

# Food & Function

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### Cover

See Jinming Peng,  
Jie Peng et al.,  
pp. 9344–9358.

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*Food Funct.*, 2025, **16**, 9344.



### Inside cover

See Jin Seok Moon et al.,  
pp. 9359–9376.

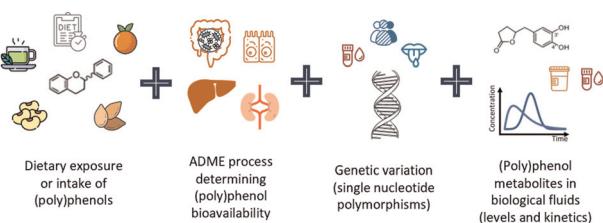
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from *Food Funct.*, 2025, **16**,  
9359.

## REVIEWS

9259

### The impact of single nucleotide polymorphisms on the absorption, distribution, metabolism, and excretion of dietary (poly)phenols: a critical systematic review

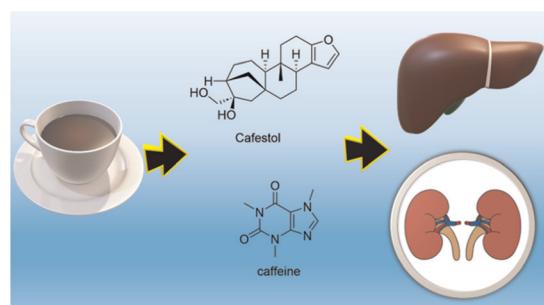
Nicole Tosi, Nicola Luigi Bragazzi,\* Cristiana Mignogna, Mirko Treccani, Letizia Bresciani, David Vauzour, Giovanni Malerba, Valeria Barili, Davide Martorana, Daniele Del Rio and Pedro Mena



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### Coffee phytochemicals and their protective roles in hepatic and renal disorders: a review

Mostafa A. Asmaey\* and Masaki Kita



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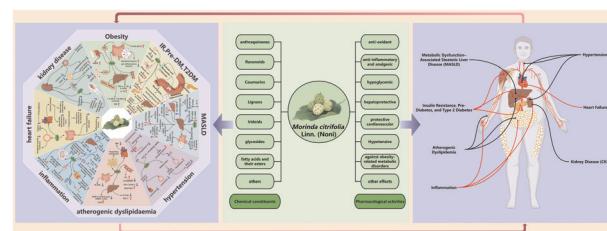


## REVIEWS

9300

***Morinda citrifolia* L. (noni) and its potential in the management of systemic metabolic disorder (SMD)**

Chen-Hui Li, Yan-Xia Huang, Yan Duan, Guo-Ping Liu, Zhi-Wei Ai, Zhi-Fei Ai, Juan Li\* and Shun-Xiang Li\*

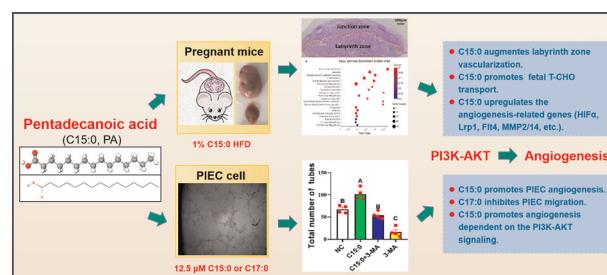


## PAPERS

9344

**Pentadecanoic acid (C15:0) promotes placental angiogenesis by activating the placental PI3K-AKT signaling**

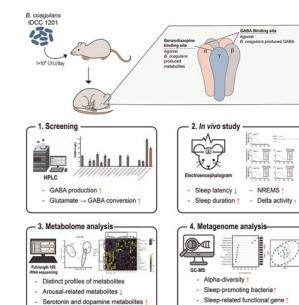
Chunyang Wang, Yimei Tang, Yanlin Zhang, Ziying Li, Jun Wang, Jinning Peng\* and Jie Peng\*



9359

**Sleep-promoting effects and mechanisms of *Bacillus coagulans* IDCC 1201: evidence from pentobarbital-induced sleep and electroencephalography analysis in mice**

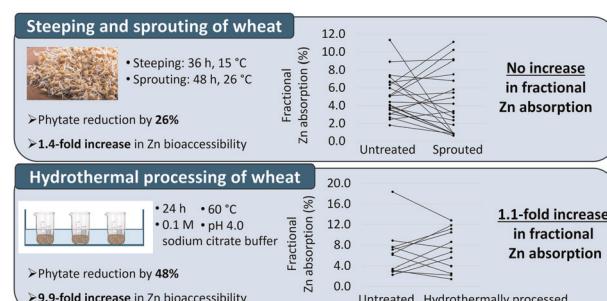
Hayoung Kim, Won Yeong Bang, Duhyeon Kim, Suengmok Cho, Dong Young Lee, Hyun Min Park, Han Bin Lee, Eun Ju Yun and Jin Seok Moon\*



9377

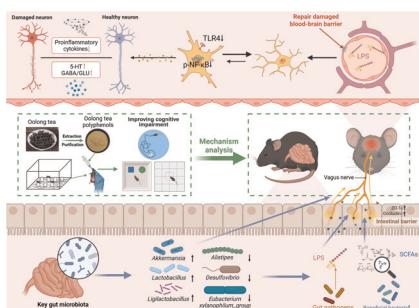
**Zinc absorption from breakfast flakes produced from sprouted or hydrothermally processed wheat: a randomized cross-over human intervention study**

Marie Huyskens,\* Elien Lemmens, Lana Abou-Zeid, Kasper Hobin, Lukas M. Balsiger, Frank Vanhaecke, Kristin Verbeke, Erik Smolders and Jan A. Delcour

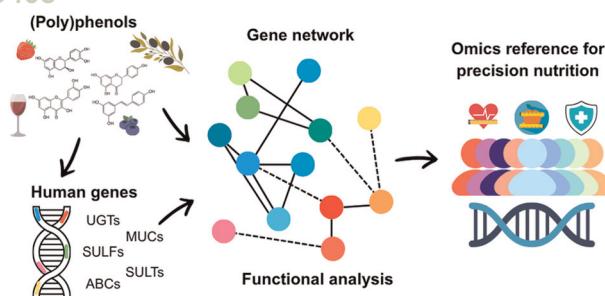


## PAPERS

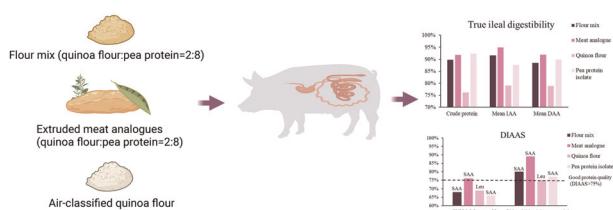
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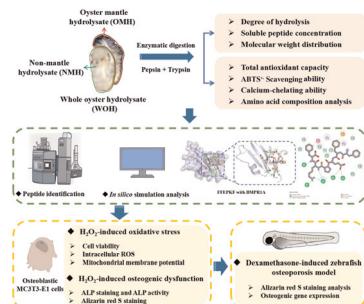
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9422



9433



# Oolong tea polyphenols alleviate cognitive impairment in sleep-deprived mice through the microbiota-gut-brain axis

Nanzhi Hu, Haochen Dai, Maoqing Tong, Shifang Sun,  
Min Zhao\* and Xin Zhang\*

# A computational reference for human genomics analysis in (poly)phenol research

Mirko Treccani,\* Lucia Ghiretti, Nicole Tosi, Cristiana Mignogna, Anne-Marie Minihane, Valeria Barili, Daniele Del Rio, Davide Martorana and Pedro Mena

## Effect of high moisture extrusion on true ileal amino acid digestibility and DIAAS of quinoa-pea protein-based meat analogues

Hao Cui, Suzanne M. Hodgkinson,\*  
Natascha Stroebinger, Debashree Roy, Siqi Li, Qing Guo  
and Aiqian Ye\*

# Discovery of a novel dual-functional peptide from oyster protein hydrolysates with antioxidant and osteogenic properties: *in vitro*, *in silico*, and zebrafish model evaluation

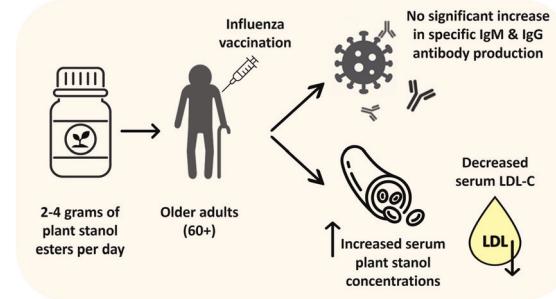
Shihong Zhong, Zhengze Quan, Mengdan Hou,  
Yuxuan Liang, Jinjin Li, Liqing Zhao, Beiwei Zhu\* and  
Yuanyuan Hu\*

## PAPERS

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**The effects of three different daily plant stanol ester intakes on influenza vaccination responses: a double-blind, randomized, placebo-controlled intervention study in older adults**

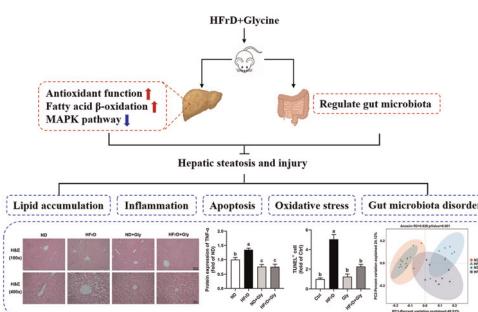
Willem Zwaan, Lieve van Brakel, Ronald P. Mensink and Jochem Plat\*  
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9460

**Glycine attenuates high fructose-induced liver injury in adolescent mice by modulating lipid metabolism and gut microbiota**

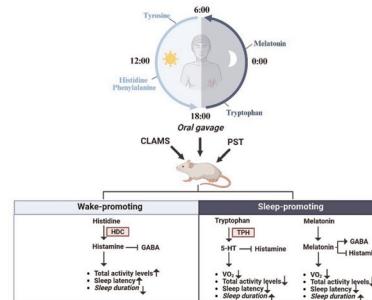
Yao Ge, Siwei Deng, Xinyu Zhang, Haozhen Liu, Yinfeng Chen, Yanan Liu, Siqi Liu, Huiyang Fu, Ying Yang\* and Zhenlong Wu



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**The circadian variation of amino acids and melatonin in human milk and their potential sleep–wake regulation**

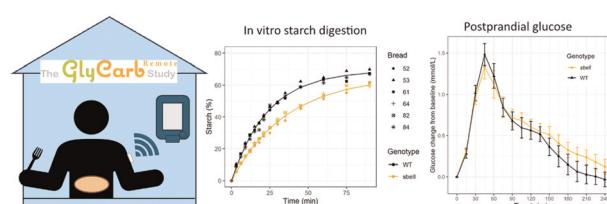
Mengjun Cui, Jie Zhang, Renqiang Yu, Jianqiang Lai, Joe M. Regeenstein and Peng Zhou\*



9489

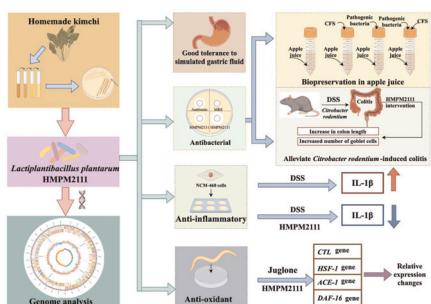
**Effect of wheat bread with elevated amylose on postprandial glycaemic response: a randomised crossover trial delivered remotely using continuous glucose monitoring**

Marina Corrado, George M. Savva, Jennifer H. Ahn-Jarvis, Samson A. Oyeyinka, Cathrina H. Edwards\* and Brittany A. Hazard\*



## PAPERS

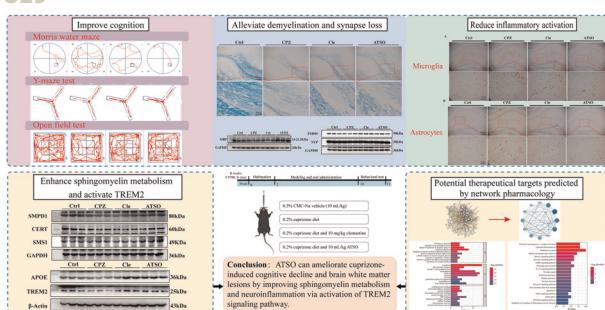
9504



### A novel multifunctional *Lactiplantibacillus plantarum* HMPM2111 strain: antibacterial and anti-inflammatory effects against stresses caused by pathogenic bacteria

Yaqi Liu, Junhui Wang, Leyi Wang, Jialing Cao, Shiqi Lu, Pengfei Li, Yujie Wang, Jingmin Wang, Kangliang Sheng\* and Yongzhong Wang\*

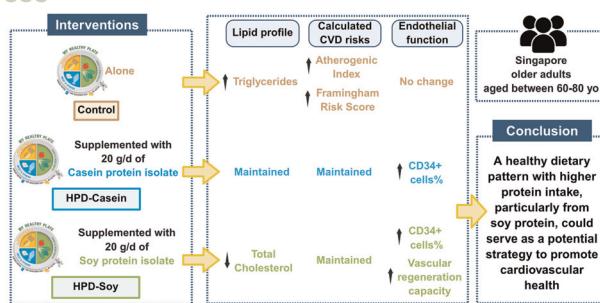
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### *Acer truncatum* Bunge seed oil ameliorates cuprizone-induced cognitive decline and brain white matter impairment by improving sphingomyelin metabolism and neuroinflammation via activation of the TREM2 signaling pathway

Yaojun Ju, Yichen Yan, Xinhui Wang, Shan Li, Jialei Wang, Zixiao Wang, Yuling Dong and Junping Wang\*

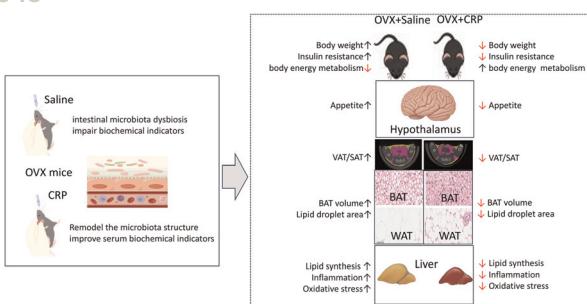
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### Impact of quantity and source of dietary protein intake within a healthy dietary pattern on cardiovascular disease risk factors in Singapore older adults: a randomized controlled trial

Yueying Yao, Ian En-Kai Mak, Clarinda Nataria Sutanto, Zi Ning Leong, Qing He, Utkrisht Pahwa, Lieng Hsi Ling, Chin Meng Khoo, Matthew Andrew Ackers-Johnson, Roger Sik-Yin Foo and Jung Eun Kim\*

9545



### *Citri Reticulatae Pericarpium* improves obesity in OVX mice by regulating the gut microbiota and suppressing appetite

Like Xu, Weiru Liu, Xiaoqin Wu, Tingting Chen, Yong Gao,\* Jiawen Huang\* and Zhuohui Luo\*

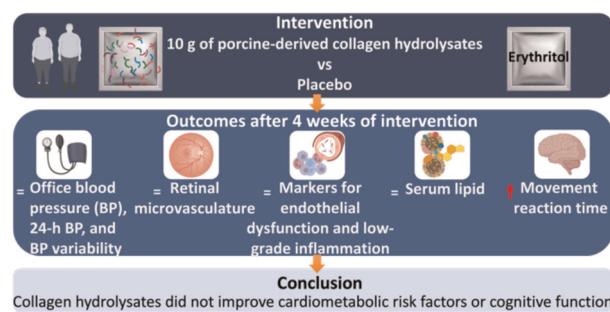


## PAPERS

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**Effects of porcine-derived collagen hydrolysates on 24 h blood pressure profiles, markers for endothelial dysfunction and low-grade inflammation and the retinal vasculature in adults with overweight/obesity: a randomized, controlled trial**

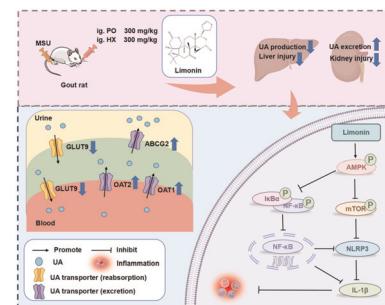
Marco A. Chavez-Alfaro, Ronald P. Mensink, Peter J. Joris and Jogchum Plat\*



9572

**Multi-strategy profiling identifies limonin's dual role in gout: restoring uric acid homeostasis and suppressing inflammatory response**

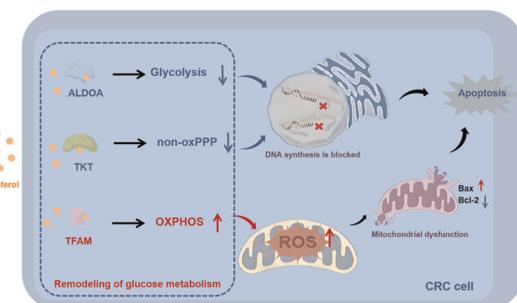
Minjie Zeng, Mei Zhong, Xiaomei Zhong, Yiqian Zhang, Xuetong Chen, Jing Lin, Ying Zhang, Yanfang Zheng,\* Jinjian Lu\* and Mingqing Huang\*



9593

**Kaempferol exerts anti-colorectal cancer effects through its multi-target mediated glucose metabolism remodeling**

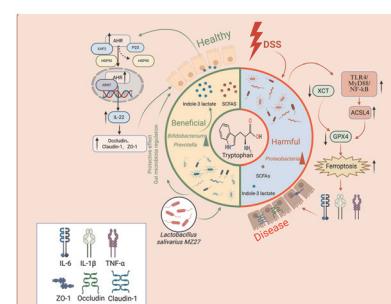
Haili Wu,\* Zhichao Guo, Pengli Hu, Jin'e Du, Panfeng Wang, Jiajing Ma, Bin Zhao, Jinping Wei and Zhuoyu Li



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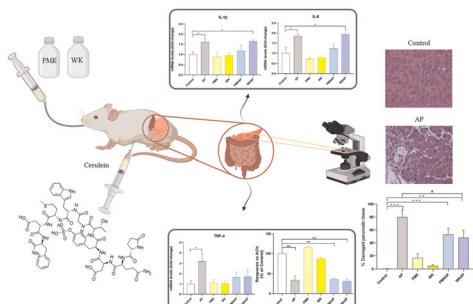
***Lactobacillus salivarius* MZ27 enhances the host's resistance to DSS by modulating the gut microbiota and the AHR/GPX4 signaling pathway**

Yusong Zheng, Xinlin Wang, Runze Liu, Mengqi Zhang, Xingrui Qu, Guodong Sun, Teng Teng\* and Baoming Shi\*



## PAPERS

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**Effects of kefirs made from whole milk or whey on the pancreas-intestine axis in a mouse model of acute pancreatitis**

Diego Aguirre-Ramírez, Elisa Abás, Álex Gómez, Lluís Luján, Estela Pérez, Lourdes Sánchez and Laura Grasa\*

## CORRECTION

9642

**Correction: Probiotic-fermented tomato with hepatic lipid metabolism modulation effects: analysis of physicochemical properties, bioactivities, and potential bioactive compounds**

Benliang Wei, Wendi Zheng, Zhen Peng, Muyan Xiao, Tao Huang, Mingyong Xie and Tao Xiong\*

