

Contents 3/12

Molecular Nutrition & Food Research

Bioactivity & Safety
Microbiology

Immunology
Chemistry

Review

Major Australian tropical fruits biodiversity: Bioactive compounds and their bioactivities

Jean T. Pierson, Ralf G. Dietzgen, Paul N. Shaw, Sarah J. Roberts-Thomson, Gregory R. Monteith
and Michael J. Gidley

357

Research Article

Fish liver and seagull eggs, vitamin D-rich foods with a shadow: Results from the Norwegian Fish and Game Study

Bryndis E. Birgisdottir, Anne L. Brantsæter, Helen E. Kvalem, Helle K. Knutsen, Margaretha Haugen,
Jan Alexander, Ragna B. Hetland, Lage Aksnes and Helle M. Meltzer 388

 Supporting information see www.mnf-journal.com

Research Article

In utero and postnatal exposure to isoflavones results in a reduced responsivity of the mammary gland towards estradiol

Almut F. Molzberger, Günter Vollmer, Torsten Hertrampf, Frank Josef Möller, Sabine Kulling and Patrick Diel 399

 Supporting information see www.mnf-journal.com

Research Article

Pre-existent Hsp72 contributes to glutamine-induced hepatic hsp72 gene activation during heat shock recovery period in rat

Shu-Jung Wang, Hsiang-Wen Chen and Rei-Cheng Yang 410



Research Article

Addition of sucralose enhances the release of satiety hormones in combination with pea protein

Maartje C. P. Geraedts, Freddy J. Troost and Wim H. M. Saris 417

Research Article

Phenethyl isothiocyanate, a naturally occurring phytochemical, is an antagonist of the aryl hydrocarbon receptor

Ahmad F. Abdull Razis, Nattaya Konsue, Myrto Dervetoglou, Kathryn E. Plant, Nick Plant and Costas Ioannides 425

Research Article

Tiliroside, a glycosidic flavonoid, inhibits carbohydrate digestion and glucose absorption in the gastrointestinal tract

Tsuyoshi Goto, Mayuka Horita, Hiroyuki Nagai, Akifumi Nagatomo, Norihisa Nishida, Youichi Matsuura and Satoshi Nagaoka 435

Research Article

Molecular and immunological characterization of Mus a 5 allergen from banana fruit

Ivana Aleksic, Milica Popovic, Rajna Dimitrijevic, Uros Andjelkovic, Emilia Vassilopoulou, Athanassios Sinaniotis,
Marina Atanaskovic-Markovic, Buko Lindner, Arnd Petersen, Nikolaos G. Papadopoulos
and Marija Gavrovic-Jankulovic 446

Research Article

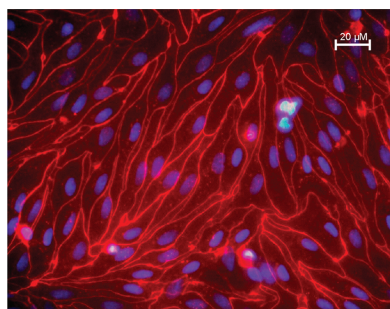
Turmeric (*Curcuma longa*) inhibits inflammatory nuclear factor (NF)- κ B and NF- κ B-regulated gene products and induces death receptors leading to suppressed proliferation, induced chemosensitization, and suppressed osteoclastogenesis

Ji H. Kim, Subash C. Gupta, Byoungduck Park, Vivek R. Yadav and Bharat B. Aggarwal 454

Research Article

Pharmacokinetics of xanthohumol and metabolites in rats after oral and intravenous administration

LeeCole Legette, Lian Ma, Ralph L. Reed, Cristobal L. Miranda, John Mark Christensen, Rosita Rodriguez-Proteau and Jan F. Stevens 466



Research Article

Permeability of ergot alkaloids across the blood–brain barrier in vitro and influence on the barrier integrity

Dennis Mulac, Sabine Hüwel, Hans-Joachim Galla and Hans-Ulrich Humpf 475

Research Article

Distribution of olive oil phenolic compounds in rat tissues after administration of a phenolic extract from olive cake

Aida Serra, Laura Rubió, Xenia Borràs, Alba Macià, Maria-Paz Romero and Maria-José Motilva 486

Research Article

Gastrointestinal stability and bioavailability of (poly)phenolic compounds following ingestion of Concord grape juice by humans

Angelique Stalmach, Christine A. Edwards, JoLynne D. Wightman and Alan Crozier 497

Food & Function

The postprandial inflammatory response after ingestion of heated oils in obese persons is reduced by the presence of phenol compounds

A. Perez-Herrera, J. Delgado-Lista, L. A. Torres-Sanchez, O. A. Rangel-Zuñiga, A. Camargo, J. M. Moreno-Navarrete, B. Garcia-Olid, G. M. Quintana-Navarro, J. F. Alcala-Diaz, C. Muñoz-Lopez, F. Lopez-Segura, J. M. Fernandez-Real, M. D. Luque de Castro, J. Lopez-Miranda and F. Perez-Jimenez 510



Supporting information see www.mnf-journal.com

Food & Function

Tolerance, fermentation, and cytokine expression in healthy aged male C57BL/6J mice fed resistant starch

June Zhou, Michael J. Keenan, Jeffrey Keller, Sun O. Fernandez-Kim, Paul J. Pistell, Richard T. Tulley, Anne M. Raggio, Li Shen, Hanjie Zhang, Roy J. Martin and Marc R. Blackman 515



Supporting information see www.mnf-journal.com