

Special Issue

Interaction between Polyphenols and Gut Microbiota in Cancer

Message from the Guest Editor

Dietary polyphenols are natural compounds present in plants with important biological functions. These include their antioxidant, antifungal and antibacterial properties. In vitro studies have also demonstrated their anti-inflammatory and antiproliferative effects. On the other hand, the microbiota, mainly digestive, is receiving a great deal of attention since its metabolites seem to influence an increasing number of physiological processes. This could be of vital interest for the treatment of highly prevalent pathologies such as cancer. In fact, the direct relationship between polyphenol metabolism and the digestive microbiota has been demonstrated, and the relationship between inflammatory phenomena and intestinal dysbiosis is also known. However, in vivo studies are more scarce. In any case, the variety of existing food polyphenols and pre/probiotics is very large, and more research is needed on the relationship between them and tumor transformation to find effective treatments that take advantage of their properties.

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Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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