Special Issue

Role of Antioxidants Intake on Gut Microbiome

Message from the Guest Editor

The gut is a complex microecosystem. The interrelationship between the gut microbiome and the host determines the key physiological processes of the body's metabolism. There is a bidirectional mechanism between the gut microbiome and stress. Oxidative stress causes the imbalance of the gut microbiota and harmful bacteria translocation, which cause a series of diseases. The gut microbiota and some of their metabolites are beneficial for the body's antioxidant capacity. More and more studies have confirmed that antioxidants (probiotics, vitamins and, plant extract with antioxidant properties) can alleviate intestinal oxidative stress, regulate the composition of gut microbiota, improve the disorder of gut microbiota, and improve the antioxidant capacity of the body. For this Special Issue, “Role of Antioxidants Intake on Gut Microbiome”, we encourage you to submit the results of your latest research or a review article toward updating the knowledge on antioxidant intake and the key role they play in the regulation of the gut microbiome.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

Editor-in-Chief

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