

Food & Function

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Cover

See Chuang Yu *et al.*,
pp. 2879–2894.

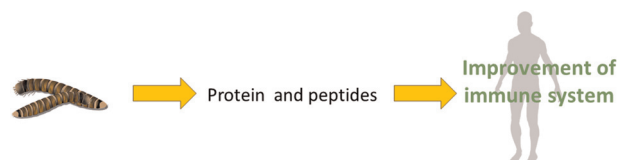
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2024, **15**, 2879.

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Edible insects as a source of biopeptides and their role in immunonutrition

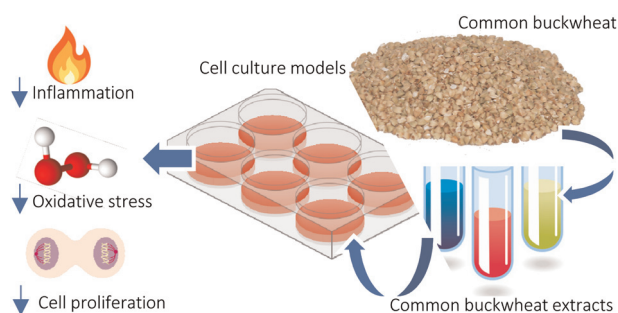
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Fundamental questions
Elemental answers

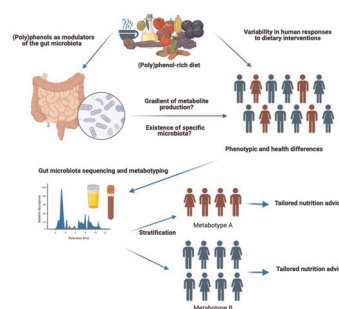


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(Poly)phenol-related gut metabolites and human health: an update

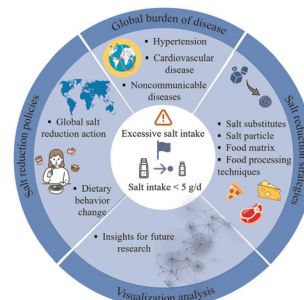
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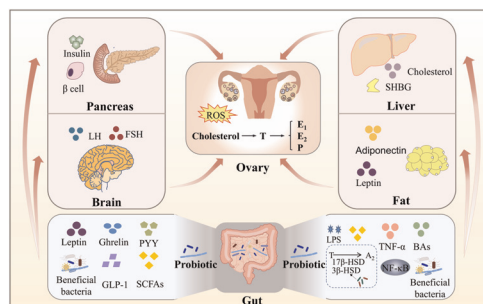
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Xiao Liu, Xiaoyong Chen, Chen Wang, Jijia Song, Jiahui Xu, Zhen Gao, Yechuan Huang* and Huayi Suo*

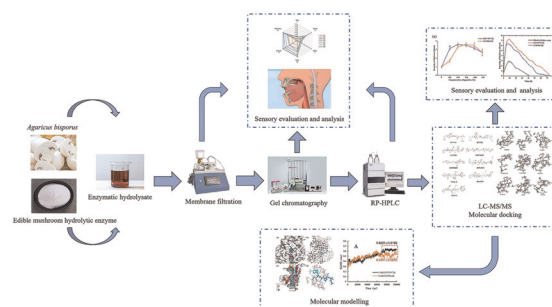


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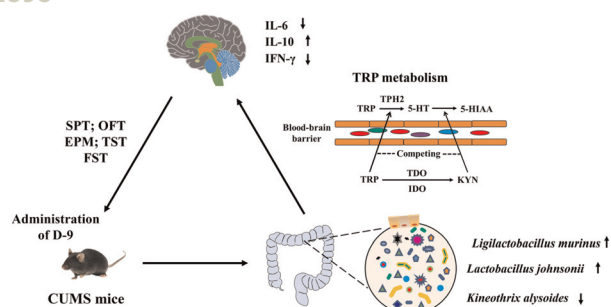
Exploring novel Kokumi peptides in *Agaricus bisporus*: selection, identification, and tasting mechanism investigation through sensory evaluation and computer simulation analysis

Tao Feng, Chenwei Ma, Sha Chen, Haining Zhuang, Shiqing Song, Min Sun, Lingyun Yao, Huatian Wang, Qian Liu and Chuang Yu*



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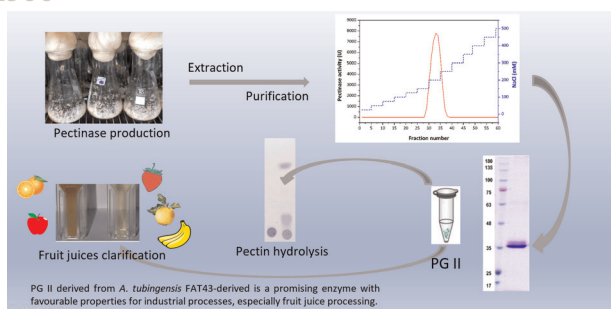
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Neuroprotective effects of probiotics on anxiety- and depression-like disorders in stressed mice by modulating tryptophan metabolism and the gut microbiota

Longgang Jia, Ling Xiao, Yao Fu, Zhen Shao, Zhaoxuan Jing, Jiahu Yuan, Yufeng Xie, Jun Guo, Yanping Wang* and Weitao Geng*

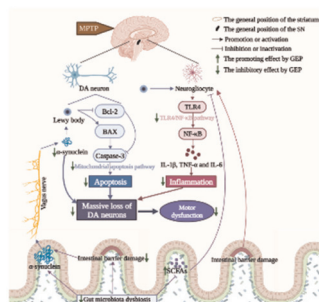
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Improvement of fruit juice quality: novel endo-polygalacturonase II from *Aspergillus tubingensis* FAT 43 for enhanced liquefaction, clarification, and antioxidant potential

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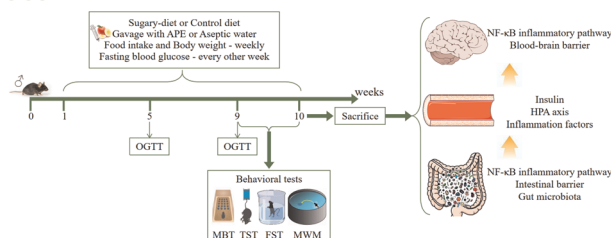
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Gastrodia elata polysaccharide alleviates Parkinson's disease via inhibiting apoptotic and inflammatory signaling pathways and modulating the gut microbiota

Qing-xia Gan, Mao-yao Peng, Hao-bo Wei, Lin-lin Chen, Xiao-yan Chen, Zi-han Li, Guang-qin An and Yun-tong Ma*

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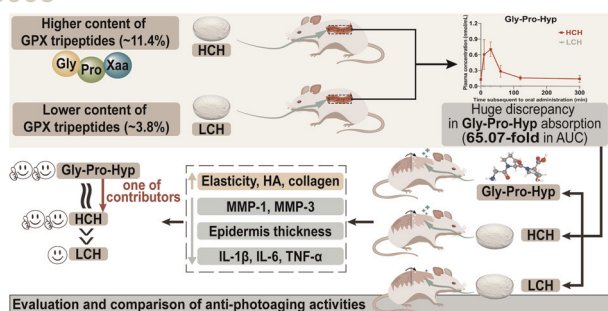
Apple polyphenol extract ameliorates sugary-diet-induced depression-like behaviors in male C57BL/6 mice by inhibiting the inflammation of the gut-brain axis

Yisha Xie, Zhengli Wu, Qingfan Qian, Hao Yang, Jieyu Ma, Wenxue Luan, Siyuan Shang and Xinli Li*



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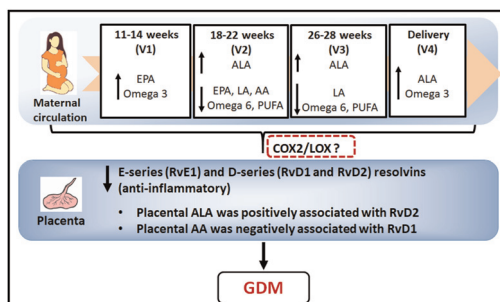
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Effects of collagen hydrolysates on UV-induced photoaging mice: Gly-Pro-Hyp as a potent anti-photoaging peptide

Danyin Yang, Qi Liu, Qiongyao Xu, Lin Zheng, Silu Zhang, Shan Lu, Guoxun Xiao* and Mouming Zhao*

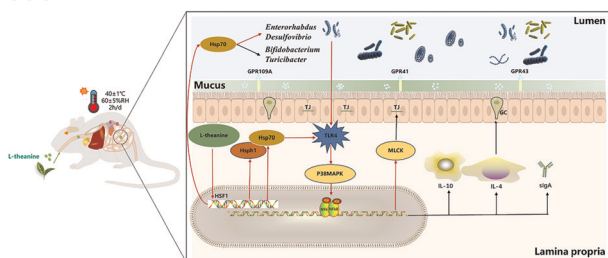
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Fatty acids and their metabolites (resolvins) are altered in women with gestational diabetes mellitus (GDM)

Nikita Joshi, Anjali Jadhav, Aditi Godhamgaonkar, Deepali Sundrani, Karuna Randhir, Hemalata Pisal, Girija Wagh, Ghattu Krishnaveni, Sanjay Gupte and Sadhana Joshi*

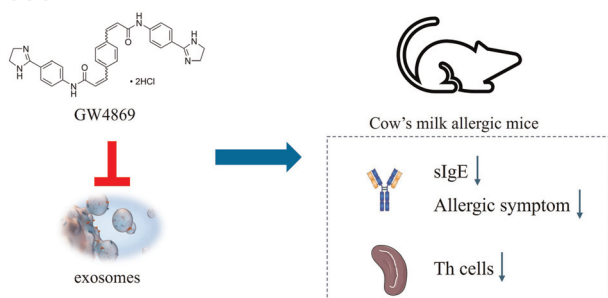
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The protective effect of L-theanine on the intestinal barrier in heat-stressed organisms

Bin Wang, Sha Liu, Ling Lin, Wei Xu, Zhihua Gong* and Wenjun Xiao*

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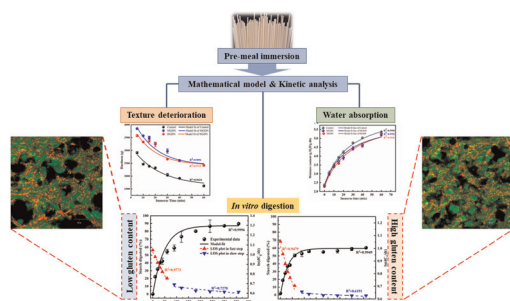


Blockade of exosome release alleviates the hypersensitive reaction by influencing the T helper cell population in cow's milk allergic mice

Xin Ma, Jiaheng Xia, Jin Yuan, Xuanyi Meng, Hongbing Chen and Xin Li*



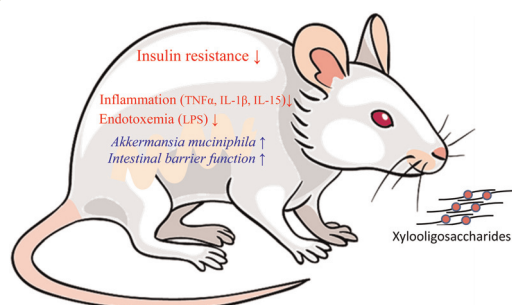
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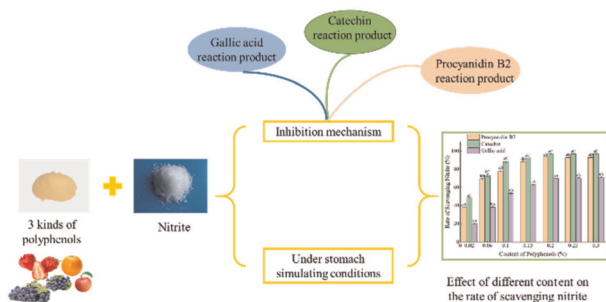
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Xylooligosaccharides ameliorate insulin resistance by increasing *Akkermansia muciniphila* and improving intestinal barrier dysfunction in gestational diabetes mellitus mice

Junyi Yang, Jiexian Wang, Weiliang Wu, Chuhong Su, Yanhua Wu and Qing Li*

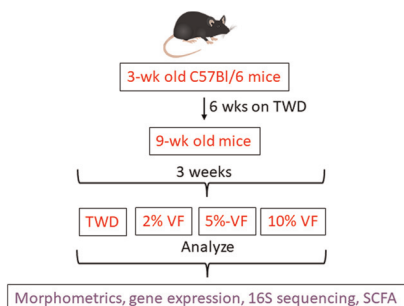
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Inhibitory effects and reactions of gallic acid, catechin, and procyanidin B2 with nitrosation under stomach simulating conditions

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A type 4 resistant potato starch alters the cecal microbiome and gene expression in mice fed a western diet based on NHANES data

Allen D. Smith,* Celine Chen, Lumei Cheung, Robert E. Ward, B. Sky Jones, Elizabeth A. Pletsch and Harry D. Dawson

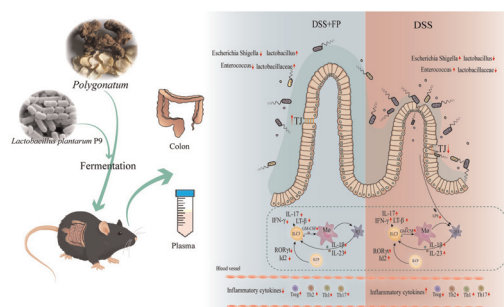


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Modulatory effects of fermented *Polygonatum cyrtoneuma* Hua on immune homeostasis and gut integrity in a dextran-sulfate-sodium-induced colitis model

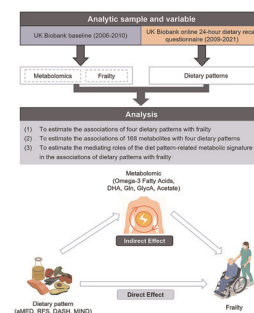
Tao Li, Fengyao Yu, Tao Zhang, Xiaoya Wang, Yong Sun, Gexia Shuai, Yuhuan Chen, Yanhua Xue, Jinlian Zhang* and Hua Zhang*



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Dietary patterns, metabolomics and frailty in a large cohort of 120 000 participants

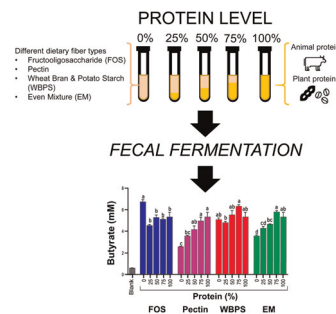
Zhao Yao, Xueqing Jia, Zhuoneng Chen, Tianfang Zhang, Xin Li, Liming Zhang, Fenfen Chen, Jingyun Zhang, Ziwei Zhang, Zuyun Liu* and Zuobing Chen*



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Protein combined with certain dietary fibers increases butyrate production in gut microbiota fermentation

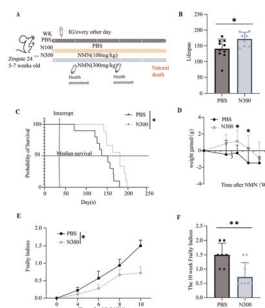
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β -Nicotinamide mononucleotide supplementation prolongs the lifespan of prematurely aged mice and protects colon function in ageing mice

Yanrou Gu, Lidan Gao, Jiamin He, Man Luo, Mei Hu, Yuxian Lin, Jianxin Li, Tongyao Hou,* Jianmin Si* and Yingcong Yu*



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Retraction: Dealcoholized muscadine wine was partially effective in preventing and treating dextran sulfate sodium-induced colitis and restoring gut dysbiosis in mice

Hao Li, Lindsey M. Christman, Yavuz Yagiz, Taylor L. Washington, Gary P. Wang and Liwei Gu*

