

Special Issue

Berry Phytoconstituents, Their Metabolites, and Interactions with Human Microbiota

Message from the Guest Editors

Berries (*Vaccinium macrocarpon*) have been recognized as a source of potential health benefits ranging from urinary tract and gut health to cardiovascular benefits to anti-tumor and anti-inflammatory properties. Its potential health benefits are linked to a growing list of bioactive constituents. These include flavonoids and polyphenols, but also under-represented phytoconstituents such as organic acids, triterpenoids, polysaccharides, fiber and associated metabolites. These may contribute in complementary or synergistic ways to cranberry's pharmacological properties and bear further study. Variation in fruit source and composition combined with a wide variety of processing methods, such as fermentation, can yield vast differences in phytochemical profile and associated effects on the gut microbiome. This issue welcomes studies on berries, its phytochemicals and metabolites, with particular emphasis on the interactions of these components with the human microbiota. This includes changes in chemical composition as a result of processing, human metabolism or the development of value-added berry products using enzymatic, microbial and other biotransformations.

Guest Editors

Prof. Dr. Catherine C. Neto

Department of Chemistry and Biochemistry, Cranberry Health Research Center, University of Massachusetts Dartmouth, North Dartmouth, MA 02747, USA

Dr. Shawna MacKinnon

Agriculture and Agri-Food Canada, Kentville, NS, Canada

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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