

Contents 7/08

Molecular Nutrition Food Research

Bioactivity & Safety
Microbiology

Immunology
Chemistry

Special: Herb–Drug Interactions: Theory versus Practice

Guest Editor: Jerry M. Cott

Editorial

Herb–Drug Interactions: Theory versus Practice

Jerry M. Cott. 745

Review

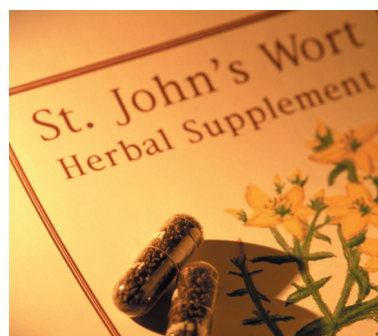
Predicting interactions between conventional medications and botanical products on the basis of *in vitro* investigations

John S. Markowitz, Lisa L. von Moltke and Jennifer L. Donovan.

Research Article

Clinical assessment of CYP2D6-mediated herb–drug interactions in humans: Effects of milk thistle, black cohosh, goldenseal, kava kava, St. John's wort, and *Echinacea*

Bill J. Gurley, Ashley Swain, Martha A. Hubbard, D. Keith Williams, Gary Barone, Faith Hartsfield, Yudong Tong, Danielle J. Carrier, Shreekar Cheboyina, and Sunil K. Battu.



.... 747

.... 755

Review

Potential interaction of *Ginkgo biloba* leaf with antiplatelet or anticoagulant drugs: What is the evidence?

Kerry Martin Bone. 764



Research Article

Gauging the clinical significance of P-glycoprotein-mediated herb–drug interactions: Comparative effects of St. John's wort, *Echinacea*, clarithromycin, and rifampin on digoxin pharmacokinetics

Bill J. Gurley, Ashley Swain, D. Keith Williams, Gary Barone and Sunil K. Battu. 772

Review

Medication-induced mitochondrial damage and disease

John Neustadt and Steve R. Piezenik. 780

Review**A critical evaluation of drug interactions with *Echinacea* spp.***Camille Freeman and Kevin Spelman*.....

... 789

Review***In vivo* assessment of herb–drug interactions: Possible utility of a pharmacogenetic approach?***Brian Tomlinson, Miao Hu and Vivian W. Y. Lee*.....

... 799



Special: 25 Years Food Chemistry and Toxicology at the University of Kaiserslautern

Editor: Gerhard Eisenbrand**Meetings Report****25 Years Food Chemistry and Toxicology at the University of Kaiserslautern***Michael Habermeyer, Sabine Guth and Gerhard Eisenbrand* 810**Research Article****Comparison of delphinidin, quercetin and (–)-epigallocatechin-3-gallate as inhibitors of the EGFR and the ErbB2 receptor phosphorylation***Diana Fridrich, Nicole Teller, Melanie Esselen, Gudrun Pahlke and Doris Marko* 815**Research Article****The influence of metabolism on the genotoxicity of catechol estrogens in three cultured cell lines***Silke Gerstner, Dörte Glasemann, Erika Pfeiffer and Manfred Metzler* 823**Research Article****Effects of the mycotoxin deoxynivalenol on human primary hepatocytes***Maika Königs, Gerald Schwerdt, Michael Gekle and Hans-Ulrich Humpf* 830**Research Article****Model experiments mimicking the human intestinal transit and metabolism of D-galacturonic acid and amidated pectin***Bastian Knaup, Michael Kempf, Jan Fuchs, Anagnostis Valotis, Kathrin Kahle, Anett Oehme, Elke Richling and Peter Schreier* 840