

目 次

皖南山区肖坑林场秋季植物花粉形态特征分析	杨春蕾, 周忠泽, 周 非, 龙 聪	1
曼地亚红豆杉‘Hicksii’花粉活力检测条件优化和适宜储藏温度分析	王呈伟, 郑玉红, 李 莹, 陆 波, 彭 峰, 陈晓萱	13
中国伞形科前胡属果实表面微形态特征及分类学意义	李美芝, 宋春风, 刘启新	19
杉木林生态系统中土壤酚类物质含量的变化规律	林开敏, 叶发茂, 李卿叁, 郭玉硕, 徐 昇, 赵均嵘	30
基于 <i>psbA-trnH</i> 分析的何首乌野生居群遗传多样性	白明明, 孙小芹, 郭建林, 李密密, 杭悦宇	36
浙江扇脉杓兰野生居群的表型性状变异及其与地理-土壤养分因子的相关性	李全健, 王彩霞, 田 敏, 李翠新	45
天马自然保护区常见秋熟植物种子大小变异分析	欧祖兰, 陈延松, 周守标, 徐忠东	53
夏枯草药材和种植土壤中农药及重金属残留分析	陈宇航, 郭巧生, 张贤秀, 房海灵, 王澄亚	60
葎草不同溶剂提取物和萃取物的杀虫活性	孙廷林, 王富军, 王剑非, 王鲁豫, 孙玉霞	64
美丽箬竹对模拟大气 O ₃ 浓度倍增胁迫的生理响应	庄明浩, 李迎春, 郭子武, 杨清平, 顾李俭, 陈双林	68
甜菊不同杂交组合结实率及其 F ₁ 代萌发和生长及对 NaCl 耐性的比较	杨永恒, 黄苏珍, 佟海英	73
不同林分内茶树光合特性及其影响因子和小气候因子分析	程 鹏, 马永春, 肖正东, 余诚棋, 蔡新玲, 王其林	79
不同宽度林带对国道两侧农田水稻叶片和糙米中重金属含量的影响	杨奕如, 殷云龙, 徐和宝	84
外源亚精胺对 NaCl 胁迫下毕氏海蓬子光合参数和叶绿体超微结构的影响	华 春, 周 峰, 丁春霞, 陈全战, 王仁雷, 李 萍	89
城市垃圾堆肥对高羊茅生长及土壤性质的影响	付学琴, 陈 霞, 龙中儿	96
濒危植物大果木莲种群格局及濒危原因分析	陈少瑜, 付玉嫔, 吴 涛, 司马永康, 郝佳波, 韩 燕	102
天目山山胡椒不同部位内生真菌组成及多样性分析	吴晓菡, 李文超, 秦路平	107
· 研究简报 ·		
不同栽培龄期光果甘草不同部位总黄酮含量的分析	李 娜, 陆嘉惠, 田润炜, 秦忠立, 李学禹	114
芳樟无性系叶精油及芳樟醇含量变异分析	张国防, 于静波, 冯 娟	117
艾叶多糖提取率影响因素分析及提取条件优化	李宏睿, 王 新, 张文波, 颜贤仔	119

《植物资源与环境学报》启事(116)

CONTENTS

Analysis on pollen morphological characteristics of autumn plants from Xiaokeng Forest Farm in the mountain areas of South Anhui YANG Chun-lei, ZHOU Zhong-ze, ZHOU Fei, LONG Cong 1

Detection condition optimization of pollen viability of *Taxus media* ‘Hicksii’ and analysis on its suitable storage temperature WANG Cheng-wei, ZHENG Yu-hong, LI Ying, LU Bo, PENG Feng, CHEN Xiao-xuan 13

Micromorphological features of mericarp surface of *Peucedanum* L. (Apiaceae) in China and its taxonomic significance LI Mei-zhi, SONG Chun-feng, LIU Qi-xin 19

Change regularity of phenols content in soil of forest ecosystem of *Cunninghamia lanceolata* LIN Kai-min, YE Fa-mao, LI Qing-san, GUO Yu-shuo, XU Bian, ZHAO Jun-rong 30

Genetic diversity of wild populations of *Fallopia multiflora* based on *psbA-trnH* analysis BAI Ming-ming, SUN Xiao-qin, GUO Jian-lin, LI Mi-mi, HANG Yue-yu 36

Variation of phenotypic traits of wild populations of *Cypripedium japonicum* in Zhejiang Province and its correlation with geographical-soil nutrient factors LI Quan-jian, WANG Cai-xia, TIAN Min, LI Cui-xin 45

Analysis on variation of seed size of common autumn-matured plants in Tianma Nature Reserve OU Zu-lan, CHEN Yan-song, ZHOU Shou-biao, XU Zhong-dong 53

Analysis on residues of organochlorine pesticides and heavy metals in planted soil and medicinal materials of *Prunella vulgaris* CHEN Yu-hang, GUO Qiao-sheng, ZHANG Xian-xiu, FANG Hai-ling, WANG Cheng-ya 60

Insecticidal activity of different solvent extracts and partitioned extracts from *Humulus scandens* SUN Ting-lin, WANG Fu-jun, WANG Jian-fei, WANG Lu-yu, SUN Yu-xia 64

Physiological response of *Indocalamus decorus* to simulated atmospheric ozone stress with multiply-increasing concentrations ZHUANG Ming-hao, LI Ying-chun, GUO Zi-wu, YANG Qing-ping, GU Li-jian, CHEN Shuang-lin 68

Comparisons of setting rate of different cross combinations of *Stevia rebaudiana* and germination, growth and NaCl resistance of their F₁ hybrids YANG Yong-heng, HUANG Su-zhen, TONG Hai-ying 73

Analyses on photosynthetic characteristics of *Camellia sinensis* in different forests and its main impact factors and microclimate factors CHENG Peng, MA Yong-chun, XIAO Zheng-dong, SHE Cheng-qi, CAI Xin-ling, WANG Qi-lin 79

Effects of forest belts with different widths on heavy metal content in rice leaf and brown rice in crop field on both sides of national road YANG Yi-ru, YIN Yun-long, XU He-bao 84

Effects of exogenous spermidine on photosynthetic parameters and chloroplast ultrastructure of *Salicornia bigelovii* under NaCl stress HUA Chun, ZHOU Feng, DING Chun-xia, CHEN Quan-zhan, WANG Ren-lei, LI Ping 89

Effect of municipal waste compost on growth of *Festuca arundinacea* and soil property FU Xue-qin, CHEN Xia, LONG Zhong-er 96

Analyses on population pattern and endangered causes of endangered species *Manglietia grandis* Hu et Cheng CHEN Shao-yu, FU Yu-pin, WU Tao, SIMA Yong-kang, HAO Jia-bo, HAN Yan 102

Analyses on composition and diversity of endophytic fungi in different parts of *Lindera glauca* from Tianmu Mountain WU Xiao-han, LI Wen-chao, QIN Lu-ping 107

• Research Notes •

Analysis of total flavonoids content in different parts of *Glycyrrhiza glabra* with different cultivated ages LI Na, LU Jia-hui, TIAN Run-wei, QIN Zhong-li, LI Xue-yu 114

Analysis on content variation of essential oil and linalool from leaf of *Cinnamomum camphora* var. *linaloolifera* clones ZHANG Guo-fang, YU Jing-bo, FENG Juan 117

Analysis of influence factors on extraction rate of polysaccharide from *Artemisia argyi* leaves and optimization of extraction condition LI Hong-rui, WANG Xin, ZHANG Wen-bo, YAN Xian-zai 119

《植物资源与环境学报》编辑委员会

Editorial Board of Journal of Plant Resources and Environment

主 编 庄娱乐

副主编 冯 煦 惠 红

编 委 (以姓氏的汉语拼音为序)

安树青	陈建群	崔大方	邓小江	丁小余	方升佐	傅承新
管开云	杭悦宇	郝日明	贺善安	洪德元	胡永红	黄苏珍
李思锋	李维林	李先琨	廖文波	刘大钧	刘建秀	刘启新
刘延江	龙春林	庞自洁	强 胜	秦路平	秦民坚	施国新
谭仁祥	唐领余	王明麻	王年鹤	王献溥	吴承祯	吴国荣
夏 冰	向其柏	徐增莱	许天全	殷云龙	尹大强	尹林克
於 虹	张明理	张卫明	张小平	张佐双	周荣汉	邹天才

植物资源与环境学报

ZHIWU ZIYUAN YU HUANJING XUEBAO

(季刊, 1992年创刊)

第21卷 第2期 2012年5月25日出版

Journal of Plant Resources and Environment

(Quarterly, Started in 1992)

Vol. 21 No. 2 May 2012

主 管 江苏省科学技术厅
主 办 江苏省植物研究所
中国科学院
江苏省植物学会
中国环境科学学会植物园保护分会
主 编 庄娱乐
编辑出版 《植物资源与环境学报》编辑部
(南京 210014 南京中山门外,
江苏省·中国科学院植物研究所内
Tel: 025-84347016; 025-84347014
Fax: 025-84432074
E-mail: nbjxx@jlonline.com; zwzy@mail.cnbg.net
<http://www.cnbg.net/Tg/Contribute/Login.aspx>)
排 版 《植物资源与环境学报》编辑部微机排版室
印 刷 江苏省地质测绘院印刷厂
订 阅 全国各地邮局
国外总发行 中国国际图书贸易总公司

Superintended by Jiangsu Science and Technology Department
Sponsored by Institute of Botany, Jiangsu Province and the Chinese Academy of Sciences, Jiangsu Society of Botany and Branch of Botanical Gardens Conservation, Chinese Society of Environmental Sciences
Editor-in-Chief ZHUANG Yu-le
Edited and Published by Editorial Office of Journal of Plant Resources and Environment
(Institute of Botany, Jiangsu Province and the Chinese Academy of Sciences, Nanjing 210014, China
Tel: 86-025-84347016; 86-025-84347014
Fax: 86-025-84432074
E-mail: nbjxx@jlonline.com; zwzy@mail.cnbg.net
<http://www.cnbg.net/Tg/Contribute/Login.aspx>)
Composed by The Editorial Office
Printed by Printing House of Jiangsu Geological Mapping Institute
Distributed by
Domestic: All Local Post Offices in China
Foreign: China International Book Trading Corporation

公开发行人 中国标准连续出版物号: ISSN 1674-7895
CN 32-1339/S

邮发代号: 28-213 国外发行代号: Q5833 定价: 20.00元