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# Chinese Journal of Natural Medicines

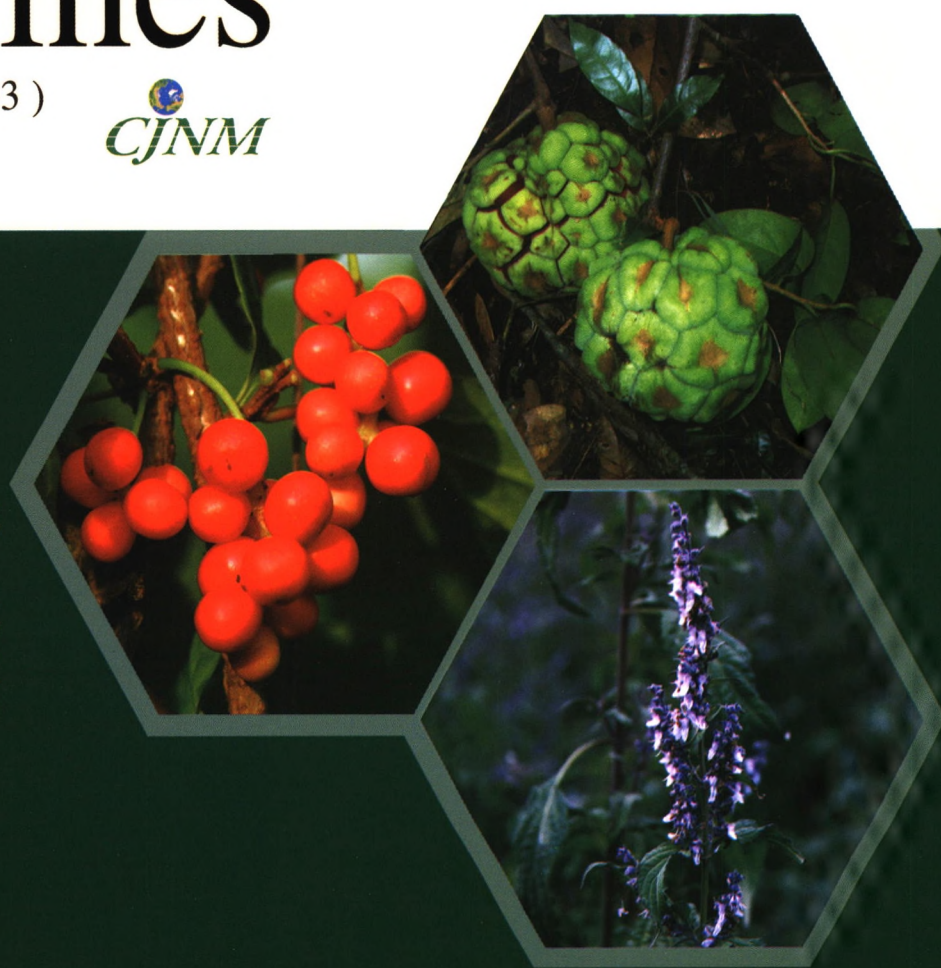
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Herbgenomics facilitates biological study of TCM

Dr. LI Xi-Wen, an associate professor of Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences.

Professor CHEN Shi-Lin, the Director of the Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences, the Director of the World Health Organization Collaborating Center for Traditional Medicine, Academician of International Academy of Sciences for Europe and Asia.



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·Editorial·

Herbgenomics facilitates biological study of TCM

561-562

LI Xi-Wen\*, CHEN Shi-Lin\*

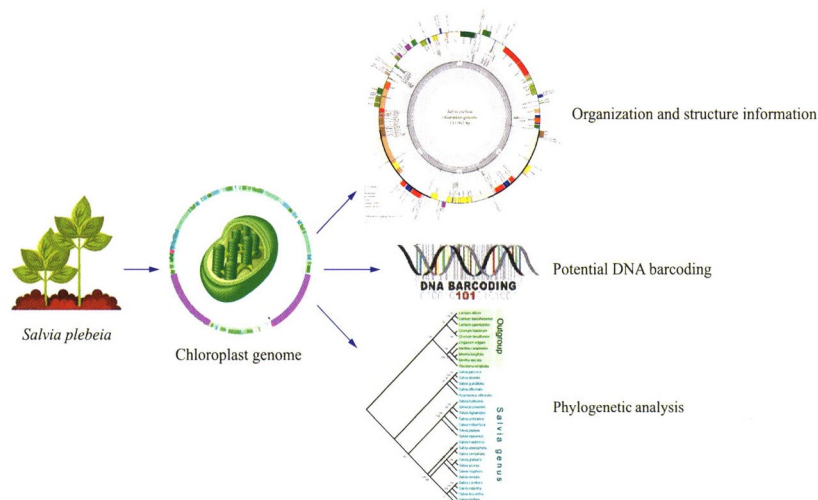
Genomics triggered a revolution in system biology research and enabled people to have a deeper and comprehensive understanding of living organisms. With the development of high throughput sequencing technologies and bioinformatics, herbgenomics was put forward as a discipline to facilitate biological research of TCM. It aims to uncover the genetic information, find gene functions, discover regulatory networks of herbs and to elucidate their molecular mechanisms in the treatment of diseases.

·Special topics·

Complete chloroplast genome of *Salvia plebeia*: organization, specific barcode and phylogenetic analysis

563-572

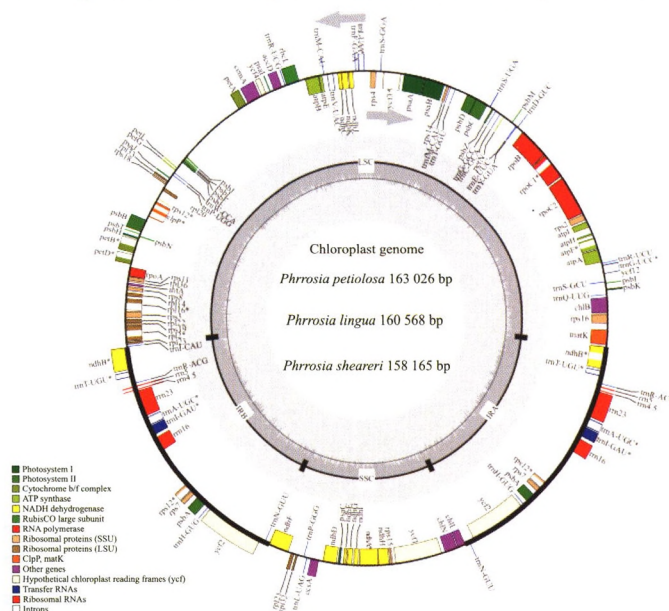
CUI Ning, LIAO Bao-Sheng, LIANG Cong-Lian, LI Shi-Feng, ZHANG Hao, XU Jiang, LI Xi-Wen\*, Chen Shi-Lin\*



Molecular structure and phylogenetic analyses of the complete chloroplast genomes of three original species of *Phorrosiae Folium*

573-581

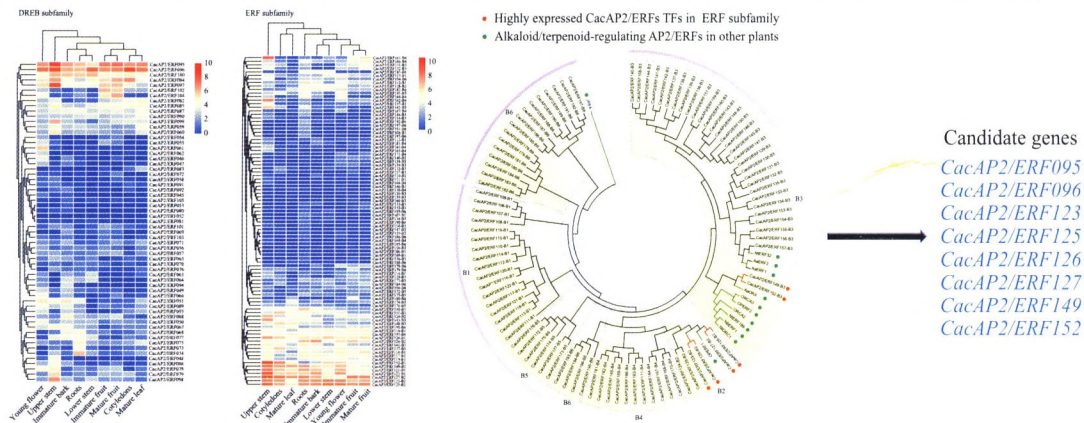
YANG Chu-Hong, LIU Xia, CUI Ying-Xian, NIE Li-Ping, LIN Yu-Lin, WEI Xue-Ping, WANG Yu\*, YAO Hui\*



**Genome-wide identification and analysis of AP2/ERF transcription factors related to camptothecin biosynthesis in *Camptotheca acuminata***

582-593

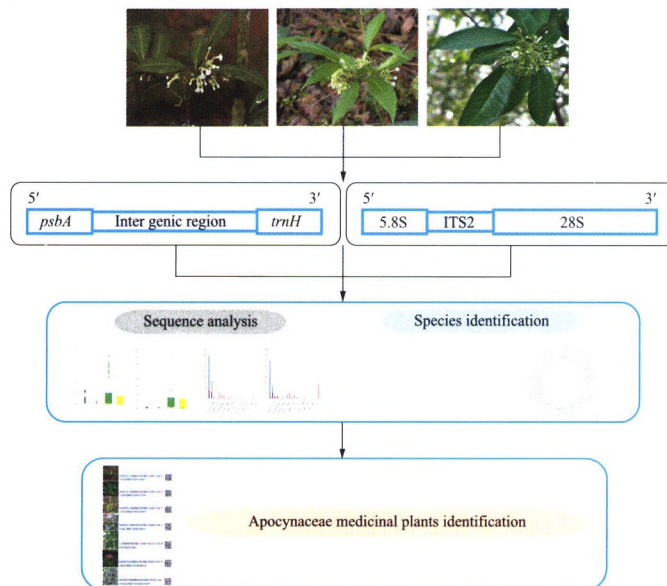
HU Ya-Ting, XU Zhi-Chao, TIAN Ya, GAO Ran-Ran, JI Ai-Jia, PU Xiang-Dong, WANG Yu, LIU Xia\*, SONG Jing-Yuan\*



**Identification of medicinal plants within the Apocynaceae family using ITS2 and *psbA-trnH* barcodes**

594-605

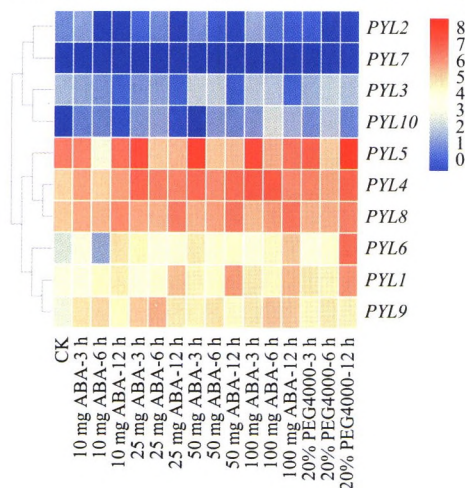
LV Ya-Na<sup>Δ</sup>, YANG Chun-Yong<sup>Δ</sup>, SHI Lin-Chun, ZHANG Zhong-Lian, XU An-Shun, ZHANG Li-Xia, LI Xue-Lan, LI Hai-Tao\*



**Genome-wide identification of abscisic acid (ABA) receptor pyrabactin resistance 1-like protein (PYL) family members and expression analysis of *PYL* genes in response to different concentrations of ABA stress in *Glycyrrhiza uralensis***

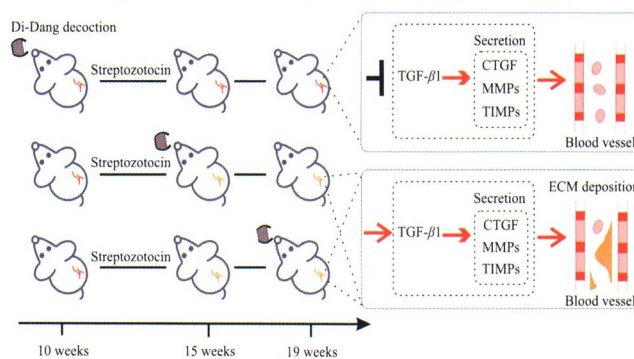
606-611

CUI Ying-Xian<sup>Δ</sup>, XU Zhi-Chao<sup>Δ</sup>, CHEN Xin-Lian, NIE Li-Ping, WU Li-Wei, WANG Yu, SONG Jing-Yuan, YAO Hui\*



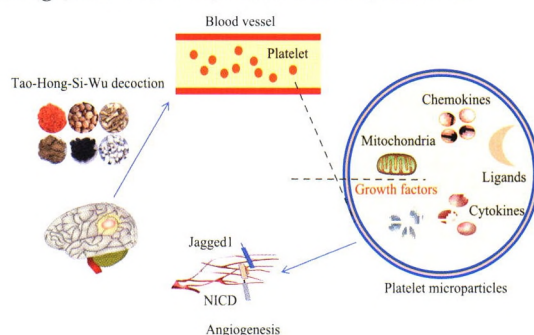
**Early intervention with Di-Dang Decoction prevents macrovascular fibrosis in diabetic rats by regulating the TGF- $\beta$ 1/Smad signalling pathway** 612-619

ZHOU Sheng-Nan<sup>Δ</sup>, ZHANG Jian<sup>Δ</sup>, REN Qiu-Yue<sup>Δ</sup>, YAO Rong-Fei, LIU Peng, CHANG Bai\*



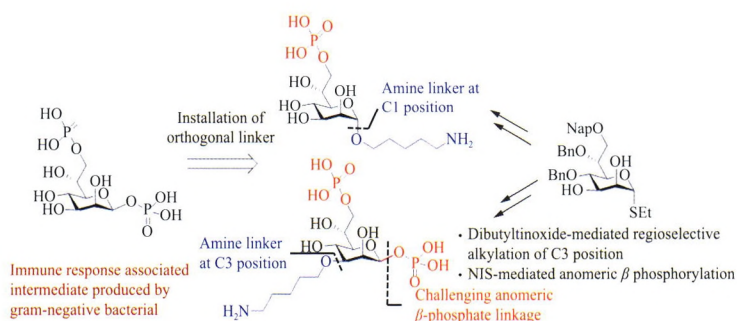
**Tao-Hong-Si-Wu Decoction promotes angiogenesis after cerebral ischaemia in rats via platelet microparticles** 620-627

CHEN Fang-Fang<sup>Δ</sup>, WANG Meng-Meng<sup>Δ</sup>, XIA Wen-Wen, PENG Dai-Yin, HAN Lan\*



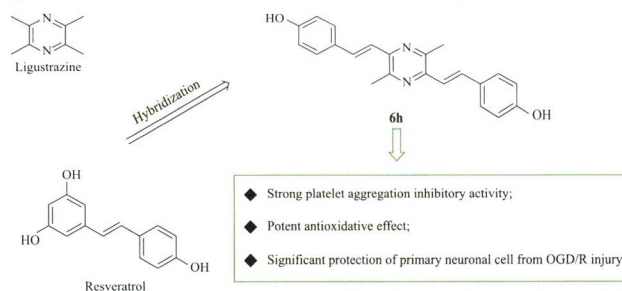
**Total synthesis of D-glycero-D-manno-heptose 1 $\beta$ , 7-bisphosphate with 3-O-acyl amine linker and its monophosphate derivative** 628-632

ZOU Xiao-Peng<sup>Δ</sup>, QIN Chun-Jun<sup>Δ</sup>, HU Jing, FU Jun-Jie, TIAN Guang-Zong, MOSCOVITZ Oren, SEEBERGER Peter H., YIN Jian\*



**Design, synthesis, and biological evaluation of ligustrazine/resveratrol hybrids as potential anti-ischemic stroke agents** 633-640

ZHANG Yin-Qiu<sup>Δ</sup>, WU Jian-Bing<sup>Δ</sup>, YIN Wei, ZHANG Yi-Hua\*, HUANG Zhang-Jian\*



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# Chinese Journal of Natural Medicines

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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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- Chemical Analysis and Quality Control
- Pharmacokinetics and Clinical Efficacy
- DNA-based Botanical Authentication
- Medicinal Plant Resource Investigations

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