

Contents 6/07

Molecular Nutrition Food Research

Bioactivity & Safety
Microbiology

Immunology
Chemistry

Special: Berry Fruits

Guest Editor: Garry G. Duthie

Editorial

Berry Fruits

Garry G. Duthie 643

Research Article

Metabolomic approach to identifying bioactive compounds in berries: Advances toward fruit nutritional enhancement

Derek Stewart, Gordon J. McDougall, Julie Sungurtas, Susan Verrall, Julie Graham and Inger Martinussen 645

Review

Cranberry and blueberry: Evidence for protective effects against cancer and vascular diseases

Catherine C. Neto 652

Review

Berry phytochemicals, genomic stability and cancer: Evidence for chemoprotection at several stages in the carcinogenic process

Susan J. Duthie 665

Research Article

Berry anthocyanins as novel antioxidants in human health and disease prevention

Shirley Zafra-Stone, Taharat Yasmin, Manashi Bagchi, Archana Chatterjee, Joe A. Vinson and Debasis Bagchi 675



Review

Antioxidant activity and antimicrobial effect of berry phenolics – a Finnish perspective

Marina Heinonen 684

Review

Evidences of the cardioprotective potential of fruits: The case of cranberries

Guillaume Ruel and Charles Couillard 692

Review**The bioavailability and absorption of anthocyanins: Towards a better understanding**

Tony K. McGhie¹ and Michaela C. Walton702

Research Article**The bioavailability of raspberry anthocyanins and ellagitannins in rats**

Gina Borges, Suri Roowi, Jean-Max Rouanet, Garry G. Duthie, Michael E. J. Lean and Alan Crozier 714

Research Article**Availability of blueberry phenolics for microbial metabolism in the colon and the potential inflammatory implications**

Wendy R. Russell, Aurélie Labat, Lorraine Scobbie and Sylvia H. Duncan 726

Review**Bioactive compounds in cranberries and their role in prevention of urinary tract infections**

Amy B. Howell 732

Review**A systematic review of the evidence for cranberries and blueberries in UTI prevention**

Ruth G. Jepson and Jonathan C. Craig 738

Research Article**Effect of cranberry juice on eradication of *Helicobacter pylori* in patients treated with antibiotics and a proton pump inhibitor**

Haim Shmueli, Jacob Yahav, Zmira Samra, Gabriel Chodick, Rivka Koren, Yaron Niv and Itzhak Ofek 746

Research Article**Cranberry cocktail juice, cranberry concentrates, and proanthocyanidins reduce reovirus infectivity titers in African green monkey kidney epithelial cell cultures**

Steven M. Lipson, Patrice Cohen, Juliana Zhou, Allan Burdowski and Guenther Stotzky 752

