

Food & Function

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Cover

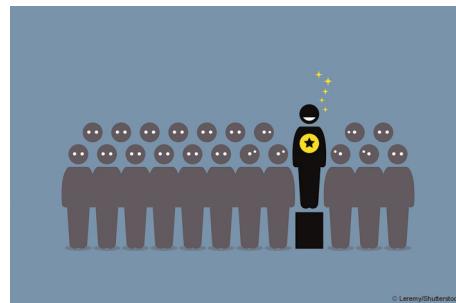
See Qingyu Zhao,
Qun Shen et al.,
pp. 7782–7793.

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2024, **15**, 7782.

EDITORIAL

7695

Outstanding Reviewers for *Food & Function*
in 2023

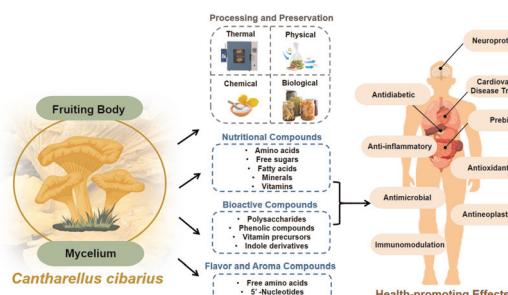


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Insights into chemical components, health-promoting effects, and processing impact of golden chanterelle mushroom *Cantharellus cibarius*

Xinlei Chen and Baojun Xu*



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Fundamental questions
Elemental answers



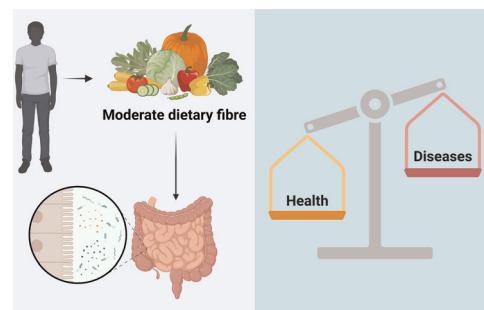
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REVIEWS

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Let food be your medicine – dietary fiber

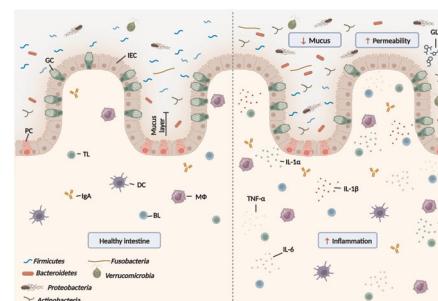
Mengqi Liu, Shouren Li, Shixi Cao, Cong Liu, Yao Han, Jiawen Cheng, Shuhang Zhang, Jiangchao Zhao and Yinghua Shi*



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Effects of glyphosate exposure on intestinal microbiota, metabolism and microstructure: a systematic review

Amanda da Cunha Ignácio, Andressa Maria dos Reis Guerra, Thaiany Goulart de Souza-Silva, Mariana Araújo Vieira do Carmo* and Hudsara Aparecida de Almeida Paula

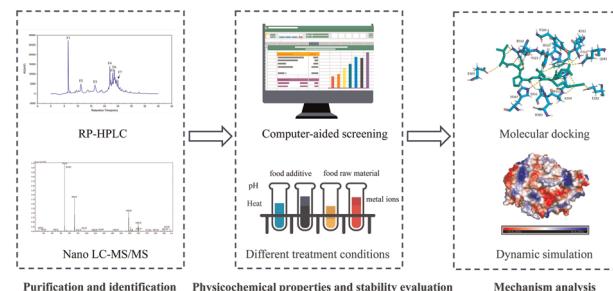


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Identification, screening and molecular mechanisms of natural stable angiotensin-converting enzyme (ACE) inhibitory peptides from foxtail millet protein hydrolysates: a combined *in silico* and *in vitro* study

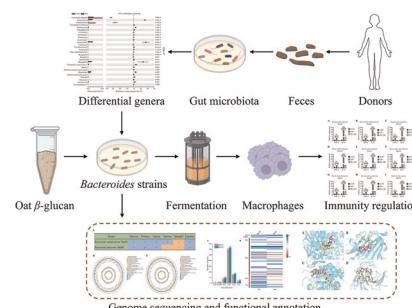
Yiqing Zhu, Changyu Chen, Zijian Dai, Han Wang, Yiyun Zhang, Qingyu Zhao,* Yong Xue and Qun Shen*



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***In vitro* fermentation reveals an interplay relationship between oat β-glucan and human gut *Bacteroides* and their potential role in regulating gut cytokines**

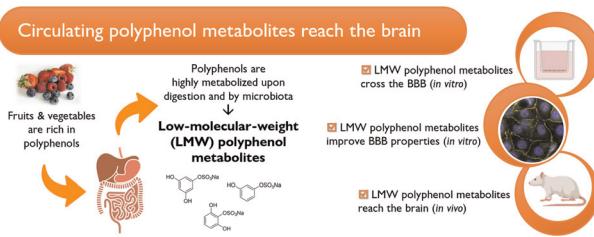
Junying Bai, Jing Wang, Mingcong Fan, Yan Li, Linhua Huang and Li Wang*



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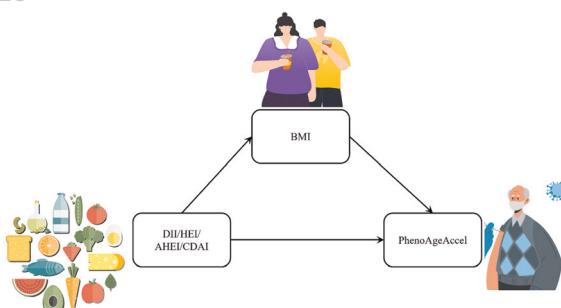
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Circulating polyphenol metabolites reach the brain

Circulating low-molecular-weight (poly)phenol metabolites in the brain: unveiling *in vitro* and *in vivo* blood–brain barrier transport

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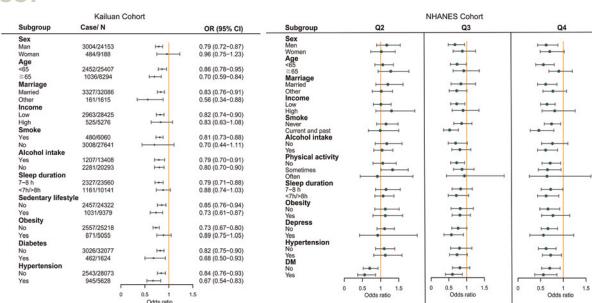
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Body mass index mediates the association between four dietary indices and phenotypic age acceleration in adults: a cross-sectional study

Jing Li, Zibo Wu, Sitong Xin, Yang Xu, Fengdan Wang, Yan Liu, Sizhe Wang, Yibo Dong, Yuangang Guo, Yu Han, Jing Zhao, Yuqi Gao, Mengzi Sun and Bo Li*

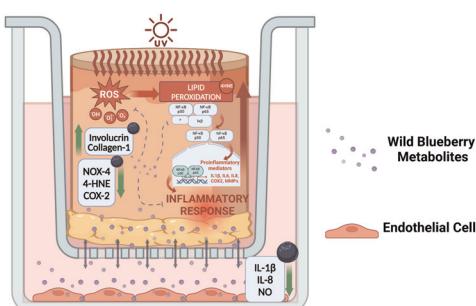
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Association between dietary quality and accelerated aging: a cross-sectional study of two cohorts

Yue Chen, Xin Zheng, Yiming Wang, Chenan Liu, Jinyu Shi, Tong Liu, Shiqi Lin, Hailun Xie, Heyang Zhang, Xiaoyue Liu, Zhaotong Bu, Li Deng, Shouling Wu* and Hanping Shi*

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Gut-derived wild blueberry phenolic acid metabolites modulate extrinsic cutaneous damage

John Ivarsson, Abby Bennett, Francesca Ferrara, Renee Strauch, Andrea Vallase, Massimo Iorizzo, Alessandra Pecorelli, Mary Ann Lila and Giuseppe Valacchi*

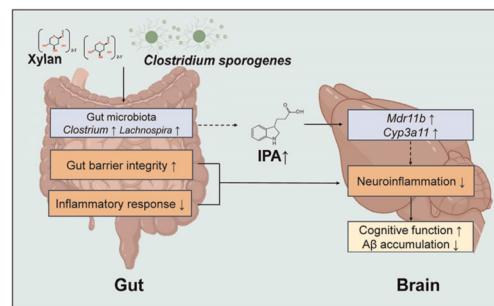


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Synbiotic therapy with *Clostridium sporogenes* and xylan promotes gut-derived indole-3-propionic acid and improves cognitive impairments in an Alzheimer's disease mouse model

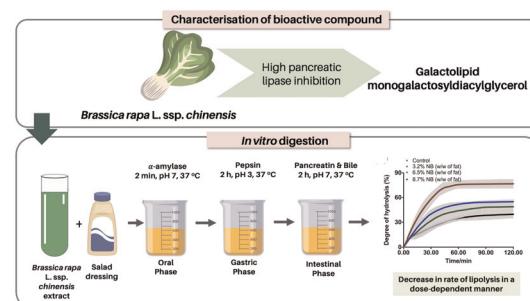
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Characterisation of pancreatic lipase inhibitors from *Brassica rapa* L. ssp. *chinensis*

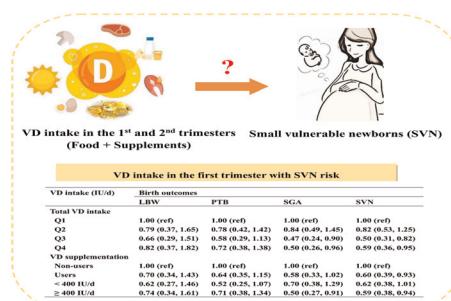
Joanne Yi Hui Toy, Yu Yan Lim, Habiba Shalash and Dejian Huang*



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Association of vitamin D intake during pregnancy with small vulnerable newborns: a population-based cohort study

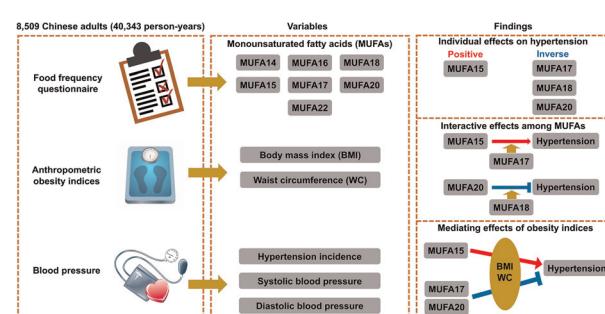
Shanshan Wang, Gabriela Maria Villagrán Escobar, Ziyu Chen, Xiu Li, Guoping Xiong, Xuefeng Yang, Jian Shen* and Liping Hao*



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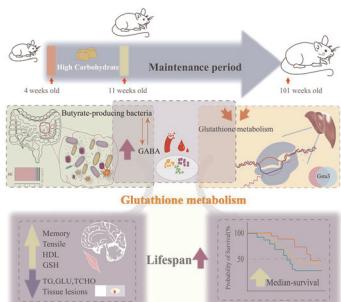
Individual and interaction effects of monounsaturated fatty acids on their associations with hypertension in Chinese residents

Yuyan Liu, Yuanhong Liang, Xiaoyu Zhao, Shuxian Ma, Guifan Sun and Yongfang Li*



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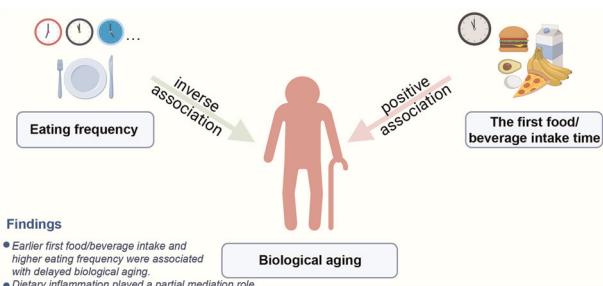
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Longevity extension in rats *via* improved redox homeostasis with high carbohydrate diet intervention from weaning to adulthood: a comprehensive multi-omics study

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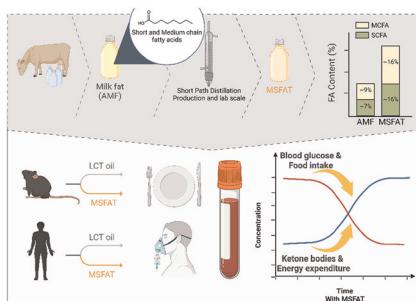
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Association of chrononutrition patterns with biological aging: evidence from a nationally representative cross-sectional study

Qianyu Zhang, Gang Chen, Yanzhi Feng, Mo Li, Xingyu Liu, Lanfang Ma, Jinjin Zhang* and Shixuan Wang*

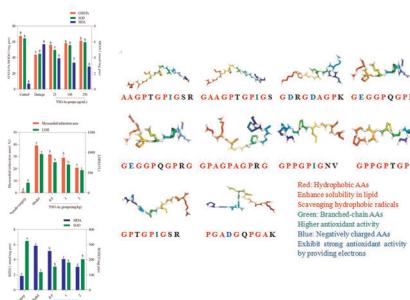
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Novel methodology to enrich medium- and short-chain fatty acids in milk fat to improve metabolic health

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Preparation of antioxidant peptides from yak skin gelatin and their protective effect on myocardial ischemia reperfusion injury

Chongning Jiang, Aiguo Meng, Xiaoyu Shi, Zhiping Fu, Yali Wang, Jingjing Zhou, Xiaowei Zhang and Chunyan Liu*

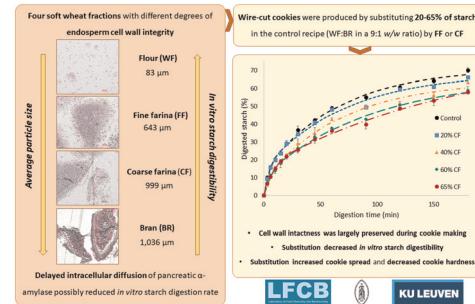


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The particle sizes of milled wheat fractions affect the *in vitro* starch digestibility and quality parameters of wire-cut cookies made thereof

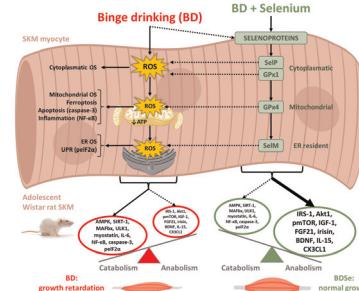
Leonardo I. Mulargia,* Elien Lemmens, Kurt Gebruers, Pierre D'udekem D'acoz,* Arno G. B. Wouters and Jan A. Delcour



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Selenium supplementation via modulation of selenoproteins ameliorates binge drinking-induced oxidative, energetic, metabolic, and endocrine imbalance in adolescent rats' skeletal muscle

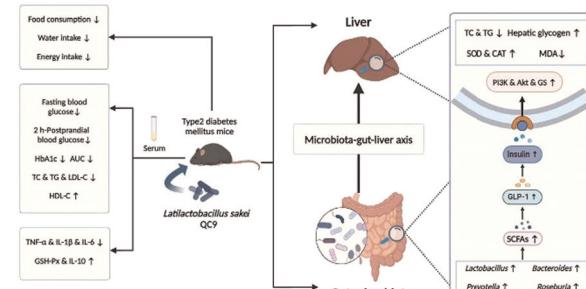
Inés Romero-Herrera, Fátima Nogales,* María del Carmen Gallego-López, Javier Díaz-Castro, Olimpia Carreras and María Luisa Ojeda



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***Latilactobacillus sakei* QC9 alleviates hyperglycaemia in high-fat diet and streptozotocin-induced type 2 diabetes mellitus mice via the microbiota–gut–liver axis**

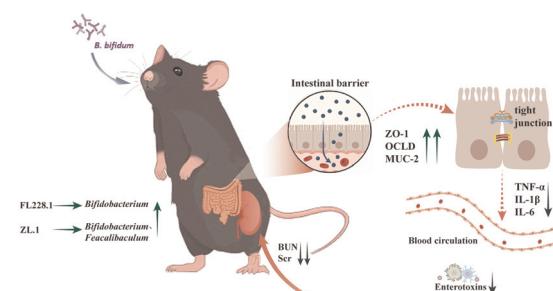
Mengling Chen, Pengyuan Pan, Hongyan Zhang, Rao Li, Dayong Ren* and Bin Jiang*



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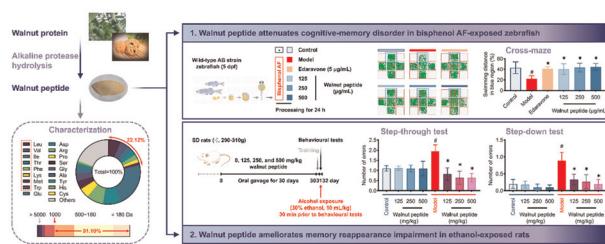
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Yang Meng, Maozhen Zhao, Qiyu Ma, Qinglian Hua, Jinpeng Hu, Qi Zhou, Huaxi Yi, Zhe Zhang* and Lanwei Zhang*



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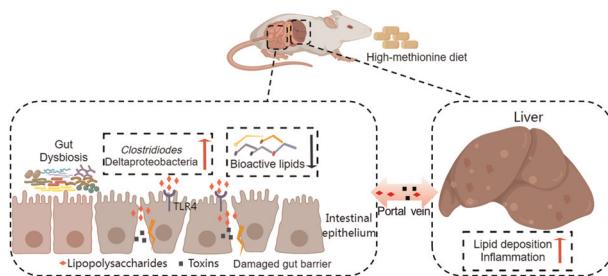
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Treatment with walnut peptide ameliorates memory impairment in zebrafish and rats: promoting the expression of neurotrophic factors and suppressing oxidative stress

Wei Wei, Qiming Wu, Shuai Wang, Chuanmin Dong, Shujuan Shao, Zhao Zhang, Xiping Zhang, Xuejun Zhang, Juntao Kan* and Fuguo Liu*

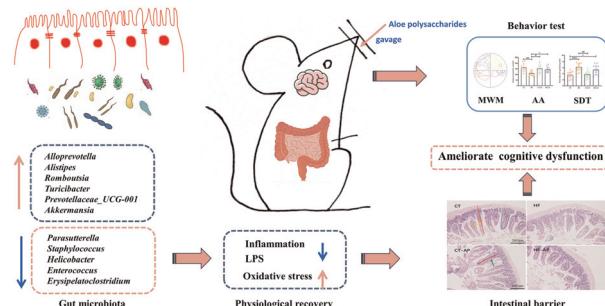
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High methionine intake alters gut microbiota and lipid profile and leads to liver steatosis in mice

Lingxi Zhou, Zhen Yan, Songfan Yang, Gexue Lu, Yawen Nie, Yilin Ren, Yuzheng Xue, Jin-Song Shi, Zheng-Hong Xu* and Yan Geng*

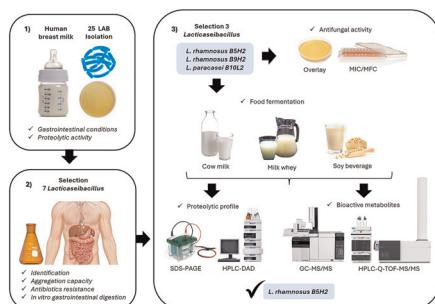
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Aloe polysaccharides ameliorate obesity-associated cognitive dysfunction in high-fat diet-fed mice by targeting the gut microbiota and intestinal barrier integrity

Ling Mo, Jingjing Li, Hangsun Lu, Shaoda Lu, Henghui Fu, Bo Huang* and Chaochao Zhao*

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Characterization of lactic acid bacteria isolated from human breast milk and their bioactive metabolites with potential application as a probiotic food supplement

Abel Navarré, Tiago Nazareth, Carlos Luz, Giuseppe Meca and Laura Escrivá*

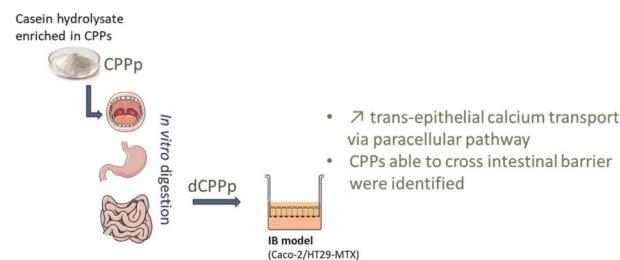


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Digested casein phosphopeptides impact intestinal calcium transport *in vitro*

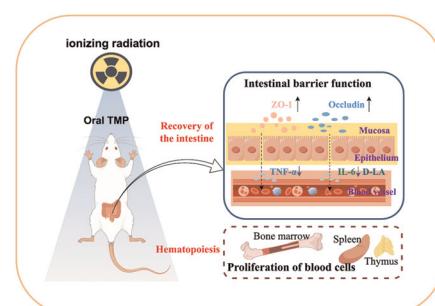
Mathie Tenenbaum, Barbara Deracinois, Camille Dugardin, Julie Auger, Alain Baniel, Audrey Boulier, Christophe Flahaut, Rozenn Ravallec and Benoit Cudennec*



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Study on the mechanism of mitigating radiation damage by improving the hematopoietic system and intestinal barrier with *Tenebrio molitor* peptides

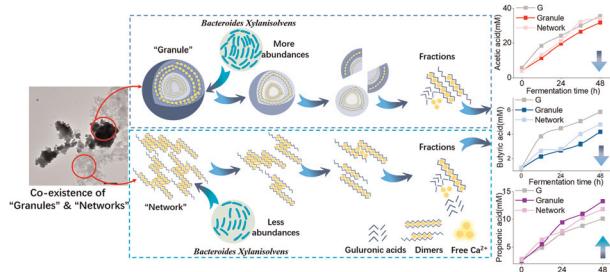
Yuting Shang, Pengfei Cui, Yachun Chen, Ziqi Zhang, Siting Li, Zhou Chen, Aijin Ma* and Yingmin Jia*



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***In vitro* colon fermentation behaviors of Ca²⁺ cross-linked guluronic acid block from sodium alginate**

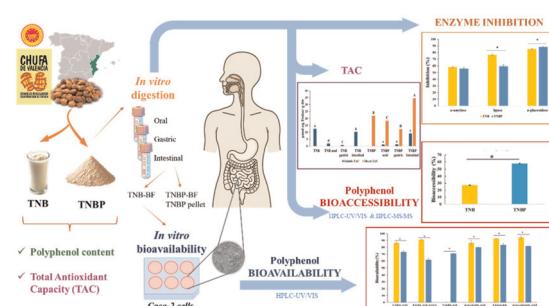
Dan Yuan, Wengjian Xiao, Ao Gao, Wei Lu, Zhiming Gao,* Bing Hu, Yuehan Wu, Wenxin Jiang and Yanlei Li



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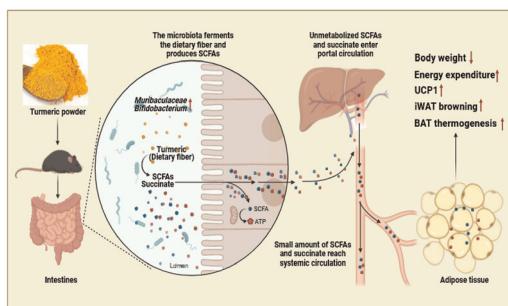
Potential bioaccessibility and bioavailability of polyphenols and functional properties of tiger nut beverage and its by-product during *in vitro* digestion

Paula Llorens, Manuela Flavia Chiacchio, Silvia Tagliamonte, Ana Juan-García, Noelia Pallarés, Juan Carlos Moltó, Paola Vitaglione* and Cristina Juan



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Consumption of dietary turmeric promotes fat browning and thermogenesis in association with gut microbiota regulation in high-fat diet-fed mice

Chengcheng Yang, Yao Du, Tong Zhao,* Lu Zhao,
Lu Liu, Luyao Liu and Xingbin Yang*

