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Contents

·Review·

Phytochemistry and pharmacology of *Allii Macrostemis* Bulbus, a traditional Chinese medicine 481-498

*YAO Zhi-Hong**, *QIN Zi-Fei^Δ*, *DAI Yi*, *YAO Xin-Sheng**

In this review, the current information concerning the phytochemistry and pharmacology of *Allii Macrostemis* Bulbus is summarized comprehensively.

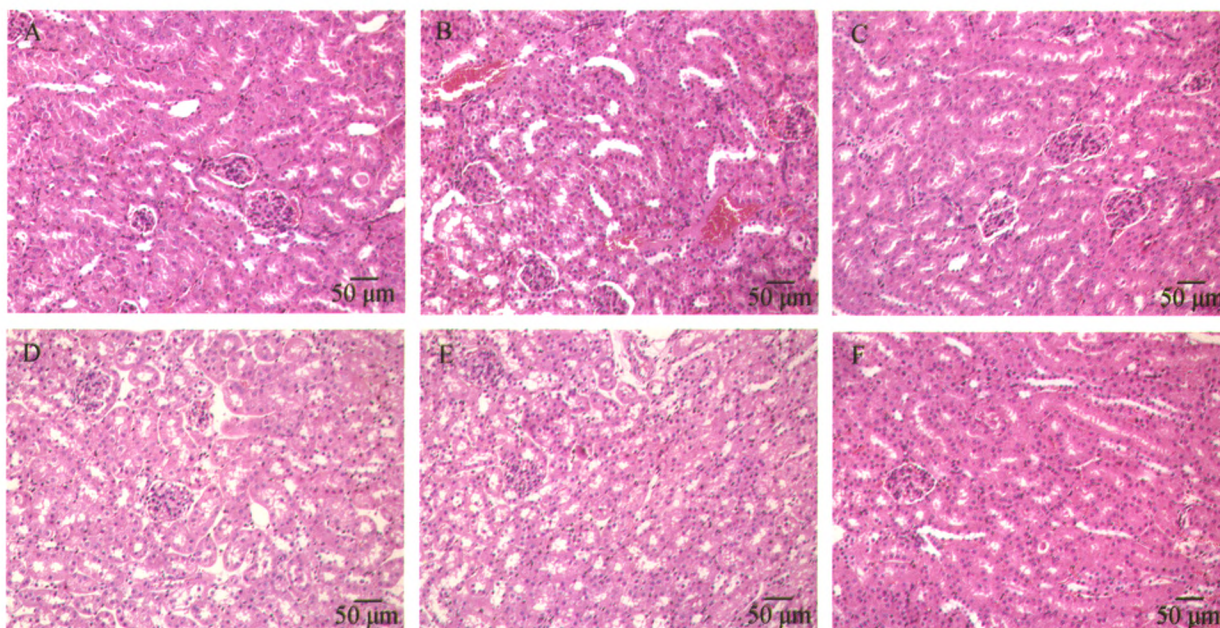


·Research articles·

Siwu decoction attenuates oxonate-induced hyperuricemia and kidney inflammation in mice 499-507

WANG Rong, *MA Chun-Hua*, *ZHOU Fan*, *KONG Ling-Dong**

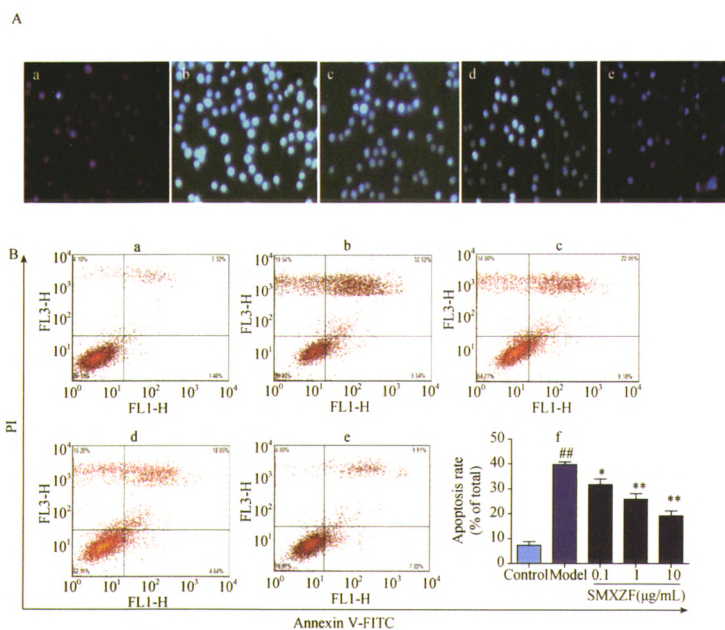
Siwu decoction exhibited anti-hyperuricemic and anti-inflammatory effects by inhibiting hepatic XOD activity, regulating renal organic ion transporter expression, and suppressing renal NLRP3 inflammasome activation.



A combination of four effective components derived from Sheng-mai san attenuates hydrogen peroxide-induced injury in PC12 cells through inhibiting Akt and MAPK signaling pathways 508-517

CAO Guo-Sheng, *LI Shao-Xia*, *WANG Yan*, *XU Ying-Qiong*, *LV Yan-Ni*, *KOU Jun-Ping**, *YU Bo-Yang*

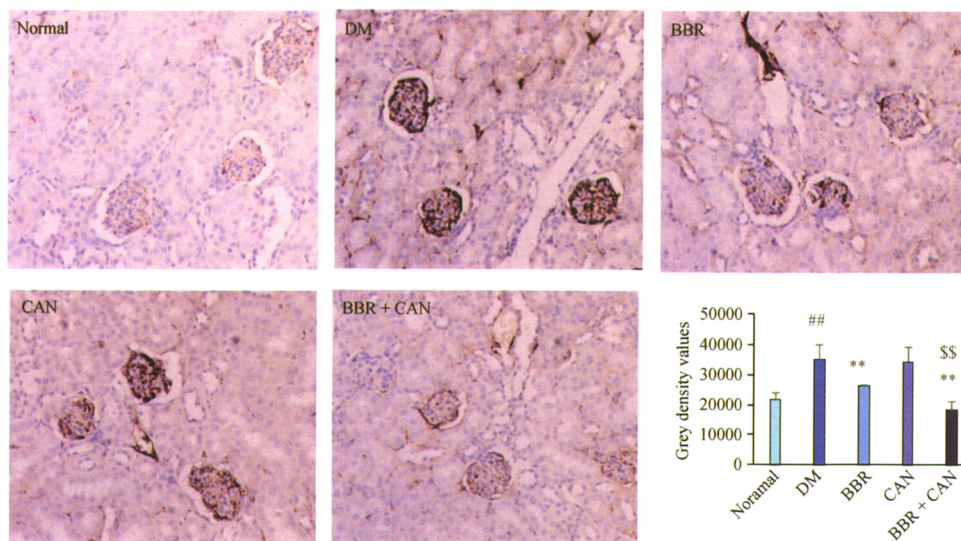
The findings suggested that SMXZF attenuated H₂O₂-induced injury in PC12 cells by inhibiting Akt and MAPKs signaling pathways, which might shed insights on its neuroprotective mechanism.



Berberine enhances antidiabetic effects and attenuates untoward effects of canagliflozin in streptozotocin-induced diabetic mice 518-526

TIAN Cai-Ming, JIANG Xin, OUYANG Xiao-Xi, ZHANG Ya-Ou, XIE Wei-Dong*

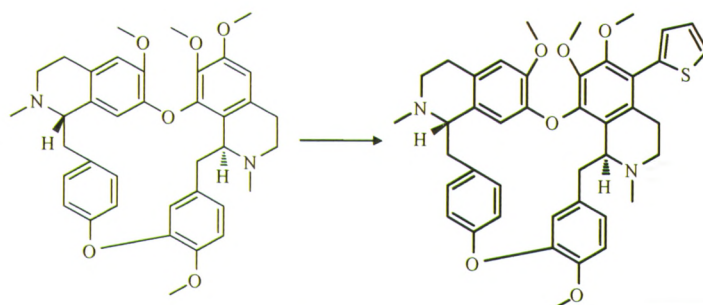
The present study represented the first report that canagliflozin combined with berberine was a promising treatment for diabetes mellitus.



Anti-proliferative and apoptotic effects of S1, a tetrandrine derivative, in human gastric cancer BGC-823 cells 527-533

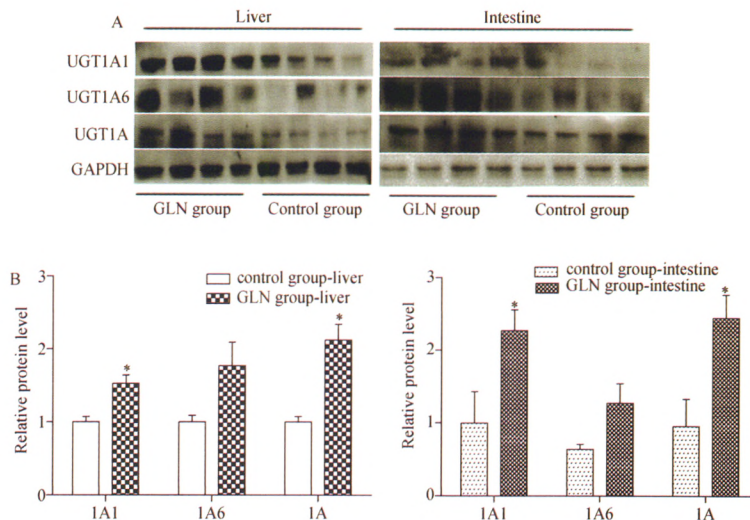
LEI Rong-Rong, HU Hai-Feng, BAI Fan, LIU Ying, WU Chun-Zhen*, HUANG Xiao-Xing, XIE Li-Ping, HU You-Jia

The findings suggested that S1 merits further investigation as a novel therapeutic agent for the treatment of human gastric cancer.



LI Fei-Yan, XIE Hao, WENG Lin, WANG Hong, CAO Li-Juan, HAO Hai-Ping*, WANG Guang-Ji*

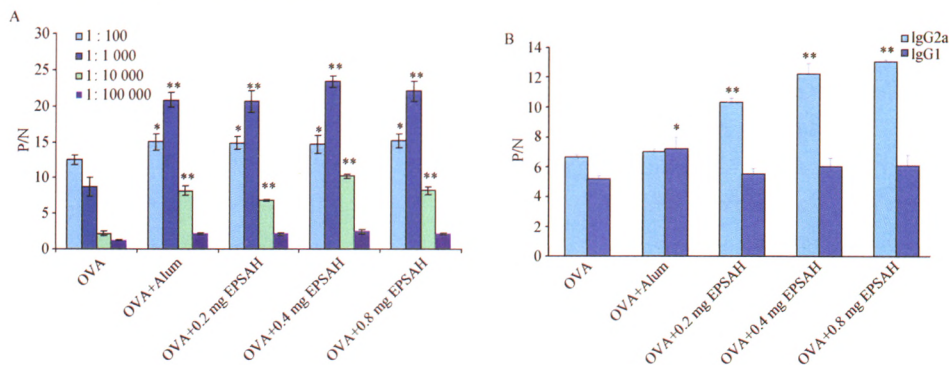
The study revealed that GLN had multiple effects on the expression and activities of UGT1A isoforms, providing a basis for a better understanding of interactions between GLN and other drugs.



EPSAH, an exopolysaccharide from *Aphanotheca halophytica* GR02, improves both cellular and humoral immunity as a novel polysaccharide adjuvant 541-548

ZHU Lei, ZHANG Fan^Δ, YANG Li-Jun, GE Yang, WEI Qing-Fang, OU Yu*

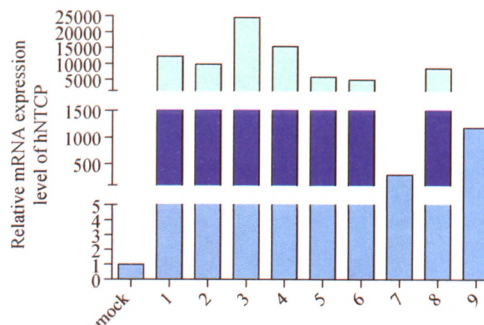
The results indicated that EPSAH had a strong potential to increase both cellular and humoral immune responses, particularly promoting the development of Th1 polarization.



Screening and verifying potential NTCP inhibitors from herbal medicinal ingredients using the LLC-PK1 cell model stably expressing human NTCP 549-560

SHEN Zhuo-Wei, LUO Meng-Yue^Δ, HU Hai-Hong, ZHOU Hui, JIANG Hui-Di, YU Lu-Shan, ZENG Su*

The findings might contribute to a better understanding of the disposition of the herbal ingredients *in vivo*, especially in biliary excretion.



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Aims and Scopes

The Chinese Journal of Natural Medicines (CJNM) is devoted to communications among pharmaceutical and medicinal plant scientists who are interested in the advancement of the botanical, chemical, and biological sciences in support of the use of natural medicines in health care, in particular, traditional Chinese medicines (TCM). CJNM aims to cover a broad spectrum of original research papers and review articles on natural medicines or their products from all over the world, including those from TCM.

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