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See Chuang Yu et al., pp. 2879–2894.

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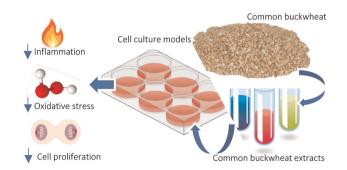
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Environmental Science: Atmospheres

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Fundamental questions Elemental answers



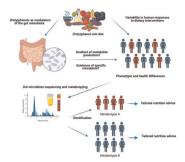
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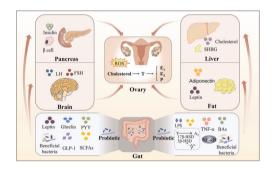
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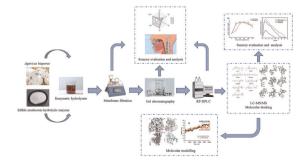


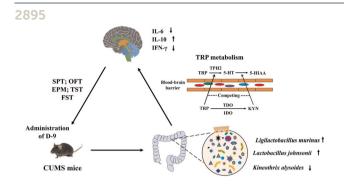
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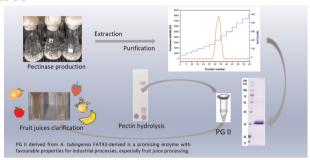




Neuroprotective effects of probiotics on anxietyand depression-like disorders in stressed mice by modulating tryptophan metabolism and the gut microbiota

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

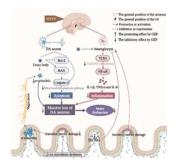
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Improvement of fruit juice quality: novel endo-polygalacturonase II from Aspergillus tubingensis FAT 43 for enhanced liquefaction, clarification, and antioxidant potential

Marija Pavlović,* Aleksandra Margetić, Adrijana Leonardi, Igor Križaj, Milan Kojić, Zoran Vujčić and Marinela Šokarda Slavić

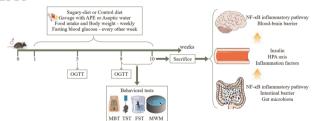
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Gastrodia elata polysaccharide alleviates Parkinson's disease *via* inhibiting apoptotic and inflammatory signaling pathways and modulating the gut microbiota

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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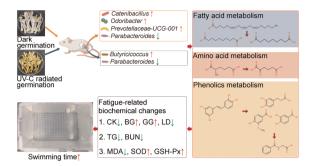
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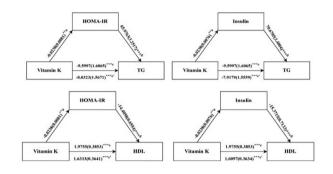
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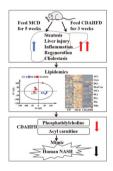
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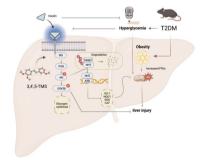
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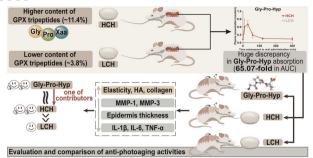
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3,4',5-Trimethoxy-trans-stilbene ameliorates hepatic insulin resistance and oxidative stress in diabetic obese mice through insulin and Nrf2 signaling pathways

Yi Tan, Chunxiu Zhou, Lingchao Miao, Xutao Zhang, Haroon Khan, Baojun Xu* and Wai San Cheang*



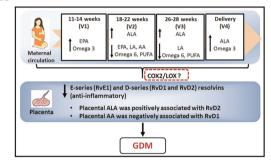
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Effects of collagen hydrolysates on UV-induced photoaging mice: Gly-Pro-Hyp as a potent anti-photoaging peptide

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

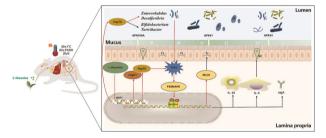
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Fatty acids and their metabolites (resolvins) are altered in women with gestational diabetes mellitus (GDM)

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*

GW4869 Cow's milk allergic mice SIgE | Allergic symptom | Th cells |

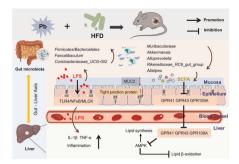
Blockade of exosome release alleviates the hypersensitive reaction by influencing the T helper cell population in cow's milk allergic mice

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

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Lead exposure exacerbates liver injury in high-fat diet-fed mice by disrupting the gut microbiota and related metabolites

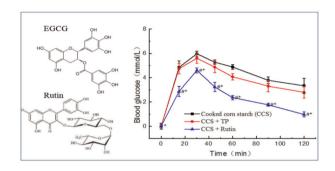
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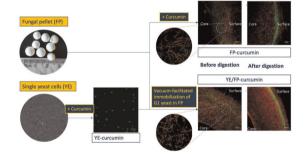
Menglin Jiang, Wangyan Qin, Shengpeng Zhang and Genyi Zhang*



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Filamentous fungal pellets as a novel and sustainable encapsulation matrix for exogenous bioactive compounds

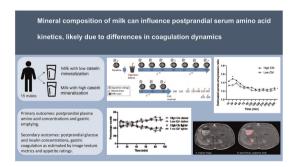
Yixing Lu, Minami Ogawa, Jaime Moreno García and Nitin Nitin*



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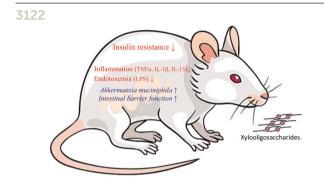
Elise J. M. van Eijnatten,* Julia J. M. Roelofs, Guido Camps, Thom Huppertz, Tim T. Lambers and Paul A. M. Smeets



Pre med immersion Mathematical model & Kinetic analysis Texture electrication Trainer detectionation Trainer detectionation Trainer detectionation Trainer detectionation Trainer detectionation Trainer detectionation

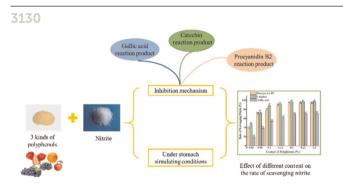
Impact of pre-meal immersion on multi-scale structural changes and starch digestibility of cooked dried noodles

Jiasheng Wang, Chong Liu,* Hanrui Yang, Xuedong Li, Jing Hong, Mei Liu, Binghua Sun, Erqi Guan and Xueling Zheng



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

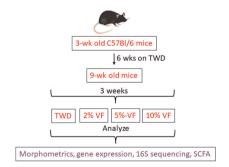
Junyi Yang, Jiexian Wang, Weiliang Wu, Chuhong Su, Yanhua Wu and Qing Li*



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

Shuncheng Ren, Haiyang Hu, Xiaoai Zhu,* Shenli Wang,* Wenhong Zhao, Dongdong Xie, Jun Xi and Kunlun Liu

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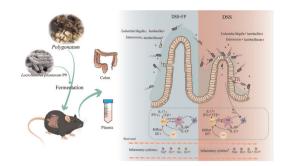
A type 4 resistant potato starch alters the cecal microbiome and gene expression in mice fed a western diet based on NHANES data

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* cyrtonema Hua on immune homeostasis and gut integrity in a dextran-sulfate-sodium-induced colitis model

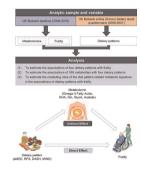
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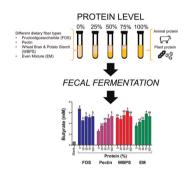
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Protein combined with certain dietary fibers increases butyrate production in gut microbiota fermentation

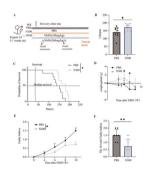
Rachel Jackson, Tianming Yao,* Nuseybe Bulut, Thaisa M. Cantu-Jungles* and Bruce R. Hamaker*



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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*



RETRACTION

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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*