

TABLE OF CONTENTS

目 录

Study on Antioxidant Activity *in Vitro* of Extract from *Phellodendron amurense* Leaves
(黄檗叶提取物的体外抗氧化活性研究)

C. J. WANG, Y. H. ZHANG.....233

Microwave-Assisted Hydro-Distillation Extraction Volatile Oil from *Schisandra chinensis* Fruits and the Antioxidant Activity Analysis by NIRS
(基于近红外光谱抗氧化活性分析微波辅助蒸馏五味子挥发油)

L. H. SUN, Y. B. WANG, J. D. WU, C. H. MA.....241

Antioxidant Activity and Chemical Composition Analysis of Essential Oil from *Cinnamomum longepaniculatum* by NIRS and GC-MS
(基于近红外光谱和 GC-MS 法对油樟叶中挥发油的抗氧化研究和化学组成分析)

Y. B. WANG, L. H. SUN, J. D. WU, C. H. MA.....251

Dynamic Characteristics of *Rhododendron maculiferum* Community on North Slope of Shennongjia
(神农架北坡麻花杜鹃灌丛群落特征)

L. S. YANG, Z. G. JIANG, Y. C. WANG, H. L. YU, J. Y. YANG.....260

Study and Application of Radix Isatidis Polysaccharide
(板蓝根多糖的研究与应用)

N. N. BAI, W. X. WANG, Q. LI, Y. H. GUO, X. L. MENG, Y. CHEN.....268

Characterization and Preparation of Inclusion Complex of Rutin-Hydroxypropyl- β -Cyclodextrin Prepared by Antisolvent Method
(芦丁-羟丙基- β -环糊精包合物的反溶剂法制备与表征)

Y. J. LIU, X. H. ZHAO, L. QIU, W. W. WU, Y. Y. LI, L. WANG.....277

A Study on Seedling Propagation of *Deutzia glabrata* Kom in Green House
(光萼洩疏温室育苗技术)

G. L. TANG, L. J. LIU, X. M. XIE, Y. J. ZHAO, N. WANG, L. WANG.....283

Construction and Transformation of Recombinant Plasmid of Gene *SSCD1* Promoter and *GUS* Gene in *Arabidopsis thaliana*
(拟南芥 *SSCD1* 基因启动子与 *GUS* 重组载体的构建与转化)

P. L. LIU, T. T. ZHI, C. M. REN.....287

Study on Re-Germination and Storage Ability on Dehydration Wheat (*Triticum aestivum* L.) Seeds after Germination
(萌发后回干对种子耐贮藏性和再萌发的影响研究)

C. X. LIU, J. L. LIU, M. J. HUANG, J. F. SUN, C. L. LIU.....294

Effects of Different Tree Shapes on Photosynthetic Characteristics and Fruit Quality**of *Citrus grandis* var. *Longanyou***

(不同树形对龙安柚光合特性和果实品质的影响)

K. P. ZHANG, R. F. LI, Q. Q. XIA, Q. HE, G. L. LIANG, Y. W. YI, L. R. SU, T. HU, X. Y. JIANG, Q. G. GUO.....305

Optimum Method for Hydroponic of *Miscanthus floridulus*

(五节芒幼苗水培的优化方法)

L. Q. HE, X. JIANG, Z. Y. LIAO, J. H. XIE, C. Q. MA, G. B. LIU, A. T. ZHAO, G. SONG.....318

Research of Gene Editing by CRISPR/Cas9 System in *Nicotiana sylvestris*

(利用 CRISPR/Cas9 系统对林烟草基因编辑的研究)

Y. ZHANG, Z. J. LIU, Z. C. MAO, G. WANG, H. W. YANG.....323

Research Progress on Circadian Rhythms in Plants

(植物昼夜节律研究进展)

Y. CHEN, Y. XIANG, G. H. YU.....331

Study on Litterfall Production and Dynamic in *Pinus tabuliformis* Forest of Lingkong Mountain,**Shanxi Province**

(山西灵空山油松林凋落物节律研究)

L. R. CHEN, M. R. LIANG, Y. HE, X. Z. ZHANG, D. G. GUO.....337

Effect of 5-Aminolevulinic Acid on Leaf Heat Tolerance in *Ligustrum japonicum* and *Spiraea japonica*

(5-氨基乙酰丙酸(ALA)提高两种园林植物叶片耐热性效应)

D. Y. WANG, X. LI, L. XU, Y. Y. AN, L. J. WANG.....350