Special Issue

Polymer Dietary Fibers and Gut Microbiota

Message from the Guest Editor

Dietary fibers are a class of functional carbohydrate polymers that we consume every day. Gut microbiota is a fast-moving field of biomedical research, and dissecting the interactions between gut microbiota and dietary fibers can help us to understand the function and metabolism of these polymers. It is against this backdrop that this Special Issue is being launched, which will focus on studies that explore the interactions between dietary fibers and gut microbiota.

In this Special Issue of Polymers, we sincerely invite you to make a contribution in this issue focus on following topics:
1. Degradation behaviors of dietary fibers (for example, inulin, resistant starch, xylan, pectin) and functional natural polysaccharides by human gut microbiota;
2. Modulatory effects of dietary fibers and functional natural polysaccharides on the gut microbiota in health and disease;
3. Isolation of fiber-degrading bacteria from the human gut microbiota;
4. Multi-omics studies aiming to dissect the interactions between gut microbiota and dietary fibers;
5. Fermentation products analysis of dietary fibers and functional natural polysaccharides.

Guest Editor

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker
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