



toxins



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Kidney Disease-Gut Dysbiosis: What Is the Role of Uremic Toxins?

Guest Editor:

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Deadline for manuscript submissions:

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Message from the Guest Editor

The gut microbial composition is altered in patients with chronic kidney disease (CKD). These alterations are further enhanced by several uremia-related factors. In addition, the gut microbiota are a potential cause of change in the gut biochemical milieu can contribute to the complex clinical picture of CKD. In CKD, the homeostasis between the end-products of carbohydrate fermentation, such as short-chain fatty acids, and end-products of protein fermentation, among which are the precursors of well-known uremic toxins, is disrupted. To what extent this contributes to the increase in the plasma levels of uremic toxins is yet unclear. Gut microbiota and their metabolism are potential targets for reducing the circulating levels of uremic toxins and improving the outcomes of patients with CKD. In addition, studying the metabolism of intestinally generated uremic toxins along the gut–liver–kidney axis is desirable, and omics approaches are an important tool in this context.

This SI focuses on the relationship between gut dysbiosis and uremic toxins in all its aspects. Original research papers and review articles describing novelties or overviews, respectively, are welcome.



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Special Issue



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Message from the Editor-in-Chief

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