

Food & Function

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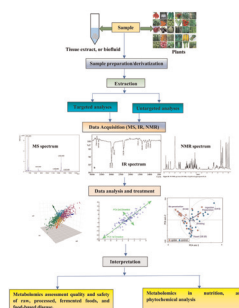
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Emerging trends and applications of metabolomics in food science and nutrition

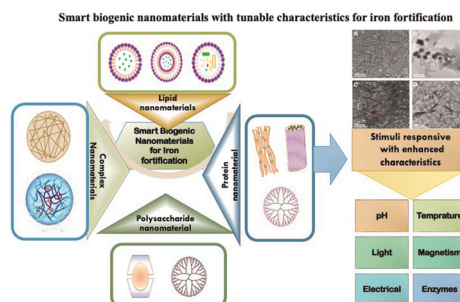
Jianye Zhang, Mingna Sun, Abeer H. Elmaidomy,
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Biogenic engineered nanomaterials for enhancing bioavailability *via* developing nano-iron-fortified smart foods: advances, insight, and prospects of nanobionics in fortification of food

Shweta Rathee, Ankur Ojha,* Ashutosh Upadhyay,
Jianbo Xiao, Vivek K. Bajpai, Sajad Ali* and
Shruti Shukla*



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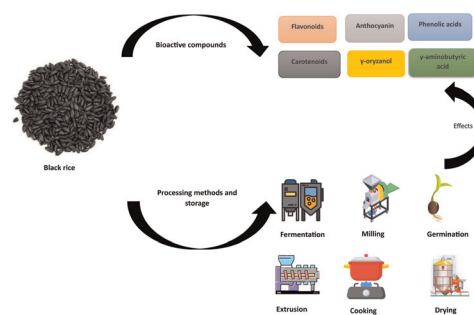


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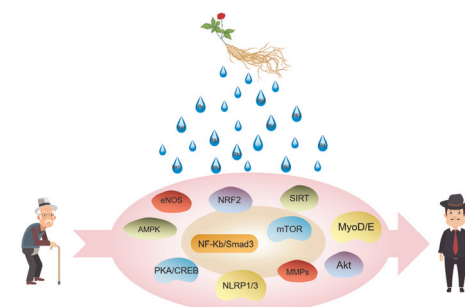
Mohammed Obadi and Bin Xu*



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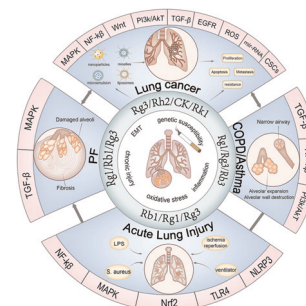
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Ginsenosides: a potential natural medicine to protect the lungs from lung cancer and inflammatory lung disease

Lina Wang, Yanxin Zhang, Zhimin Song, Qingchao Liu,* Daidi Fan* and Xiaoping Song*

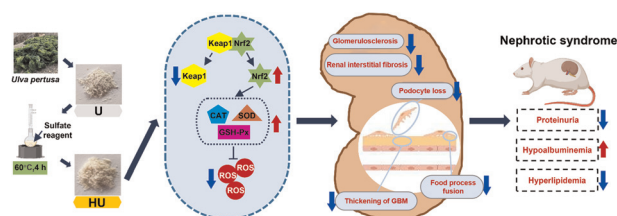


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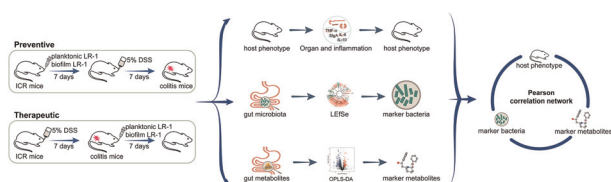
High-sulfated derivative of polysaccharide from *Ulva pertusa* improves Adriamycin-induced nephrotic syndrome by suppressing oxidative stress

Yuzhou Wan, Shaopeng Wang, Kexu Chen, Lin Liu, Xiaoqian Wang, Bo Zhang, Lin Hu, Shunmei Liu, Tingting Zhao* and Huimin Qi*



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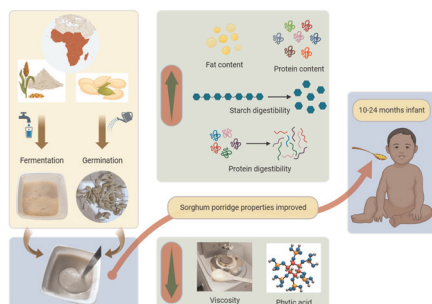
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Lactiplantibacillus biofilm and planktonic cells ameliorate ulcerative colitis in mice via immunoregulatory activity, gut metabolism and microbiota modulation

Lei Liu, Xing Chen, Chengyi Zhang, Jia Deng, Hang Xiao* and Yu Rao*

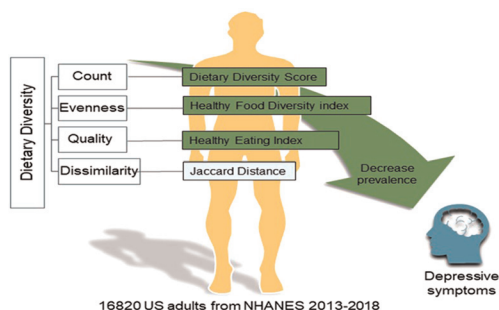
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Designing sustainable weaning foods for developing countries: not only a matter of nutrients

Luigi Moriconi, Elena Vittadini, Anita R. Linnemann, Vincenzo Fogliano and Ruth T. Ngadze*

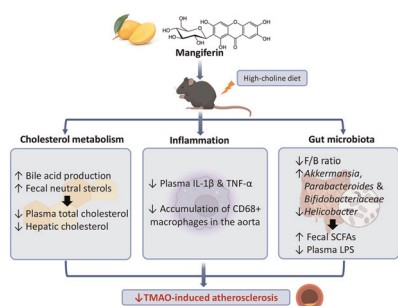
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Association between all aspects of dietary diversity and risk of depressive symptoms in US adults

Zhaoying Li, Po-Wei Li and Dongfeng Zhang*

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Mangiferin alleviates trimethylamine-*N*-oxide (TMAO)-induced atherosclerosis and modulates gut microbiota in mice

Zouyan He,* Hanyue Zhu, Jianhui Liu, Erika Kwek, Ka Ying Ma and Zhen-Yu Chen*

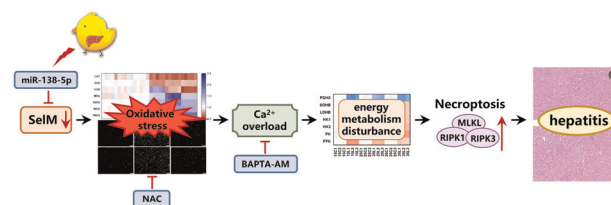


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Selenium deficiency caused hepatitis in chickens via the miR-138-5p/SelM/ROS/Ca²⁺ overload pathway induced by hepatocyte necroptosis

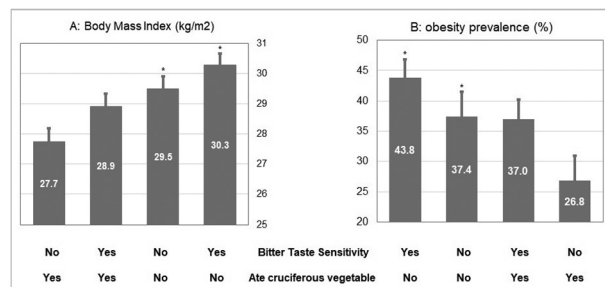
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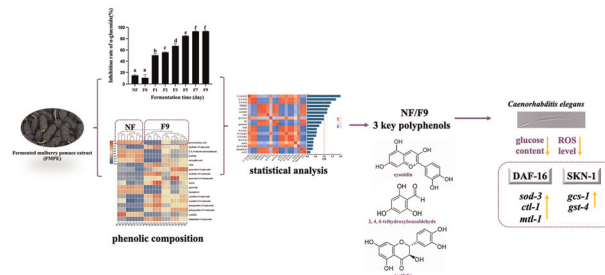
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Hypoglycemic effect of *Lactobacillus plantarum*-fermented mulberry pomace extract *in vitro* and in *Caenorhabditis elegans*

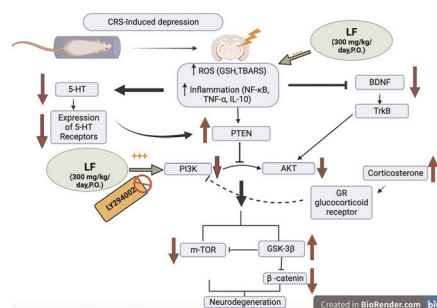
Shuxin Tang, Yuxin Cheng, Tingting Xu, Ting Wu, Siyi Pan and Xiaoyun Xu*



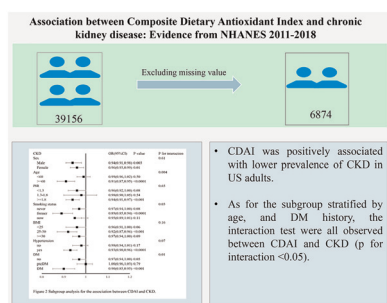
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Unleashing lactoferrin's antidepressant potential through the PI3K/Akt/mTOR pathway in chronic restraint stress rats

Hanan H. Ahmed, Reham M. Essam, Muhammed F. El-Yamany, Kawkab A. Ahmed and Ayman E. El-Sahar



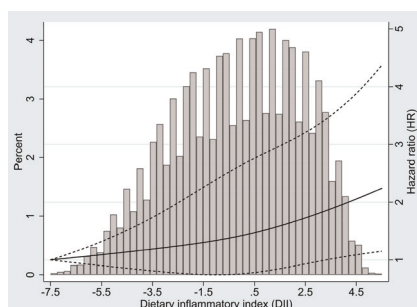
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Association between the composite dietary antioxidant index and chronic kidney disease: evidence from NHANES 2011–2018

Min Wang, Zhao-hui Huang, Yong-hong Zhu, Ping He and Qiu-Ling Fan*

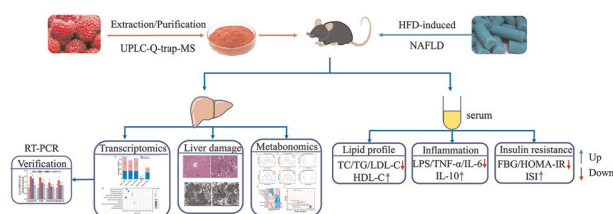
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Dietary inflammatory index and renal cancer risk: a prospective study

Jian Wu, Chenchen Yu, Nitin Shivappa, James R. Hébert and Xin Xu*

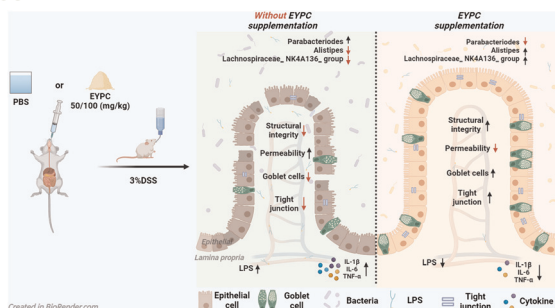
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Exploring the potential mechanism of *Rubus corchorifolius* L. fruit polyphenol-rich extract in mitigating non-alcoholic fatty liver disease by integration of metabolomics and transcriptomics profiling

Yin Qin, Ruyan Fan, Yingxin Liu, Shuyi Qiu* and Lu Wang*

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Egg yolk phosphatidylcholine alleviates DSS-induced colitis in BALB/c mice

Yunpeng Wen, Lixin Tan, Shuping Chen, Na Wu, Yao Yao, Lilan Xu, Mingsheng Xu, Yan Zhao* and Yonggang Tu*

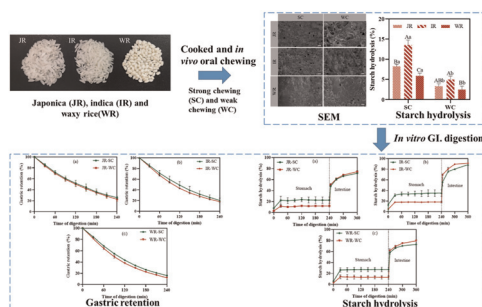


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Effect of chewing ability on *in vivo* oral digestive characteristics and *in vitro* gastrointestinal starch hydrolysis of three different types of cooked rice

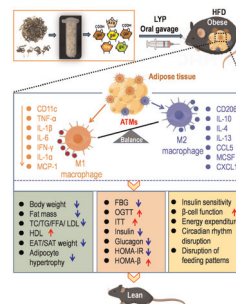
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Large yellow tea polysaccharides ameliorate obesity-associated metabolic syndrome by promoting M2 polarization of adipose tissue macrophages

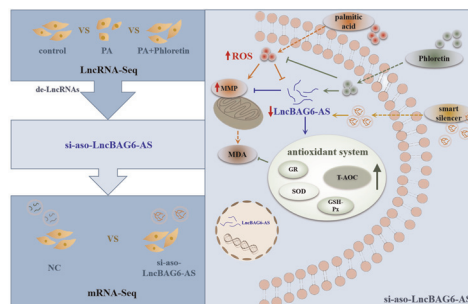
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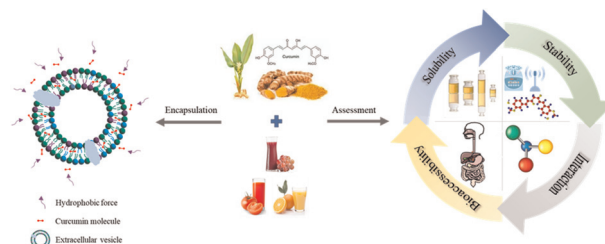
Jie Li, Qing Yang, Hongfei Liu, Min Wang, Chuanying Pan, Lin Han* and Xianying Lan*



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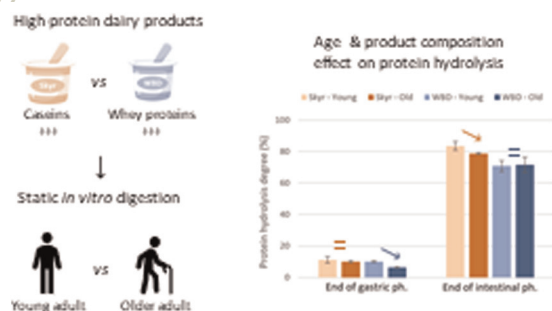
Construction of curcumin-fortified juices using their self-derived extracellular vesicles as natural delivery systems: grape, tomato, and orange juices

Hang Liu, Jiawen Song, Lei Zhou, Shengfeng Peng,* David Julian McClements and Wei Liu*



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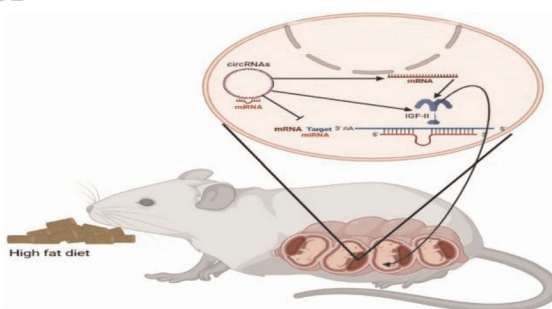
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In vitro digestion of two protein-rich dairy products in the ageing gastrointestinal tract

Anaïs Lavoisier,* Martine Morzel, Séverine Chevalier, Gwénaële Henry, Julien Jardin, Marielle Harel-Oger, Gilles Garric and Didier Dupont

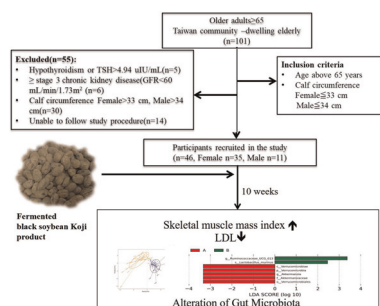
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Effects of maternal high-fat diet on fetal growth, placental nutrient transporters and circular RNA expression profiles

Tianle He, Qingyun Chen, Zhidong Yuan, Yulian Yang, Kai Cao, Ju Luo, Guozhong Dong,* Xie Peng* and Zhenguo Yang*

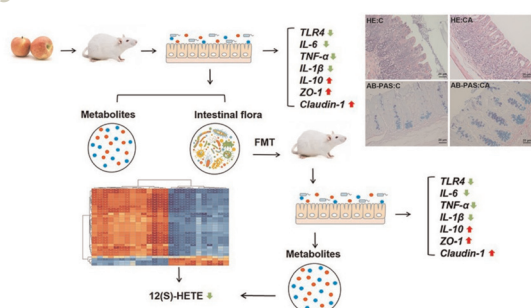
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Plant-based polyphenol rich protein supplementation attenuated skeletal muscle loss and lowered the LDL level *via* gut microbiota remodeling in Taiwan's community-dwelling elderly

Shy-Shin Chang, Li-Han Chen, Kuo-Chin Huang, Shu-Wei Huang, Chun-Chao Chang, Kai-Wei Liao, En-Chi Hu, Yu-Pin Chen, Yi-Wen Chen, Po-Chi Hsu and Hui-Yu Huang*

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Apple consumption affects cecal health by regulating 12S-hydroxy-5Z,8Z,10E,14Z-eicosatetraenoic acid (12(S)-HETE) levels through modifying the microbiota in rats

Chen Wang, Xiao-Long Liu, Quan Sun, Feng-Yun Zhao, Pei-Qiang Dai, Ling-Xing Li* and Da-Gang Hu*

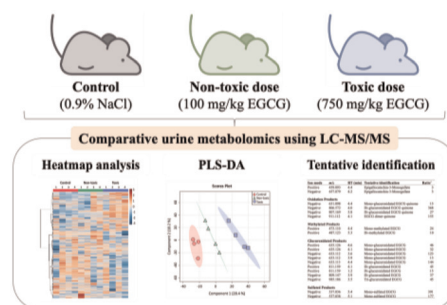


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Comparative urine metabolomics of mice treated with non-toxic and toxic oral doses of (–)-epigallocatechin-3-gallate

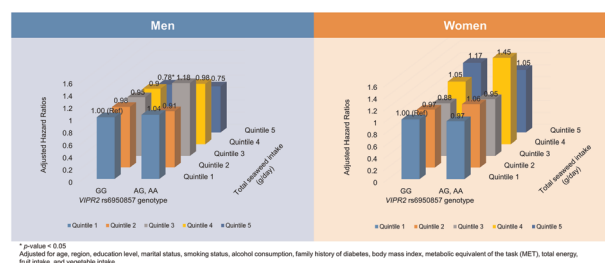
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Seaweed intake modulates the association between *VIPR2* variants and the incidence of metabolic syndrome in middle-aged Koreans

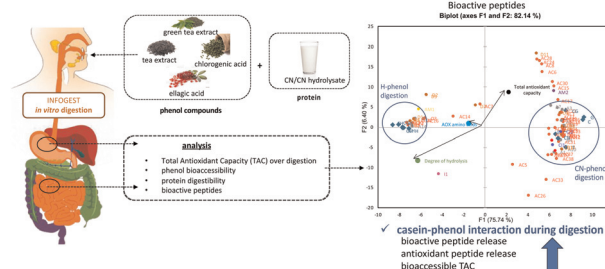
Haeun Park, Hyunyu Jeon, Kyung Ju Lee, Choong-Gon Kim and Dayeon Shin*



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Casein–phenol interactions occur during digestion and affect bioactive peptide and phenol bioaccessibility

Aytul Hamzalioglu,* Silvia Tagliamonte, Vural Gökmen and Paola Vitaglione*



CORRECTION

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Correction: Probiotic and prebiotic supplementation ameliorates chronic restraint stress-induced male reproductive dysfunction

Mohd Akram,* Syed Azmal Ali* and Gautam Kaul*

