs, Ramon Company, and Jacinto Guiteras

pp 5240-5247

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Zhiyong Guo, Panpan Gai, Tingting Hao, Jing Duan, and Sui Wang

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Andrographolide Inhibits ICAM-1 Expression and NF- κ B Activation in TNF- α -Treated EA.hy926 Cells

Che-Yi Chao, Chong-Kuei Lii, I-Ting Tsai, Chien-Chun Li, Kai-Li Liu, Chia-Wen Tsai, and Haw-Wen Chen

pp 5263-5271

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Marina Kajdžanoska, Jasmina Petreska, and Marina Stefova

pp 5272-5278

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Sandra B. López, María L. López, Liliana M. Aragón, María L. Tereschuk, Alberto C. Slanis, Gabriela E. Feresin, Julio A. Zygadlo, and Alejandro A. Tapia

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Luigi Milella, Marisa Caruso, Fernanda Galgano, Fabio Favati, Maria Carmela Padula, and Giuseppe Martelli

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Micaela Medrano, Silvia M. Racedo, Ivanna S. Rolny, Analía G. Abraham, and Pablo F. Pérez

pp 5299-5304

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Anna Lante, Tiziana Nardi, Federico Zocca, Alessio Giacomini, and Viviana Corich

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Hamutal Borochoy-Neori, Sylvie Judeinstein, Moti Harari, Irit Bar-Ya'akov, Bhimanagouda S. Patil, Susan Lurie, and Doron Holland

pp 5325-5334

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HuaWu Zeng, Monica Locatelli, Claudio Bardelli, Angela Amoruso, Jean Daniel Coisson, Fabiano Travaglia, Marco Arlorio, and Sandra Brunelleschi

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pp 5351-5356

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Diosgenin Suppresses Hepatocyte Growth Factor (HGF)-Induced Epithelial–Mesenchymal Transition by Down-regulation of Mdm2 and Vimentin





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Fulvio Mattivi, Urska Vrhovsek, Giulia Malacarne, Domenico Masuero, Luca Zulini, Marco Stefanini, Claudio Moser, Riccardo Velasco, and Graziano Guella

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Kelin Huang, Ben Wang, Yan Cao, Huiquan Li, Jinshu Wang, Weijiang Lin, Chaoshi Mu, and Dankui Liao

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Chen Qu, Takao Kishimoto, Masanori Kishino, Masahiro Hamada, and Noriyuki Nakajima

pp 5382-5389

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pp 5412-5417

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Jonas Alin and Minna Hakkarainen

pp 5418-5427

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Janice K. Huwe and Mark West

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Mario Estévez, Sonia Ventanas, Marina Heinonen, and Eero Puolanne

pp 5435-5443

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The Extraction of Anthocyanins and Proanthocyanidins from Grapes to Wine during Fermentative Maceration Is Affected by the Enological Technique





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pp 5450-5455

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pp 5474-5482

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Postharvest Treatments with Salicylic Acid, Acetylsalicylic Acid or Oxalic Acid Delayed Ripening and Enhanced Bioactive Compounds and Antioxidant Capacity in Sweet Cherry





Daniel Valero, Huertas M. Díaz-Mula, Pedro Javier Zapata, Salvador Castillo, Fabián Guillén, Domingo Martínez-Romero, and María Serrano

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Nutritional Aspects of Second Generation Soy Foods





Marcela Roquim Alezandro, Daniel Granato, Franco Maria Lajolo, and Maria Inês Genovese

pp 5490-5497

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Effect of Selenium Treatment on Mineral Nutrition, Bulb Size, and Antioxidant Properties of Garlic (*Allium sativum* L.)





Priit Põldma, Tõnu Tõnutare, Anu Viitak, Anne Luik, and Ulvi Moor

pp 5498-5503

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pp 5516-5522

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Reactivity of Human Salivary Proteins Families Toward Food Polyphenols

Susana Soares, Rui Vitorino, Hugo Osório, Ana Fernandes, Armando Venâncio, Nuno Mateus, Francisco Amado, and Victor de Freitas

pp 5535-5547

Publication Date (Web): March 19, 2011 (Article)

DOI: 10.1021/jf104975d

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Effects of Pulsation Rate and Viscosity on Pulsation-Induced Taste Enhancement: New Insights into Texture–Taste Interactions

Kerstin Martha Mensien Burseg, Sara Camacho, and Johannes Hendrikus Franciscus Bult

pp 5548-5553

Publication Date (Web): April 22, 2011 (Article)

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Food Volatile Compounds Facilitating H_{II} Mesophase Formation: Solubilization and Stability

Natali Amar-Zrihen, Abraham Aserin, and Nissim Garti

pp 5554-5564

Publication Date (Web): April 16, 2011 (Article)

DOI: 10.1021/jf200466e

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Relationship of Changes in Rotundone Content during Grape Ripening and Winemaking to

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Manipulation of the 'Peppery' Character of Wine

Lorenzo Caputi, Silvia Carlin, Isabella Ghiglieno, Marco Stefanini, Leonardo Valenti, Urska Vrhovsek, and Fulvio Mattivi

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Publication Date (Web): April 22, 2011 ([Article](#))

DOI: 10.1021/jf200786u

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Food Chemistry/Biochemistry

Nuclear Magnetic Resonance (NMR)-Based Metabolomic Studies on Urine and Serum Biochemical Profiles after Chronic Cysteamine Supplementation in Rats





Guangmang Liu, Yi Wang, Zhisheng Wang, Jingyi Cai, Xingzuo Lv, and Anguo Zhou

pp 5572-5578

Publication Date (Web): April 9, 2011 ([Article](#))

DOI: 10.1021/jf104129k

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Interactions of a Cationic Antimicrobial (ϵ -Polylysine) with an Anionic Biopolymer (Pectin): An Isothermal Titration Calorimetry, Microelectrophoresis, and Turbidity Study





Yuhua Chang, Lynne McLandsborough, and David Julian McClements

pp 5579-5588

Publication Date (Web): April 4, 2011 ([Article](#))

DOI: 10.1021/jf104299q

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Antioxidant Potential of Two Red Seaweeds from the Brazilian Coasts

Bartolomeu W. S. Souza, Miguel A. Cerqueira, Joana T. Martins, Mafalda A. C. Quintas, Ant3nio C. S. Ferreira, Jos3 A. Teixeira, and Ant3nio A. Vicente

pp 5589-5594

Publication Date (Web): April 14, 2011 ([Article](#))

DOI: 10.1021/jf200999n

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Inhibitory Effect of Açaí (*Euterpe oleracea* Mart.) Pulp on IgE-Mediated Mast Cell Activation

Tomoko Horiguchi, Nahoko Ishiguro, Kazuyasu Chihara, Kazuhiro Ogi, Kenji Nakashima, Kiyonao Sada, and Naoko Hori-Tamura

pp 5595-5601

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DOI: 10.1021/jf2005707

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Identification of an N-Terminal Formylated, Two-Peptide Bacteriocin from *Enterococcus faecalis* 710C

Xiaoji Liu, John C. Vederas, Randy M. Whittal, Jing Zheng, Michael E. Stiles, Denise Carlson, Charles M. A. P. Franz, Lynn M. McMullen, and Marco J. van Belkum

pp 5602-5608

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Stimulation of Acidic Reduction of Nitrite to Nitric Oxide by Soybean Phenolics: Possible Relevance to Gastrointestinal Host Defense

Pablo Gomes Ferreira, Maria Angélica Suedan Souza Lima, Robert Alvin Bernedo-Navarro, Rogério Arcuri Conceição, Edlaine Linhares, Alexandra Christine Helena Frankland Sawaya, Tomomasa Yano, and Ione Salgado

pp 5609-5616

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A Food-Grade System for Inducible Gene Expression in *Lactobacillus plantarum* Using an Alanine Racemase-Encoding Selection Marker

Tien-Thanh Nguyen, Geir Mathiesen, Lasse Fredriksen, Roman Kittl, Thu-Ha Nguyen, Vincent G. H. Eijsink, Dietmar Haltrich, and Clemens K. Peterbauer

pp 5617-5624

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Avocado (*Persea americana* Mill.) Phenolics, In Vitro Antioxidant and Antimicrobial Activities, and Inhibition of Lipid and Protein Oxidation in Porcine Patties

Javier-Germán Rodríguez-Carpena, David Morcuende, María-Jesús Andrade, Petri Kylli, and Mario Estévez

pp 5625-5635

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DOI: 10.1021/jf1048832

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Initial Stage of Cheese Production: A Molecular Modeling Study of Bovine and Camel Chymosin Complexed with Peptides from the Chymosin-Sensitive Region of κ -Casein


Jesper Sørensen, David S. Palmer, Karsten Bruun Qvist, and Birgit Schiøtt

pp 5636-5647

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Isolation and Characterization of Antioxidant Protein Fractions from Melinjo (*Gnetum gnemon*) Seeds

Tri Agus Siswoyo, Eka Mardiana, Kyun Oh Lee, and Keizo Hoshokawa

pp 5648-5656

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Heat Shock Protein B1 and Its Regulator Genes Are Negatively Correlated with Intramuscular Fat Content in the Longissimus Thoracis Muscle of Hanwoo (Korean Cattle) Steers

Nam-Kuk Kim, Dajeong Lim, Seung-Hwan Lee, Yong-Min Cho, Eung-Woo Park, Chang-Soo Lee, Bong-Shig Shin,

Tae-Hun Kim, and Duhak Yoon

pp 5657-5664

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***In Vitro* Evaluation on the Antiobesity Effect of Lignans from the Flower Buds of Magnolia denudata**


Chang-Suk Kong, Jung Im Lee, Jung-Ae Kim, and Youngwan Seo

pp 5665-5670

Publication Date (Web): April 4, 2011 ([Article](#))

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First Chemical Synthesis and in Vitro Characterization of the Potential Human Metabolites 5-O-Feruloylquinic Acid 4'-Sulfate and 4'-O-Glucuronide


Candice Menozzi-Smarrito, Chi Chun Wong, Walter Meinl, Hansruedi Glatt, René Fumeaux, Caroline Munari, Fabien Robert, Gary Williamson, and Denis Barron

pp 5671-5676

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Impact of Concentration of Ellagitannins in Oak Wood on Their Levels and Organoleptic Influence in Red Wine

Julien Michel, Michael Jourdes, Maria A. Silva, Thomas Giordanengo, Nicolas Mourey, and Pierre-Louis Teissedre

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Publication Date (Web): April 11, 2011 ([Article](#))

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Galloylated Polyphenols as Inhibitors of Hemoglobin-Catalyzed Lipid Oxidation in Fish Muscle

Jacobo Iglesias Neira, Manuel Pazos, Rodrigo Maestre, Josep L. Torres, and Isabel Medina

pp 5684-5691

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Stearidonic Acid Soybean Oil Enriched with Palmitic Acid at the *sn*-2 Position by Enzymatic Interesterification for Use as Human Milk Fat Analogues

Sarah A. Teichert and Casimir C. Akoh

pp 5692-5701

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α -Glucosidase and Aldose Reductase Inhibitory Activities from the Fruiting Body of *Phellinus merrillii*

Guan-Jhong Huang, Wen-Tsong Hsieh, Heng-Yuan Chang, Shyh-Shyun Huang, Ying-Chih Lin, and Yueh-Hsiung Kuo

pp 5702-5706

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Metabolomic Analysis of Phenolic Compounds in Buckwheat (*Fagopyrum esculentum* M.) Sprouts Treated with Methyl Jasmonate

Hyun-Jin Kim, Kee-Jai Park, and Jeong-Ho Lim

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Preparation and Characterization of 1,3-Dioleoyl-2-palmitoylglycerol

Xiao Li Qin, Yun Ming Wang, Yong Hua Wang, Hui Hua Huang, and Bo Yang

pp 5714-5719

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DOI: 10.1021/jf200398f

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Purification and Characterization of a Rhamnose-Binding Chinook Salmon Roe Lectin with Antiproliferative Activity toward Tumor Cells and Nitric Oxide-Inducing Activity toward Murine Macrophages

Clara Shui Fern Bah, Evandro Fei Fang, Tzi Bun Ng, Sonya Mros, Michelle McConnell, and Alaa El-Din Ahmed Bekhit

pp 5720-5728

Publication Date (Web): April 4, 2011 (Article)

DOI: 10.1021/jf2004578

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Bound Fatty Acids Modulate the Sensitivity of Bovine β -Lactoglobulin to Chemical and Physical Denaturation

Alberto Barbiroli, Francesco Bonomi, Pasquale Ferranti, Dimitrios Fessas, Antonella Nasi, Patrizia Rasmussen, and Stefania Iametti

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An Oral Colon-Targeting Controlled Release System Based on Resistant Starch Acetate: Synthetization, Characterization, and Preparation of Film-Coating Pellets

Huayin Pu, Ling Chen, Xiaoxi Li, Fengwei Xie, Long Yu, and Lin Li

pp 5738-5745

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α -Mangostin Induces Apoptosis in Human Chondrosarcoma Cells through Downregulation of ERK/JNK and Akt Signaling Pathway

Aungkana Krajarng, Yukio Nakamura, Sunit Suksamrarn, and Ramida Watanapokasin

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Effect of Simulated Gastrointestinal Digestion on Sialic Acid and Gangliosides Present in Human Milk and Infant Formulas

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Ramón Lacomba, Jaime Salcedo, Amparo Alegría, Reyes Barberá, Pablo Hueso, Esther Matencio, and M. Jesús Lagarda

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Precursors and Formation of Pyrithione and Other Pyridyl-Containing Sulfur Compounds in Drumstick Onion, *Allium stipitatum*

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Roman Kubec, Petra Krejčová, Petr Šimek, Lukáš Václavík, Jana Hajšlová, and Jan Schraml

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Degree of Polymerization of Inulin-Type Fructans Differentially Affects Number of Lactic Acid Bacteria, Intestinal Immune Functions, and Immunoglobulin A Secretion in the Rat Cecum

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Hiroyuki Ito, Naoki Takemura, Kei Sonoyama, Hirokazu Kawagishi, David L. Topping, Michael A. Conlon, and Tatsuya Morita

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Effect of Hesperetin against Oxidative Stress via ER- and TrkA-Mediated Actions in PC12

Cells





Sam-Long Hwang and Gow-Chin Yen

pp 5779-5785

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Toxicology in Agriculture and Food

Feed or Food Responsible for the Presence of Low-Level Thiouracil in Urine of Livestock and Humans?





Julie Vanden Bussche, Julie A. L. Kiebooms, Nathalie De Clercq, Yoann Deceuninck, Bruno Le Bizec, Hubert F. De Brabander, and Lynn Vanhaecke

pp 5786-5792

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