

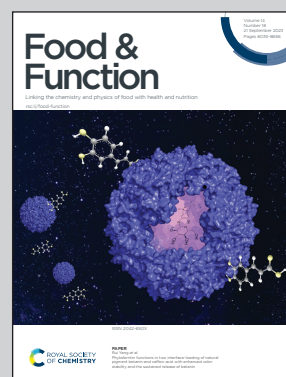


Showcasing research from Professor Geng Zhong's laboratory, College of Food Science, Southwest University, Chongqing, P.R. China.

Carbohydrate supplementation retains intestinal barrier and ameliorates bacterial translocation in an antibiotic-induced mouse model

Bacterial translocation (BT), with antibiotic use as an inducer, is associated with increased risk of developing multiple inflammatory disorders. This work applied the typical high-molecular-weight polymer Konjac glucomannan (KGM), and its derivatives, Deacetylated KGM (DKGM) and konjac oligo-glucomannan (KOGM), to a mouse model, and unravelled the inhibitory effect of KGM and its derivatives on BT and the accompanying inflammation response by maintaining intestinal barriers integrity.

As featured in:



See Geng Zhong *et al.*, *Food Funct.*, 2023, 14, 8186.