



## ECOLOGICAL ECONOMY

### Academic Committee

Cao Zhiping      Dai Bin      Ding Renzhong  
Ge Zhongquan      Huang Qing      Ji Kunsen  
Jia Zhiyong      Jiang Xuemin      Jin Yong  
Li Kebin      Li Ruojian      Li Zhou  
Lin Ling      Lin Xu      Liu Chuan  
Luo Ling      Meng Qinghong  
Ouyang Jinfang      Pan Jiahua      Ren Yulong  
Richard Dawsom (U.S.A.)      Teng Teng  
Wang Songpei      Wu Guanghe      Xie Feng  
You Jianjun      Yu Shiyu      Zeng Huanglin  
Zhao Junquan      Zheng Yuxin  
Zhu Nan( New Zealand)

### Governed by

News Publication Bureau of Yunnan Province

### Sponsored by

-Yunnan Education Publishing House  
-Sichuan University of Science & Engineering

### President

He Xuehui

### Chief Editor

Zeng Huanglin

### Deputy Editors

Gao Xiaoling      Xie Feng

### Editorial Director

Chen Yuhou

### Excutive Director

Zeng Shaolun

### English Editors

Rebecca Cors (U.S.A.)

Yan Jun

### Art Design

Wang Fan

Address : Sichuan University of Science & Engineering, Zigong 643000, Sichuan Province, the People's Republic of China

Tel: 0086-813-5505936

0086-813-5505939

E-mail: greenchina@vip.163.com

eco\_economy@126.com

### Ecological Economy

ISSN1673-0178, CN53-1197/F

Vol.1, No.2, 2005

Domestic Issue Code: 64-50

Domestic Issue: Post Office of Kunming

Overseas Issue Code: Q1930

Issue abroad: China International Book Trading Corporation (P.O. Box 399, Beijing100044, P. R. China)

Printed by Yunnan Licheng Prepress & Printing Co. Ltd.

### Subscription Rates

(4 issues per annum.)

China.....RMB20.00

Europe.....\$5.00

U.S.A.....\$6.00

All right reserved, no part of the publication can be reproduced, stored in a retrieval system, or transmitted for any purpose, in any forms or by any means. Unauthorized copying, reproduction, hiring public performance and broadcasting without the prior written permission of the publishers are prohibited.

## CONTENTS

### HUMAN BEING & NATURE

- 1 Guide the Construction of Ecological Province of China with the Ecological Economics Theory  
*Wang Songpei*
- 12 Eco-Reason — the Philosophical Thinking on the Limitation Existence  
*Tang Daixing*
- 19 On the Theory of Harmonious Co-existence between Man and Nature by Marx and Engels  
*Kong Xiangli*

### ECOLOGY, ECOLOGICAL ECONOMY & ECOLOGICAL INDUSTRY

- 23 Study on Tourist Carrying Capacity Based on Matter Element Analysis  
*Liu Yunguo, Fan Ting, Li Xin, Zhou Ming & Wang Xianhai*
- 28 Discussion on an Eco-Agriculture Model in the Semi-Arid Region of China  
*Zhang Peidong*
- 32 From Less or No Waste Manufacturing and Cleaner Production to Recycle Economy — A Review on the Theoretical Research and Practice of Ecological Enterprises in China  
*Liu Yong*
- 40 Elementary Introduction and Suggestion on Ecotourism  
*Wang Xiaoxiao*

### POPULATION, RESOURCES & ENVIRONMENT

- 44 Economical Analysis and Optimization of Recovery Processing Policies about Discarded Product  
*Xie Jiaping, Kong Lingcheng & Chen Rongqiu*
- 52 On Efficiency of the Compulsive Institution in the Environment Governance  
*Fan Genyao & Jiang Li*
- 57 Study on the Characteristics and Driving Forces of Changes of the Urban Land-Use Structure in Wuhan in 1990s  
*Liu Yaobin & Song Xuefeng*
- 61 Effective Resources, Sustained Efficiency and Scientific Forecast  
*Wang Wei & Yao Yongzhi*
- 64 Eco-materials Research — Study on Preparation and Properties of Woodceramics  
*Wu Wentao*
- 68 Review on Chlorobenzoic Acids Biodegradation and Their Environmental Impacts  
*Lu Wenming, Qi Yun, Zhao Lin & Tan Xin*

### REGIONAL ECONOMY & SUSTAINABLE DEVELOPMENT

- 73 Sustainable Development and Spatial Distribution of Industries  
*Sheng Yi*
- 78 Approach to the Reserve against Deposit System and the Sustainable Development of Chinese Commercial Banks  
*Yu Hui & Arei Tomoyuki*
- 83 Study on Effective Measures of Environmental Protection for Sustainable Development of Tourism Industry in the World Natural Heritage Wulingyuan  
*Yang Meixia & Zhou Guohai*
- 89 On China's Sustainable Development of Energy — Opportunity for the China's Nuclear Power Industry  
*Zeng Shaolun*

### WESTERN DEVELOPMENT &

### ISSUES CONCERNING AGRICULTURE, COUNTRYSIDE, FARMERS

- 93 Research on the Development Model of Ecological Agriculture in Loess Hilly-Gully Region of Northern Shannxi, China  
*Wang Jijun, Liu Guobin, Xie Yongsheng, Quan Songan & Zhang Ganglong*
- 100 Research on Converting Cultivated Land into Forests and Regional Sustainable Development  
*Chang Jinbao, Sha Rula, Zhang Qiuliang & Yang Like*