## The Journal of American Science

Volume 2 - Number 1, February 1, 2006

## CONTENTS

1. Borges, the Quantum Theory and Parallel Universes

Oscar Antonio Di Marco

31. Mankind May Be Impossible to Manufacture out Any Artificial Real Gravitational Black Hole (BH) <u>Forever</u>

Dongsheng Zhang

38. The Nature of Consciousness and the Meaning of Life 38-41 Michael J. Vandeman

42 Mandatory HIV Notification: Bioethical Concerns vs. Public Health Concerns, Health and Medical Dilemmas

Adashima Muhammad

- <u>46. Cholesterol and Human Health</u> Hongbao Ma, Kuan-Jiunn Shieh
- 51. Statistics and Probability in Lottery of "WINFall" Hao Li
- 54. Even the Dial-up Internet Users , temp. IP Address Owners Deserve an FQDN Address Indrajit Mukherjee

56. Studies on the Effects of Catching Rainwater with Saving Water Technology of Covering Film between Furrows in Eestern Semi-arid Area of Heilongjiang Province

Qinghua Liu, Guang Yang, Yongsheng Ma

<u>61. Chitosan and Randomly Methylated  $\beta$ -cyclodextrin Combined to Enhance the Absorption and Elevate</u> the Bioavailability of Estradiol Intranasally: in situ and in vivo Studies

Wei Leng, Linghao Qin, Xing Tang

66. A Study of Composting System of Municipal Solid Waste with Bio-surfactant Beidou Xi, Yingjun Li, Zimin Wei, Yue Zhao, Hongliang Liu

71. Study on Enterprise's Core Competence Dayong Liu, Cuixia Li, Mingcheng Che

74. The Integration Effect of the Corn Technology That Saves Water and Combats Drought in the Northeast Half Arid Area

Jianghong Zhou, Yongxia Wei<sup>2</sup>, Bin Wang

80. Study on the Interfere Factors of Signal-Noise Ratio during Scanning Gene Chip Yan Yu Qing, Li Jie

83. A Point Mutation of S Gene from TGEV Isolate TH-98 Followed Construction of Shuttle Plasmid used in *E. coli*/Yeast Expression System

Jie-chao Yin, Guang-xing Li, Yi-jing Li, Xiao-feng Ren

89. The Study of Price Control in the Chinese Natural Monopolistic Industries in Order to Avoid A – J Effect

Xiaofeng Hui, Zhen Chen