

Table of Contents

The Practical Significance and Countermeasures of Agricultural Waste Resources Utilization	1
<i>He Li, Haibin Guo, Yadong Wei</i>	
Optimization of Extraction Process of Exopolysaccharide from <i>Lentinus edodes</i> by Response Surface Methodology	5
<i>Yan Li</i>	
New Technology of Container Seedling Afforestation of <i>Pinus Sylvestris</i> Var. <i>Mongolica</i> Litv in Horqin Sandy Land	10
<i>Chao Ketu, Ligao Bao</i>	
Study on Optimization of polyphenols extraction from <i>Cuscuta chinensis</i> by response Surface Methodology	15
<i>Chen Jiajun, Zhao Chenxu, Wu Zhiqiang, Tian Peng, Gao Mingze, Yang Min</i>	
Analysis on the predicament of credit of Chongqing agricultural products and countermeasures	23
<i>Zhu Xusen</i>	
Current Situation and Prospect of Vegetable Processing Industry in Guangxi	28
<i>Li Li, Xinming, Li Changbao, Sun Jian</i>	
Research on the Package Design for Characteristic Agricultural Products in Rural Tourism Destinations of Ya'an	34
<i>Jie He</i>	
Analysis of mabe pearl characteristics of bead lining treatment	39
<i>Chen Yufan, Xu Chong</i>	
Study on Extraction and Purification of Total Flavonoids from <i>Mappianthus iodoies</i>	45
<i>Shen Wei, Ma Jiyong, Zhang Ruili, Cui Lulu</i>	
Prediction Model of Household Planting based on Case-based Reasoning based on Cellular Automata	53
<i>Bing Jiang, Hongbing Luo, Zhengyi Ji</i>	
Technical Measures for Structural Adjustment and Renewal of <i>Pinus sylvestris</i> var. <i>mongolica</i> Plantation in Sandy Land	59
<i>Xiaoxia Bai</i>	

Problems and Countermeasures of Agricultural Extension in New Period	65
<i>Xue Bai, Yang Yu</i>	
Research on Agricultural Products Logistics Supply Chain Model Based on Information Network	69
<i>Liu Xuexue</i>	
Leisure Agriculture and Rural Tourism Management Model	73
<i>Xiaofeng Yang</i>	
Artificial Regeneration of Pinus Sylvestris var. Mongolica under the Canopy	76
<i>Xiaoxia Bai</i>	
Exploration and research of laboratory construction based on Internet of Things in Agriculture	81
<i>Cui Xiaojun, Gao Zihang</i>	
Influence of Fertilizer pH and Presence of FOC on Soil Microbial Functional Diversity	86
<i>Jin Li, Bohao Chen, Kai Deng, Yanqiu Liang, Zhong Lin, and Tingting Duan</i>	
The Effects of Different Soaking Temperature and Time on Seedling Quality of Rice	97
<i>Yexing Pan, Dingyao Liu</i>	
Leisure Agriculture in China	102
<i>Xiu Sun</i>	
Advances in Ultra-dry Seed Storage	108
<i>Jin Du, Yanjie Wen, Enlai Yang, Jiahao Duan, Xinxin Liu, Lie Zhang, Fei Zhao and Chunyang Xiang</i>	
Study on Estimation of Agricultural Total Factor Productivity under Carbon Emission Constraints	114
<i>Fan Zhang</i>	
Effect of Organic Fertilizer Instead of Chemical Fertilizer on Tomato Growth and Soil Properties in Sunlight Greenhouse	121
<i>Jiaxi Dong, Xiuping Tian, Yingai Tan, Lu Yue, Enhao Fang, and Qiu Zhao</i>	
The Study on Screening of Rosa Cultivation Substrate of Vertical Greening Plant	130
<i>Xinqian Shi, Xiuping Tian, Keyi Zhang, Zhenxiang Zhou, and Xianzhi Lu</i>	
Study on the Effect of Priming on the Storage Resistance of Rice	136
<i>Xudong Jia, Yuxin Li, Rui Xiong, Fei Zhao, Jian Liu, Chunyang Xiang, Jin Du, and Gaoyi Cao</i>	

Research on the Key Technology of Intelligent Tea Picking Machine -- Measurement of Depth and Height of Tea Gathering in Visual Processing System	146
<i>Wei Liu, and Rui Xiong</i>	
In Vitro Antioxidant Effect of Insect Tea Polyphenols	157
<i>Jing Zhang, Zemei Guo, Sha Yi, Zhangcheng Ren, and Xin Zhao</i>	
Design of Separation and Transportation Device for Sorghum Harvester	164
<i>Fuxiang Xie, Xunlin Zhang, and Lei Zhang</i>	
Development and Innovation of Agricultural Leisure Tourism Products Based on the Concept of Whole Product Vision	168
<i>Wenhong Zu</i>	
Effects of Different Concentrations of Salt Stress on Growth and Physiological Indexes of Cucumber Seedlings	174
<i>Zhanming Tan</i>	
Design of Family Sprouting Vegetables Cultivation Equipment	182
<i>Guiqin Zhang</i>	
Study on Soil Permeability in Unsaturated Zone Based on TST-55 Permeameter	187
<i>Zongheng Xu, and Lingxu Li</i>	
Synthesis and Biological Activity of a Novel O-Carboxamidobenzamide Compound Containing 2-Chloroethoxy (2-Bromoethoxy)	192
<i>Mingming Zhang, Liangzhong Xu, and Minghui Wang</i>	
Research Status and Development Trend of Green Manure in Rice Fields in China	197
<i>Yanjie Wen, Jin Du, Shiguo Yu, Fei Zhao, Keyan He, Jian Liu, Gaoyi Cao, and Chunyang Xiang</i>	
Effects of Chemical Fertilizer Reduction on Growth and Quality of Tomato	203
<i>Miaomiao Yuan, Xiuping Tian, Jiayi Dong, Yingai Tan, Lu Yue, Enhao Fang, and Qiu Zhao</i>	
Effect of Chemical Fertilizer Reduction on Wax Gourd (<i>Benincasa hispida</i>) Growth and Soil Properties in Sunlight Greenhouse	208
<i>Wenjing Ren, Chunyang Xiang, Xiuping Tian, Jiayi Dong, Yingai Tan, Lu Yue, Enhao Fang, and Qiu Zhao</i>	
Draft Genome Sequence of <i>Enterobacter</i>. Sp. E20, Isolated from Glyphosate Polluted Soil	214
<i>Gaoyi Cao, Xudong Jia, and Yuyuan Zheng</i>	
Legal Research on Agricultural Cultural Heritage	218
<i>Rui Xiong, and Wei Liu</i>	

Comparative Test of Xinjiang Turnip Cultivars	223
<i>Zhengying Xuan</i>	
Development of Design System for Family-Type Sprouting Vegetable Cultivation Equipment	230
<i>Yi Guo, and Guiqin Zhang</i>	
Study on the Influence of Grain Composition on Seepage Velocity of Slope Soil	236
<i>Zongheng Xu, and Lingxu Li</i>	
Advances in Rice Direct Seeding Technology	241
<i>Jing Wang, Keyan He, Jin Du, Enlai Yang, Fei Zhao , Lie Zhang, Gaoyi Cao and Chunyang Xiang</i>	
Mapping QTLs for Milling Quality Traits in Japonica Rice	246
<i>Fei Zhao, Weina Yin, Jin Du, Jian Liu, Chunyang Xiang, Zhongyou Pei, and Gaoyi Cao</i>	
Construction of Agricultural Information Service Platform of Chinese Herbal Medicine Based on Android	254
<i>Lihui Wang</i>	
An Approach to the Extended TPB Model of Proenvironmental Production Behavior: A Case Study of New Types of Chinese Agricultural Business Entities	260
<i>Rui CHEN, Jian ZHANG</i>	
A Comparative Study of Three Models for Animal Cell Growth Simulation Based on Biomimics Technology	278
<i>Hong Xiaoming</i>	
Farming Behavior Analysis of Agricultural Pollution Prevention and Control	283
<i>Li Fei</i>	
Environmental Kuznets Curve Analysis of Agricultural Pesticide and Film in China	288
<i>Li Fei</i>	
Introduction and Comparative Study on Proso Millet (<i>Panicum miliaceum</i> L.) Ningmi Varieties in Baicheng	294
<i>Xie Zhi-ming, Cheng Bing-wen, Han Yue-ming, Han GuoJun</i>	
Effects of Different Sowing Dates on Growth and Yield of Proso Millet (<i>Panicum miliaceum</i> L.) in Baicheng	302
<i>Han Guo-jun, Han Yue-ming, Xie Zhi-ming</i>	