



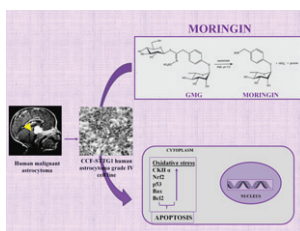
## Fitoterapia Vol. 110, 2016

### Contents

#### Anticancer activity of glucomoringin isothiocyanate in human malignant astrocytoma cells

pp 1–7

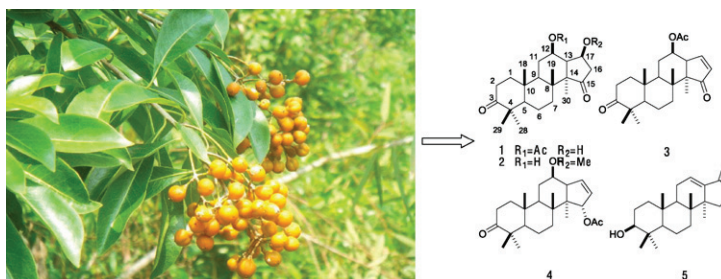
Thangavelu Soundara Rajan, Gina Rosalinda De Nicola, Renato Iori, Patrick Rollin, Placido Bramanti, Emanuela Mazzon \*



#### Cytotoxic nor-dammarane triterpenes from *Viburnum hainanense* Merr. et Chun

pp 8–12

Wei Wang, Juan Song, GuoBing Shi \*, QingGong Yu \*

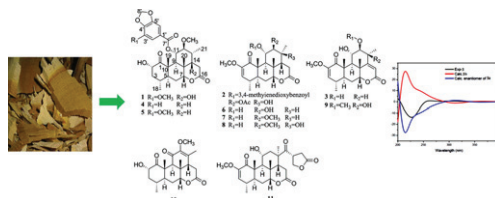


#### Quassinoids from the stems of *Picrasma quassioides* and their cytotoxic and NO production-inhibitory activities

pp 13–19

Jian Xu, Di Xiao, Wei-Wu Song, Lei Chen, Wen-Yuan Liu, Ning Xie, Feng Feng \*, Wei Qu \*

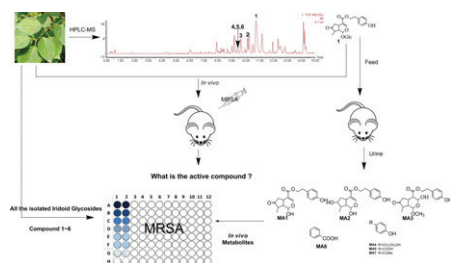
Three new quassinoids and eight known quassinoids, were isolated from the extract of the stems of *Picrasma quassioides*. In vitro activity assays, none of them showed cytotoxic ( $IC_{50} > 50 \mu M$ ) and NO production-inhibitory ( $IC_{50} > 30 \mu M$ ) activities, and the structure–activity relationships of quassinoids were summarized. In addition, the chemotaxonomic significance of the isolated compounds was also discussed.



**The antibacterial activity of syringopicroside, its metabolites and natural analogues from *Syringae Folium***

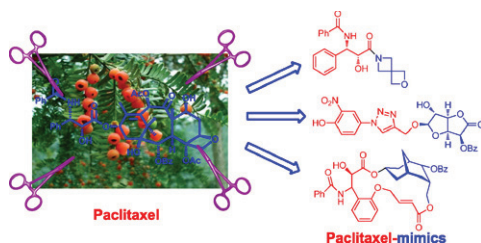
pp 20–25

Zhengyuan Zhou, Na Han, Zhihui Liu, Zehai Song, Peng Wu, Jingxuan Shao, Jia Ming Zhang, Jun Yin \*

**Recent advances in design, synthesis and bioactivity of paclitaxel-mimics**

pp 26–37

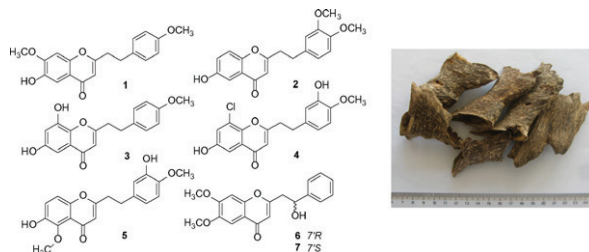
Guan Wen, Xiao-Xia Qu, Dan Wang, Xing-Xiu Chen, Xin-Chuan Tian, Feng Gao \*, Xian-Li Zhou \*

**2-(2-Phenylethyl)chromone derivatives in artificial agarwood from *Aquilaria sinensis***

pp 38–43

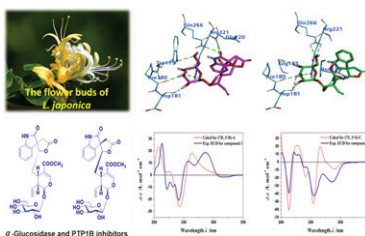
Ge Liao, Wen-Li Mei, Wen-hua Dong, Wei Li, Pei Wang, Fan-Dong Kong, Cui-Juan Gai, Xi-Qiang Song \*, Hao-Fu Dai \*\*

Chemical structures of seven new compounds 1–7, and the sample of agarwood induced by artificial holing.

**Secondary metabolites from the flower buds of *Lonicera japonica* and their *in vitro* anti-diabetic activities**

pp 44–51

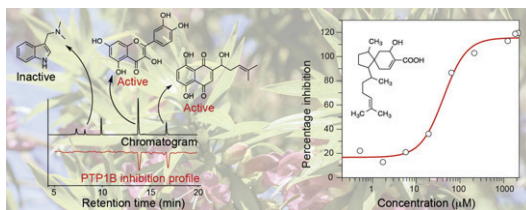
Zhixiang Liu, Zhuoyang Cheng, Qingjun He, Bin Lin, Pinyi Gao, Lingzhi Li, Qingbo Liu, Shaojiang Song \*



**High-resolution PTP1B inhibition profiling combined with high-performance liquid chromatography–high-resolution mass spectrometry–solid-phase extraction–nuclear magnetic resonance spectroscopy: Proof-of-concept and antidiabetic constituents in crude extract of *Eremophila lucida***

pp 52–58

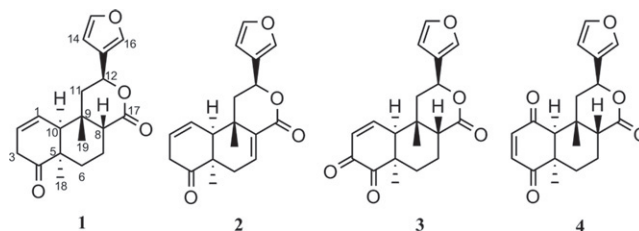
Yousuf Tahtah, Sileshi G. Wubshet, Kenneth T. Kongstad, Allison Maree Heskes, Irini Pateraki, Birger Lindberg Møller, Anna K. Jäger, Dan Staerk\*



**Clerodane-type diterpenoids from tuberous roots of *Tinospora sagittata* (Oliv.) Gagnep**

pp 59–65

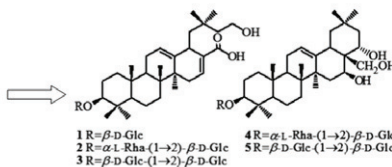
Geng Zhang, Haoran Ma, Song Hu, Hongfeng Xu, Bo Yang, Quanwei Yang, Yongbo Xue, Lu Cheng, Jie Jiang, Jinwen Zhang, Fuqian Wang\*, Yonghui Zhang\*



**Oleanane-type triterpene saponins from *Hydrocotyle nepalensis***

pp 66–71

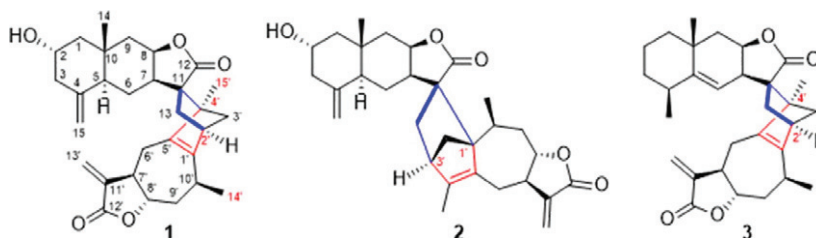
Rui-jing Ma, Zhen-hua Liu, Cheng-ting Zi, Wei Gao, Fa-wu Dong, Liu Yang, Jin-yu Li, Jun Zhou\*, Jiang-miao Hu\*



**Three new sesquiterpene lactone dimers from *Carpesium macrocephalum***

pp 72–76

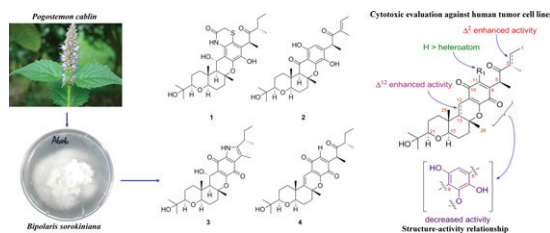
Jian-ping Zhang, Xi-ke Xu, Ji Ye, Yong-xun Yang, Shuang Gao, Hui-liang Li\*, Wei-dong Zhang\*\*



### Cytotoxic cochlioquinone derivatives from the endophytic fungus *Bipolaris sorokiniana* derived from *Pogostemon cablin*

pp 77–82

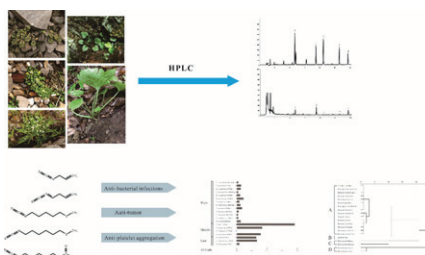
Mo Wang, Zhang-Hua Sun, Yu-Chan Chen, Hong-Xin Liu, Hao-Hua Li, Guo-Hui Tan, Sai-Ni Li, Xiao-Ling Guo, Wei-Min Zhang\*



### Phytochemical profiling of five medicinally active constituents across 14 *Eutrema* species

pp 83–88

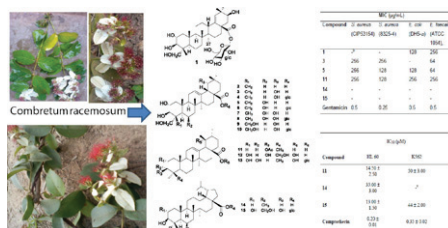
Guoqian Hao, Qian Wang, Bingbing Liu, Jianquan Liu\*



### Antibacterial and cytotoxic triterpenoids from the roots of *Combretum racemosum*

pp 89–95

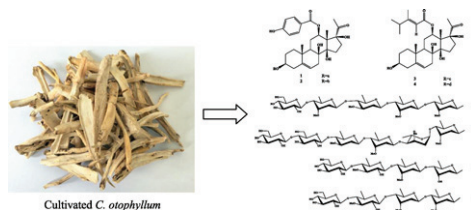
Diane Patricia Apie Gossan, Abdulmagid Abdul Magid\*, Philomène Akoua Yao-Kouassi, Jérôme Josse, Sophie C. Gangloff, Hamid Morjani, Laurence Voutquenne-Nazabadioko



### Pregnane glycosides from the antidepressant active fraction of cultivated *Cynanchum otophyllum*

pp 96–102

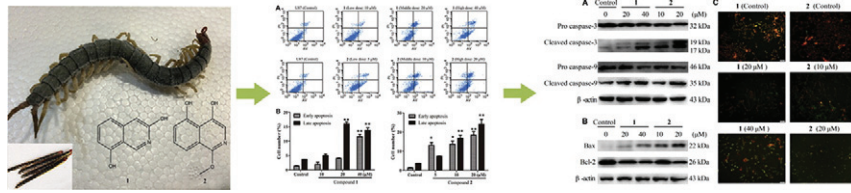
Xin Li, Yang Luo, Gan-Peng Li, Qing-Xiong Yang\*

Based on the bioactive screening results, four new pregnane glycosides, namely cynanotophyllosides A–D (1–4) were isolated from the anti-depressant active fraction of cultivated *Cynanchum otophyllum*, along with thirteen known compounds.

**Two new isoquinoline alkaloids from *Scolopendra subspinipes mutilans* induce cell cycle arrest and apoptosis in human glioma cancer U87 cells**

pp 103–109

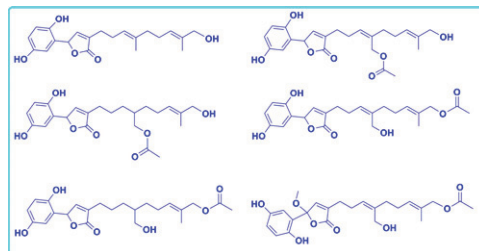
Dan Ding, Ya-Ru Guo, Rui-Ling Wu, Wei-Yan Qi\*, Han-Mei Xu\*\*



**Meroterpenoid enantiomers from *Ganoderma sinensis***

pp 110–115

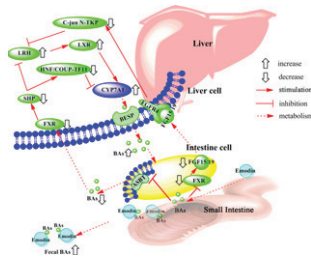
Wen-Wen Cao, Qi Luo, Yong-Xian Cheng\*, Shu-Mei Wang\*



**Hypocholesterolemic effect of emodin by simultaneous determination of *in vitro* and *in vivo* bile salts binding**

pp 116–122

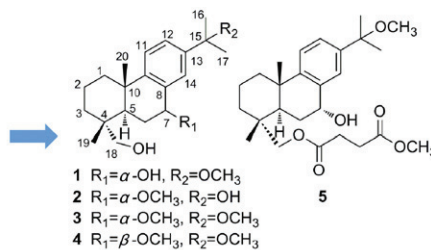
Jiaoying Wang, Jun Ji, Zijiang Song, Wenjun Zhang, Xin He, Fei Li\*, Chunfeng Zhang\*, Changrun Guo, Chongzhi Wang, Chunsu Yuan



**Diterpenoids from the branch and leaf of *Abies fargesii***

pp 123–128

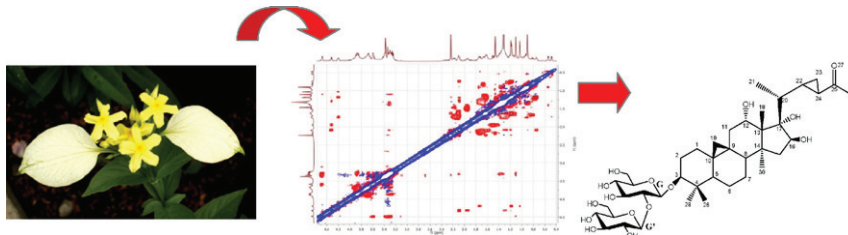
Wen-Ming Wu, Ye Liu, Xu Chen, An Jin, Ming Zhou, Tian Tian, Han-Li Ruan\*



**New cycloartane saponin and monoterpenoid glucoindole alkaloids from *Mussaenda luteola***

pp 129–134

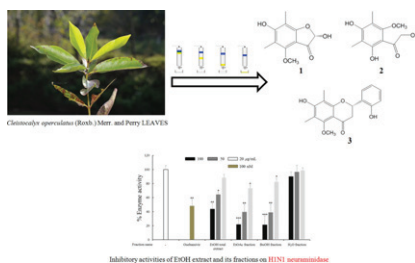
Shaymaa M. Mohamed, Enaam Y. Backheet, Soad A. Bayoumi, Samir A. Ross \*



**Antiviral phenolics from the leaves of *Cleistocalyx operculatus***

pp 135–141

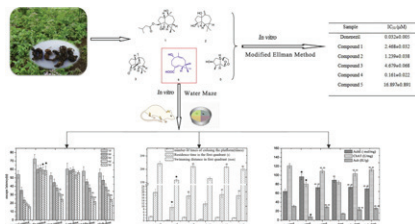
Thi Kim Quy Ha, Trong Tuan Dao, Ngoc Hieu Nguyen, Jiwon Kim, Eunhee Kim, Tae Oh. Cho, Won Keun Oh \*



**Sesquiterpenes and a monoterpenoid with acetylcholinesterase (AChE) inhibitory activity from *Valeriana officinalis* var. *latifolia* in vitro and in vivo**

pp 142–149

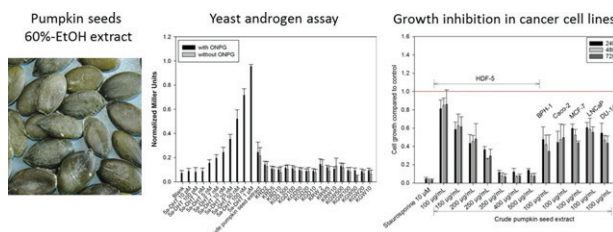
Heng-Wen Chen, Xuan-Hui He, Rong Yuan, Ben-Jun Wei, Zhong Chen, Jun-Xing Dong \*, Jie Wang \*



**Pumpkin seed extract: Cell growth inhibition of hyperplastic and cancer cells, independent of steroid hormone receptors**

pp 150–156

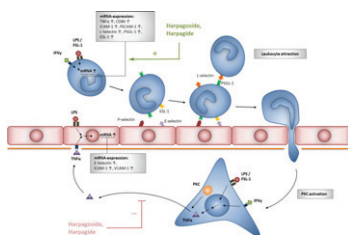
Svjetlana Medjakovic, Stefanie Hobiger, Karin Ardjomand-Woelkart, Franz Bucar \*, Alois Jungbauer



**The influence of harpagoside and harpagide on TNF $\alpha$ -secretion and cell adhesion molecule mRNA-expression in IFN $\gamma$ /LPS-stimulated THP-1 cells**

pp 157–165

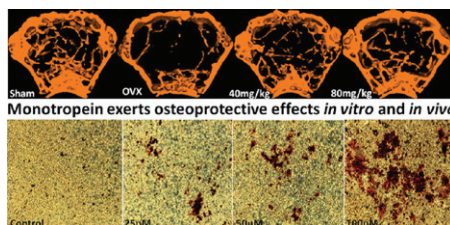
P. Schopohl\*, P. Grüneberg, M.F. Melzig



**Monotropein isolated from the roots of *Morinda officinalis* increases osteoblastic bone formation and prevents bone loss in ovariectomized mice**

pp 166–172

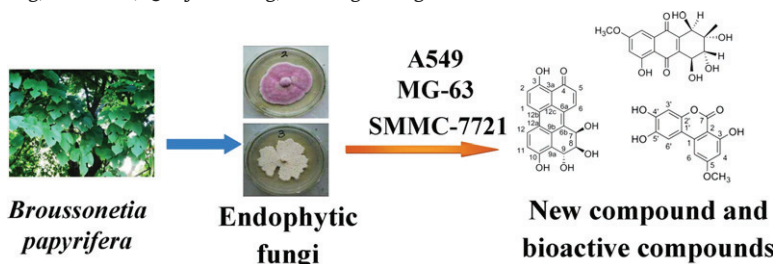
Zhiguo Zhang, Qiaoyan Zhang, Hua Yang, Wei Liu, Naidan Zhang, Luping Qin\*, Hailiang Xin\*



**New cytotoxic compounds of endophytic fungus *Alternaria* sp. isolated from *Broussonetia papyrifera* (L.) Vent**

pp 173–180

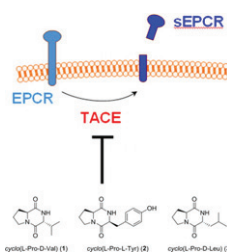
Naidan Zhang, Chunyan Zhang, Xiao Xiao, Qiaoyan Zhang, Baokang Huang\*



**Inhibitory effects of three diketopiperazines from marine-derived bacteria on endothelial protein C receptor shedding in human endothelial cells and mice**

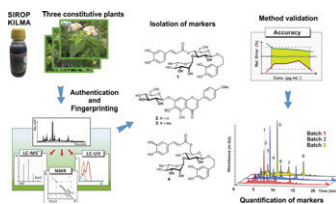
pp 181–188

Wonhwa Lee, Sae-Kwang Ku, Hyukjae Choi, Jong-Sup Bae\*



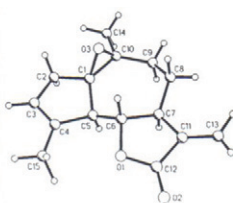
**Rational quality assessment procedure for less-investigated herbal medicines: Case of a Congolese antimalarial drug with an analytical report** pp 189–195

Dieudonné Tshitenge Tshitenge, Karine Ndjoko Ioset, José Nzunzu Lami, Josaphat Ndelo-di-Phanzu, Jean-Pierre Koy Sita Mufusama, Gerhard Bringmann\*

**Chemical modification of arglabin and biological activity of its new derivatives**

pp 196–205

S.M. Adekenov



\*, \*\* Corresponding author

Cited in: Beilstein Database, BIOSIS/Biological Abstracts, CAB Abstracts, Cambridge Scientific Abstracts, Chemical Abstracts Service, CINAHL Elsevier BIOBASE/Current Advances in Biological Sciences, EMBASE/Excerpta Medica, EMBiology PUBMED/MEDLINE/Index Medicus, Natural Products Update/RSC, International Pharmaceutical Abstracts, Science Citation Index Expanded. Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®