



# Chinese Journal of Natural Medicines

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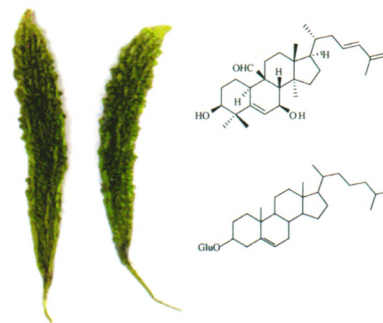
·Reviews·

**Bitter melon: a panacea for inflammation and cancer**

81-100

Prasad R. Dandawate, Dharmalingam Subramaniam, Subhash B. Padhye, Shrikant Anant\*

*Momordica charantia*, commonly known as bitter melon or bitter gourd, is known for its biological activities used in traditional system of medicines. The present review summarizes the anti-oxidant, anti-inflammatory, and anti-cancer activities of *Momordica charantia* along with a short account of important chemical constituents, providing a basis for establishing detail biological activities of the plant and developing novel drug molecules based on the active chemical constituents.

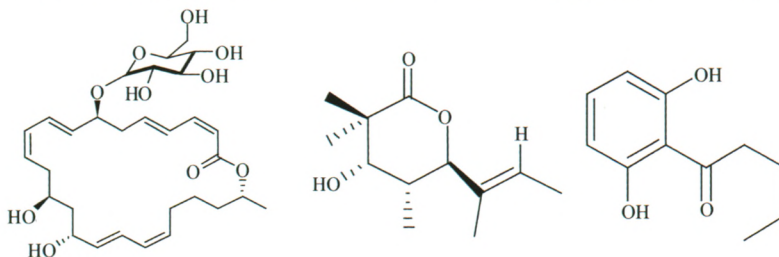


**Antimicrobial metabolites from marine microorganisms**

101-116

Prasanna Habbu\*, Vijayanand Warad, Rajesh Shastri, Smity Madagundi, Venkatrao H. Kulkarni

This review covers chemically diversified antimicrobial secondary metabolites isolated from marine microorganisms associated with marine sediment, algae, sponge, corals and bryozoans. In relation to antimicrobial properties, the marine environment is believed to be able to provide novel leads against pathogenic microbes that are evolving and developing resistance to existing pharmaceuticals.

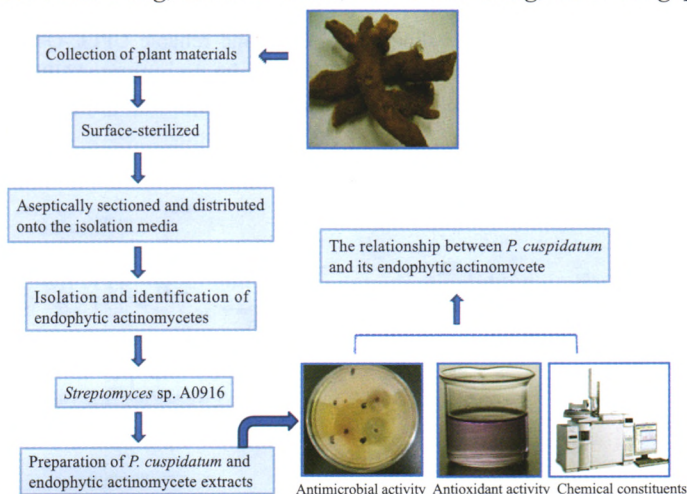


·Research articles·

**Comparative analysis of chemical constituents, antimicrobial and antioxidant activities of ethylacetate extracts of *Polygonum cuspidatum* and its endophytic actinomycete, *Streptomyces* sp. A0916**

117-123

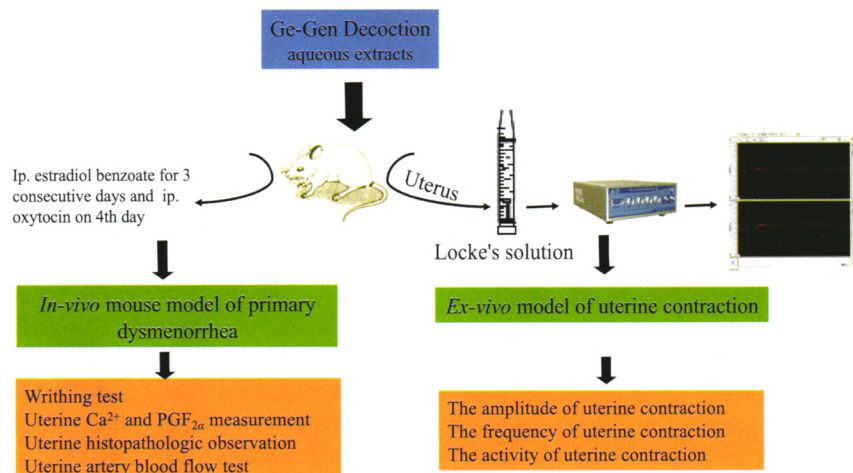
WANG Lei, QIU Peng, LONG Xiu-Feng, ZHANG Shuai, ZENG Zhi-Gang, TIAN Yong-Qiang\*



**Ge-Gen Decoction attenuates oxytocin-induced uterine contraction and writhing response: potential application in primary dysmenorrhea therapy**

124-132

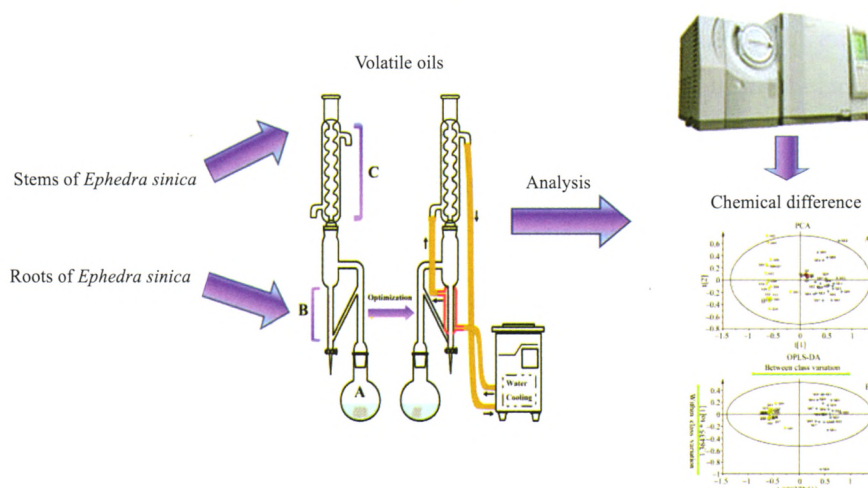
YANG Lu, CHAI Cheng-Zhi, YUE Xin-Yi, YAN Yan, KOU Jun-Ping, CAO Zheng-Yu\*, YU Bo-Yang\*



**Comparative analysis of volatile oils in the stems and roots of *Ephedra sinica* via GC-MS-based plant metabolomics**

133-140

LV Meng-Ying, SUN Jian-Bo, WANG Min, FAN Hong-Yan, ZHANG Zun-Jian\*, XU Feng-Guo\*

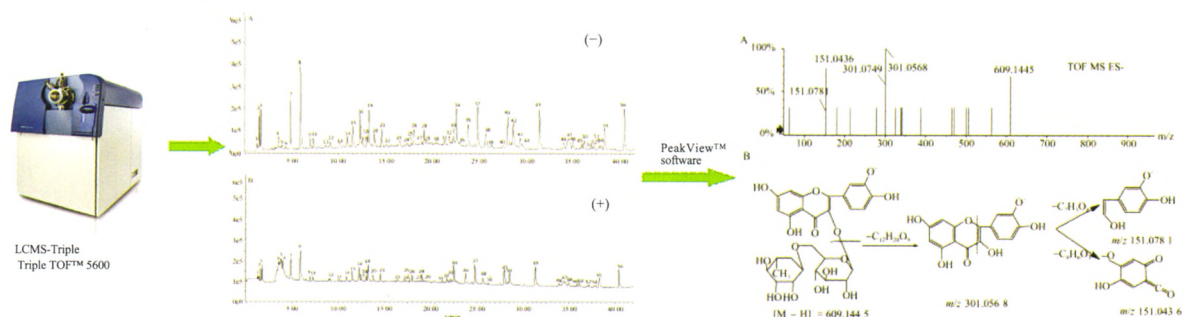


**Chemical profiling of Qixue Shuangbu Tincture by ultra-performance liquid chromatography with electrospray ionization quadrupole-time-of-flight high-definition mass spectrometry (UPLC-QTOF/MS)**

141-146

CHEN Lin-Wei, WANG Qin, QIN Kun-Ming, WANG Xiao-Li, WANG Bin, CHEN Dan-Ni, CAI Bao-Chang\*, CAI Ting\*

The present study was designed to develop and validate a sensitive and reliable UPLC-QTOF/MS method to separate and identify the chemical constituents of Qixue Shuangbu Tincture (QXSBT). Under the optimized UPLC and QTOF/MS conditions, 56 components in QXSBT, including chalcones, triterpenoids, protopanaxatriol, flavones and flavanones were identified and tentatively characterized within a running time of 42 min.

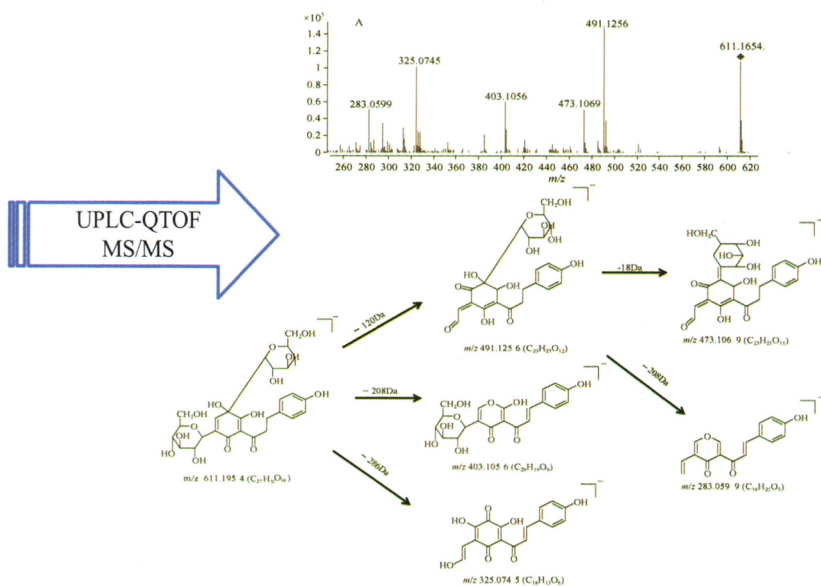


# Rapid separation and identification of multiple constituents in Danhong Injection by ultra-high performance liquid chromatography coupled to electrospray ionization quadrupole time-of-flight tandem mass spectrometry

147-160

ZHANG Qun-Qun, DONG Xin, LIU Xin-Guang, GAO Wen, LI Ping\*, YANG Hua\*

To characterize and identify multiple constituents in Danhong injection (DHI), a fast ultra-high performance liquid chromatography coupled to electrospray ionization quadrupole time-of-flight tandem mass spectrometry (UHPLC-ESI-QTOF/MS) method was established and validated in the present study. A total of 63 compounds, including 33 phenolic acids, 2 C-glycosyl quinochalcones, 6 flavonoid O-glycosides, 4 iridoid glycosides, 6 organic acids, 5 amino acids, and 3 nucleosides, were identified or tentatively characterized.



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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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