



中国供销合作社
主管单位：中华全国供销合作总社
主办单位：
中华全国供销合作总社昆明
食用菌研究所
编辑出版：《中国食用菌》编辑部
主 编：孙达锋
副 主 编：吕德平
责任编辑：吕德平
地 址：昆明市政教路 14 号
邮 编：650223
电 话：(0871) 65151099
65151090
传 真：(0871) 65110294
电子邮箱：zgsyj2005@163.com
zgsyj2005@126.com

2019年第12期 总第227期（卷终）

目 次

综述

4种药用真菌在中药及中成药中的开发应用现状 曹根凤, 黄双根, 曾小虎 (1)

资源开发

“一带一路”背景下广西—东盟野生食用菌资源合作开发的可持续性研究 梁剑 (5)

育种与驯化

食用菌种质资源评价方法及在品种选育上的应用实践 孔祥会, 姚方杰, 王鹏 (8)

栽培技术

秦巴山区漆树林下食用菌立体套种模式综合增效经济分析 赵瑞 (11)

几种辅助料对绣球菌栽培效果的影响 杨丽莉, 杜双田, 程爽爽, 陈晓文, 高原 (15)

金针菇菌渣肥料的制备及其对文心兰生长发育的影响 颜彩燕, 边子星, 杨福孙, 姚肖健 (20)

生理生化

桑黄原生质体的制备与再生 孙婷婷, 王世新, 王旭彤, 刘增才, 马伊莎, 邹莉 (24)

香菇多糖食品改善运动员肠道功能的作用探索 梁金孟, 张焱超 (30)

白灵菇运动饮料对运动性疲劳的缓解机制 应一帆 (34)

红菇抗运动性疲劳的功效研究 张忠子 (37)

裂褶菌对小鼠抗疲劳作用的研究 李加凤, 陈进 (40)

冬虫夏草多糖提取物对缓解小鼠运动应急性疲劳的影响 黄学惠 (43)

双孢蘑菇子实体多糖对小鼠运动损伤修复调节作用研究 赵海军 (46)

贮运加工

食用菌生产企业引入HACCP的必要性及关键点 彭荣 (50)

无公害食用菌工厂化生产中的生态环境设计探讨 魏晔 (53)

产业论坛

牡丹江市食用菌循环经济发展研究 姜明宇 (56)

互联网背景下我国食用菌产业发展策略分析 南淑华, 闵晓杰 (59)

农业流域循环经济模式下食用菌产业发展研究 华进 (62)

食用菌产业在农业循环经济中的作用与实践 段力刚 (65)

野生食用菌出口贸易问题及应对 陈战勇 (68)

中国食用菌出口遭遇贸易壁垒的现状与破解之策 尚航标, 勾婉婷 (71)

中国食用菌产业发展的战略研究与对策分析 陈先锋 (74)

我国食用菌产品出口结构与产能过剩态势研究 王睿 (77)

食用菌贸易风险的规避和跨境贸易的发展模式创新研究 张婕 (80)

欧盟国家食用菌贸易状况及竞争力模型构建 何智霞, 武晓荣 (84)

市场与商务

食用菌产品输美贸易壁垒的规避策略研究 孙鹏程 (87)

基于消费者行为的神运食用菌加工公司4C营销策略分析 干甜 (90)

跨境电商与食用菌行业对外贸易发展关联性分析 李静秋 (93)

贸易自由化对我国食用菌产品出口的影响研究 严琰 (96)

基于4P营销视角的食用菌类产品营销策略研究 涂念, 向洪玲 (99)

“互联网+”变革下野生食用菌产品营销策略 王玉茹 (102)

我国珍稀野生食用菌市场现状及营销探索 李娟 (105)

随州地区食用菌产业“互联网+金融”探索 康兴涛 (108)

菌蕈文化

猴头菇的历史文化溯源与食疗文化 李鹏, 王彦鹏, 张志成 (112)

古文献对冬虫夏草的记载考释 王莹 (115)

中国传统菌文化价值观下的食用菌企业文化塑造 杨烁 (118)

《全唐诗》中灵芝意象考证 曹波 (121)

大型真菌在古代彝族文学作品中的体现 李艳 (124)

菇农之友

食用菌主题生态旅游区发展规划及建议 王军, 龙华 (126)

平泉县食用菌市场发展及营销策略研究 张猫猫 (129)

休闲农业旅游与食用菌产业化发展融合的路径 魏晓颖 (132)

互联网背景下食用菌网络视频营销模式创新研究 胡景香 (135)

供给侧结构性改革背景下食用菌产业结构优化的对策研究 温新荣 (139)

食用菌产业生态旅游资源开发及监管研究 羊绍全 (142)

食用菌栽培课程改革探讨——基于大学生创业教育 于倩, 于霞 (145)

食用菌供应链质量安全管理体系建设及应用分析 肖炜华 (147)

职业教育背景下食用菌企业在校企合作中的法律规制研究 周赞梅, 邓红燕 (150)

信息荟萃

《中国食用菌》声明 (73) 著作权转让声明 (92) 贵州：铜仁市碧江区召开“种植大球盖菇技术现场培训会” (123)

广告·书评

书评 (7-46)

封面

六妹羊肚菌 *Morchella sextelata* 刘绍雄 摄影

[期刊基本参数] CN 53-1054/Q*1982*b*A4*158*zh*P*¥20.00*5000*47*2019-12

责任编辑：吕德平 文字编辑：李丹丹 美术编辑：庄阳秋 校 对：周汐

Edible Fungi of China

A Monthly Vol. 38, No. 12 Dec. 2019 (General Serial No. 227)

Main Contents

Review

- Application and Development of Four Medicinal Fungi in Traditional Chinese Medicine and Chinese Patent Medicine CAO Gen-feng, HUANG Shuang-gen, ZENG Xiao-hu (1)

Resource Development

- Research on Sustainable Cooperative Development of Guangxi—ASEAN Wild Fungi Resources Under the Background of “the Belt and Road Initiative” LIANG Jian (5)

Breeding and Domestication

- Method of Edible Fungi Germplasm Resources Evaluation and Application in Cultivar Breeding KONG Xiang-hui, YAO Fang-jie, WANG Peng (8)

Cultivation Techniques

- Economic Analysis of Comprehensive Efficiency of Three-Dimensional Edible Fungi Under Lacquer Trees in Qinba Mountainous Area ZHAO Rui (11)

- Effects of Several Supplementary Materials on Cultivation of *Sparassis crispa* YANG Li-li, DU Shuang-tian, CHENG Shuang-shuang, et al. (15)

- Preparation of *Flammulina velutipes* Residue Fertilizer and its Effect on the Growth and Development of *Oncidium hybrideum* YAN Cai-yan, BIAN Zi-xing, YANG Fu-sun, et al. (20)

Physiology and Biochemistry

- Research on Protoplast Preparation and Regeneration of *Phellinus igniarius* SUN Ting-ting, WANG Shi-xin, WANG Xu-tong, et al. (24)

- Effect of *Lentinus edodes* Food on Improving Intestinal Function of Athletes LIANG Jin-meng, ZHANG Yan-chao (30)

- Alleviating Mechanism of *Pleurotus ferulae* Sports Drink on Sports Fatigue YING Yi-fan (34)

- Study on the Anti-fatigue Effect of *Russula vinosa* ZHANG Zhong-zi (37)

- Study on the Antifatigue Effect of *Schizophyllum commune* on Mice LI Jia-feng, CHEN Jin (40)

- Effects of *Ophiocordyceps sinensis* Polysaccharide Extract on Relieving Acute Exercise Fatigue in Mice HUANG Xue-hui (43)

- Study on the Effects of *Agaricus bisporus* Fruiting Body Polysaccharide on the Repair and Regulation of Sports Injury in Mice ZHAO Hai-jun (46)

Storage Processing

- Necessity and Key Points of HACCP Introduction in Edible Fungi Production Enterprises PENG Rong (50)

- Discussion on Ecological Environment Design in the Factory Production of Pollution-Free Edible Fungi WEI Ye (53)

Industry Forum

- Study on the Development of Edible Fungi Recycling Economy in Mudanjiang City JIANG Ming-yu (56)

- Analysis on the Development Strategy of Edible Fungi Industry in China under the Internet Background NAN Shu-hua, MIN Xiao-jie (59)

- Research on the Development of Edible Fungi Industry under the Model of Circular Economy in Agricultural Watershed HUA Jin (62)

- The Function and Practice of Edible Fungi Industry in Agricultural Circular Economy DUAN Li-gang (65)

- Export Trade Problems and Solutions of Wild Edible Fungi CHEN Zhan-yong (68)

- Edible Fungi of China Export Encounters Trade Barriers and Solutions SHANG hang-biao, GOU Wan-ting (71)

- Strategic Research and Countermeasure Analysis on the Development of Edible Fungi Industry in China CHEN Xian-feng (74)

- Study on the Export Structure and Overcapacity of Edible Fungi Products in China WANG Rui (77)

- Study on the Risk Aversion of Edible Mushroom Trade and the Innovation of Development Mode of Cross-Border Trade ZHANG Jie (80)

- The Trade Situation and Competitiveness Model of Edible Fungi in EU Countries HE Zhi-xia, WU Xiao-rong (84)

Market and Business

- Study on the Strategies to Avoid the Trade Barriers of Edible Fungi Products to the United States SUN Peng-cheng (87)

- Analysis of 4C Marketing Strategy of Shenyun Edible Fungi Processing Company Based on Consumer Behavior GAN Tian (90)

- Analysis on the Relationship Between Cross-border E-commerce and the Development of Foreign Trade in Edible Fungi Industry LI Jing-qiu (93)

- Study on the Impact of Trade Liberalization on the Export of Edible Fungi Products in China YAN Yan (96)

- Study on Marketing Strategy of Edible Fungi Products Based on 4P Marketing Perspective TU Nian, XIANG Hong-ling (99)

- Marketing Strategy of Wild Edible Fungi Products from the Perspective of “Internet +” WANG Yu-ru (102)

- Market Status and Marketing Exploration of Rare Wild Edible Fungi in China LI Juan (105)

- Exploring the “Internet + Finance” of Edible Fungi Industry in Suizhou Region KANG Xing-tao (108)

- Historical Cultural Origin and Diet Therapy Culture of *Hericium erinaceus* LI Peng, WANG Yan-peng, ZHANG Zhi-cheng (112)

- Study on the Records of *Ophiocordyceps sinensis* in Ancient Documents WANG Ying (115)

- Corporate Culture Shaping of Edible Fungi under Chinese Traditional Edible Fungi Culture Values YANG Shuo (118)

- Textual Study of *Ganoderma lucidum* Images in the Poems of Complete Tang Dynasty CAO Bo (121)

- The Embodiment of Macrofungi in Ancient Yi Literature LI Yan (124)

Friends of Mushroom Cultivators

- Development Plan and Recommendations for Edible Fungi theme Ecotourism Area WANG Jun, LONG Hua (126)

Advertising · Book Review

- Book Review (7-46)

Front Cover

- Morchella sextelata* Photo by LIU Shao-xiong

Competent Authorities: All China Federation of Supply and Marketing Cooperatives

Sponsor:

Kunming Edible Fungi Institute of the All China Federation of Supply and Marketing Cooperatives

Edited & Published by:

Editorial Department of Edible Fungi of China

Editor in Chief:

SUN Da-feng

Deputy Editor in Chief:

LYU De-ping

Responsible Editor:

LYU De-ping

Add: 14 Zhengjiao Road, Kunming, Yunnan, P. R. China

Zip Code:

650233

Price: US\$40.00 a year (including mailing)

Tel: +86-871-65151099

+86-871-65151090

Fax: +86-871-65110294

E-mail: zgsyj2005@163.com

zgsyj2005@126.com

彩页广告索引

江苏省高邮市科学食用菌研究所 (封二)
湖北省宜城市裕山香菇机械厂 (封三)
北京必洁仕环保新技术开发有限责任公司 (封四)

中心插页

石家庄市启强机械厂 (插一)

湖北省随州市随缘食用菌消毒剂厂 (插二、插三)

湖南南方食用菌原料开发有限公司 (插四)

河北遵化市亿昌食用菌发展中心 (插五)

河南省虞城县金隆菇业 (插六)

书评广告索引

现代农业物流的发展现状与趋势研究 (广告 7)

虚拟样机技术在农业工程中的应用现状 (广告 8)

乡村振兴战略视角下农产品营销推广技巧分析 (广告 9)

“互联网+”时代农业电商化转型研究 (广告 10)

大数据时代的农业网络安全及防范措施研究 (广告 11)

健康中国视野下体育保健课程的特点及实现路径研究 (广告 12)

探索大数据时代农业物流的变革与机遇 (广告 13)

农业机械设备在农业中的应用与发展 (广告 14)