

Reviews

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Artemisia dracunculus L. (Tarragon): A Critical Review of its Traditional Use, Chemical Composition, Pharmacology, and Safety
Dmitry Obolskiy, Ivo Pischel, Bjoern Feistel, Nikolay Glotov, and Michael Heinrich*

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Analytical Methods

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[dx.doi.org/10.1021/jf202122y](https://doi.org/10.1021/jf202122y)

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[dx.doi.org/10.1021/jf202874r](https://doi.org/10.1021/jf202874r)

Nitrophenylboronic Acids as Highly Chemoselective Probes To Detect Hydrogen Peroxide in Foods and Agricultural Products
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High Molecular Weight Coffee Melanoidins Are Inhibitors for Matrix Metalloproteases
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Effect of Selenium-Enriched Probiotics on Laying Performance, Egg Quality, Egg Selenium Content, and Egg Glutathione Peroxidase Activity

Cuiling Pan, Yuxin Zhao, Shengfa F. Liao, Fu Chen, Shunyi Qin, Xianshi Wu, Hong Zhou, and Kehe Huang*

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Quality and Stability of Edible Oils Enriched with Hydrophilic Antioxidants from the Olive Tree: The Role of Enrichment Extracts and Lipid Composition

Verónica Sánchez de Medina, Feliciano Priego-Capote,* Carlos Jiménez-Ot, and Mara Dolores Luque de Castro*

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Apple Peel Polyphenol Extract Protects against Indomethacin-Induced Damage In Caco-2 Cells by Preventing Mitochondrial Complex I Inhibition

Catalina Carrasco-Pozo,* Martin Gotteland, and Hernán Speisky

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Novel Tripeptides with α -Glucosidase Inhibitory Activity Isolated from Silk Cocoon Hydrolysate

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Identification of Benzophenone C-Glucosides from Mango Tree Leaves and Their Inhibitory Effect on Triglyceride Accumulation in 3T3-L1 Adipocytes

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Antibacterial Activity of the Plant-Derived Compounds 23-Methyl-6-O-desmethylauricepyrone and (Z,Z)-5-(Trideca-4,7-dienyl)resorcinol and Their Synergy with Antibiotics against Methicillin-Susceptible and -Resistant *Staphylococcus aureus*

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Immunomodulatory and Antitumor Activities of Grape Seed Proanthocyanidins

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Chemical Aspects of Food Safety

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Identification and Structure Elucidation of a *p*-Phenoxybenzaldehyde in Bamboo Shoots by HPLC-ESI/MS/MS and NMR
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Postmortem Changes in Pork Muscle Protein Phosphorylation in Relation to the RN Genotype
René Lametsch,* Martin R. Larsen, Birgitta Essén-Gustavsson, Marianne Jensen-Waern, Kerstin Lundström, and Gunilla Lindahl

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Chemical Composition of Foods/Feeds

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Compositional Equivalence of Insect-Protected Glyphosate-Tolerant Soybean MON 87701 × MON 89788 to Conventional Soybean Extends across Different World Regions and Multiple Growing Seasons
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Compositional Variability in Conventional and Glyphosate-Tolerant Soybean (*Glycine max* L.) Varieties Grown in Different Regions in Brazil
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Effect of Oxygen on Volatile and Sensory Characteristics of Cabernet Sauvignon during Secondary Shelf Life
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Effects of Salinity Stress on Carotenoids, Anthocyanins, and Color of Diverse Tomato Genotypes

Eva Borghesi,* M. Lourdes González-Miret, M. Luisa Escudero-Gilete, Fernando Malorgio, Francisco J. Heredia, and Antonio J. Meléndez-Martínez

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Direct Liquid Chromatography Method for the Simultaneous Quantification of Hydroxytyrosol and Tyrosol in Red Wines

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Chemical Constituents and Their Bioactivities of "Tongling White Ginger" (*Zingiber officinale*)

Tao Feng, Jia Su, Zhi-Hui Ding, Yong-Tang Zheng, Yan Li, Ying Leng, and Ji-Kai Liu*

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Anna Vallverdú-Queralt, Alexander Medina-Remón, Isidre Casals-Ribes, Mercedes Amat, and Rosa María Lamuela-Raventós*

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Crop and Animal Protection Chemistry

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Design, Synthesis, and Biological Activities of Arylmethylamine Substituted Chlorotriazine and Methylthiotriazine Compounds

Huaping Zhao, Yuxiu Liu,* Zhipeng Cui, David Beattie, Yucheng Gu,* and Qingmin Wang*

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Influence of Carbohydrates on the Interaction of Procyanidin B3 with Trypsin

Rui Gonçalves, Nuno Mateus, and Victor De Freitas*

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[dx.doi.org/10.1021/jf202364v](https://doi.org/10.1021/jf202364v)**Characterization of Phytochemicals and Antioxidant Activities of a Purple Tomato (*Solanum lycopersicum* L.)**

Hongyan Li, Zeyuan Deng,* Ronghua Liu, J. Christopher Young, Honghui Zhu, Steven Loewen, and Rong Tsao*

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[dx.doi.org/10.1021/jf2025192](https://doi.org/10.1021/jf2025192)**Characterization of a GH3 Family β -Glucosidase from *Dictyoglomus turgidum* and Its Application to the Hydrolysis of Isoflavone Glycosides in Spent Coffee Grounds**

Yeong-Su Kim, Soo-Jin Yeom, and Deok-Kun Oh*

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[dx.doi.org/10.1021/jf202628w](https://doi.org/10.1021/jf202628w)**Bioavailability of β -Cryptoxanthin in the Presence of Phytosterols: In Vitro and in Vivo Studies**

Fernando Granado-Lorencio,* Encarnación Donoso-Navarro, Luis Manuel Sánchez-Siles, Inmaculada Blanco-Navarro, and Belén Pérez-Sacristán

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[dx.doi.org/10.1021/jf2030709](https://doi.org/10.1021/jf2030709)**Kinetics of a Bioactive Compound (Caffeine) Mobility at the Vicinity of the Mechanical Glass Transition Temperature Induced by Gelling Polysaccharide**

Bin Jiang and Stefan Kasapis*

[dx.doi.org/10.1021/jf203147x](https://doi.org/10.1021/jf203147x)

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[dx.doi.org/10.1021/jf2033126](https://doi.org/10.1021/jf2033126)**Antiradical Properties of Red Wine Polyphenols**

Katharina F. Pirker, Joana Oliveira, Víctor de Freitas, Bernard A. Goodman, and Nuno Mateus*

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[dx.doi.org/10.1021/jf203378s](https://doi.org/10.1021/jf203378s)**Enhanced Survival of Probiotic *Lactobacillus acidophilus* by Encapsulation with Nanostructured Polyelectrolyte Layers through Layer-by-Layer Approach**

Angel J. Priya, S. P. Vijayalakshmi, and Ashok M. Raichur*

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Effects of Green Tea Polyphenol (–)-Epigallocatechin-3-gallate on Newly Developed High-Fat/Western-Style Diet-Induced Obesity and Metabolic Syndrome in Mice

Yu-Kuo Chen, Connie Cheung, Kenneth R. Reuhl, Anna Ba Liu, Mao-Jung Lee, Yao-Ping Liu, and Chung S. Yang*

Molecular Nutrition

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[dx.doi.org/10.1021/jf2014233](https://doi.org/10.1021/jf2014233)**Conjugated Linoleic Acid Regulates Phosphorylation of PPAR γ by Modulation of ERK 1/2 and p38 Signaling in Human Macrophages/Fatty Acid-Laden Macrophages**

Ewa Stachowska,* Jacek Kijowski, Violetta Dziedziejko, Aldona Siennicka, and Dariusz Chlubek

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Critical Role of Peroxisome Proliferator Activated Receptor- δ on Body Fat Reduction in C57BL/6J and Human Apolipoprotein E2 Transgenic Mice Fed Delipidated Soybean

Ji Hae Lee, Hee-jin Jun, Yaoyao Jia, Wook Kim, Sung-Gil Choi, and Sung-Joon Lee*

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Role for p53 in Selenium-Induced Senescence

Min Wu, Ryan T. Y. Wu, Thomas T. Y. Wang, and Wen-Hsing Cheng*

Toxicology in Agriculture and Food

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***Crotalaria medicaginea* Associated with Horse Deaths in Northern Australia: New Pyrrolizidine Alkaloids**

Mary T. Fletcher,* Patricia Y. Hayes, Michael J. Somerville, and James J. De Voss

Additions and Corrections

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Correction to Stable Isotope Analysis Combined with Metabolic Indices Discriminates between Gilthead Sea Bream (*Sparus aurata*) Fingerlings Produced in Various Hatcheries

Miguel Martín-Pérez,* Jaume Fernández-Borrás, Antoni Ibarz, Olga Felip, Joaquim Gutiérrez, and Josefina Blasco

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[dx.doi.org/10.1021/jf202426k](https://doi.org/10.1021/jf202426k)**Resveratrol Modulates MED28 (Magicin/EG-1) Expression and Inhibits Epidermal Growth Factor (EGF)-Induced Migration in MDA-MB-231 Human Breast Cancer Cells**

Ming-Fen Lee,* Min-Hsiung Pan, Yi-Siou Chiou, An-Chin Cheng, and Han Huang

Supporting information available via online article.