Life Science Journal

Marsland Press

PO Box 180432, Richmond Hill, New York 11418, USA

Website:

http://www.sciencepub.net

Emails:

editor@sciencepub.net sciencepub@gmail.com

Phone: (347) 321-7172

2009 Volume 6, Number 2 ISSN:1097-8135







Websites: http://www.lifesciencesite.com http://www.sciencepub.net

Emails: lifesciencej@gmail.com editor@sciencepub.net





Websites: http://www.lifesciencesite.com http://www.sciencepub.net

Emails: lifesciencej@gmail.com editor@sciencepub.net ISSN: 1097-8135

Life Science Journal

Acta Zhengzhou University Oversea Version (*Life Sci J*)

Life Science Journal, the Acta Zhengzhou University Oversea Version, is an international journal with the purpose to enhance our natural and scientific knowledge dissemination in the world under the free publication principle. The journal is calling for papers from all who are associated with Zhengzhou University-home and abroad. Any valuable papers or reports that are related to life science - in their broadest sense - are welcome. Other academic articles that are less relevant but are of high quality will also be considered and published. Papers submitted could be reviews, objective descriptions, research reports, opinions/debates, news, letters, and other types of writings. Let's work together to disseminate our research results and our opinions.

Editor-in-Chief: Shen, Changyu, Ph.D., Professor, Chinese Academy of Sciences

Associate Editors-in-Chief: Ma, Hongbao; Cherng, Shen; Xin, Shijun

Editorial Boards: Aghdam, Hashemi; An, Xiuli; Chandra, Avinash; Chen, George; Dong, Ziming; Duan, Guangcai; Edmondson, Jingjing; Gao, Danying; Huang, Shuan-Yu; Li, Xinhua; Li, Yuhua; Lindley, Mark; Liu, Hua; Liu, Hongmin; Ma, Margret; Qi, Yuanming; Sabyasachi Chatterjee; Shang, Fude; Shi, Lifeng; Song, Chunpeng; Sun, Yingpu; Wang, Lidong; Wen, Jianguo; Xu, Cunshuan; Xu, Yuming; Xue, Changgui; Zaki, Mona; Zhang, Jianying; Zhang, Kehao; Zhang, Shengjun; Zhang, Xueguo; Zhang, Zhang, Zhao; Zhu, Huaijie

Introductions to Authors

1. General Information

- (1) Goals: As an international journal published both in print and on internet, Life Science Journal is dedicated to the dissemination of fundamental knowledge in all areas of nature and science. The main purpose of Life Science Journal is to enhance our knowledge spreading in the world under the free publication principle. It publishes full-length papers (original contributions), reviews, rapid communications, and any debates and opinions in all the fields of nature and science.
- (2) What to Do: The Life Science Journal provides a place for discussion of scientific news, research, theory, philosophy, profession and technology - that will drive scientific progress. Research reports and regular manuscripts that contain new and significant information of general interest are welcome
- (3) Who: All people are welcome to submit manuscripts in life science fields. Papers of other fields are also considered.
- (4) Copyright and Responsibility of Authors to their Articles:
 When the manuscript(s) is submitted to the journal, the authors agree the following: All the authors have participated sufficiently in this work; The article is not published elsewhere; Authors are responsibility on the contents of the article; The journal and author(s) have same right for the copyright of the article and either of the journal or author(s) can use it by anyway without noting the other party.
- (5) Publication Costs: US\$500 per article to defray costs of the publication will be paid by the authors when it is received. Extra expense for color reproduction of figures will be paid by authors (estimate of cost will be provided by the publisher for the author's approval).
- (6) Advertisements: The price will be calculated as US\$400/page, i.e. US\$200/a half page, US\$100/a quarter page, etc. Any size of the advertisement is welcome.

2. Manuscript Preparation

Each manuscript is suggested to include the following components but authors can do their own ways:

(1) Title: including the complete article title; each author's full name; institution(s) with which each author is affiliated,

with city, state/province, zip code, and country; and the name, complete mailing address, telephone number, facsimile number (if available), and at least one email address for author(s). (2) Abstract: including Background, Materials and Methods, Results, and Discussions. (3) Key Words. (4) Introduction. (5) Materials and Methods. (6) Results. (7) Discussions. (8) Acknowledgments. (9) References.

3. Manuscripts Submission

- Submission Methods: Submission through email (editor@sciencepub.net) is encouraged.
- (2) Software: The Microsoft Word file will be preferred.
- (3) Font: Normal, Times New Roman, 10 pt, single space.
- (4) Indent: Type 2 space in the beginning of each new paragraph.
- (5) Manuscript: Don't use "Footnote" or "Header and Footer".
- (6) Email: At least one author's email must be put under title.
- (7) Title: Use Title Case in the title and subtitles, e.g. "Debt and Agency Costs".
- (8) Figures and Tables: Use full word of figure and table, e.g. "Figure 1. Annul Income of Different Groups", Table 1. Annual Increase of Investment".
- (9) References: Cite references by "last name, year", e.g. "(Smith, 2003)". References should include all the authors' last names and initials, title, journal, year, volume, issue, and pages etc.

Reference Examples:

Journal Article: Hacker J, Hentschel U, Dobrindt U. Prokaryotic chromosomes and disease. Science 2003;301(34):790-3. Book: Berkowitz BA, Katzung BG. Basic and clinical evaluation of new drugs. In: Katzung BG, ed. Basic and clinical pharmacology. Appleton & Lance Publisher. Norwalk, Connecticut, USA. 1995:60-9.

(10) Submission Address: editor@sciencepub.net. Marsland Press, PO Box 180432, Richmond Hill, New York 11418, USA, 347-321-7172.

Marsland Press / Zhengzhou University
PO Box 180432, Richmond Hill, New York 11418, USA
http://www.sciencepub.net
lifesciencej@gmail.com; editor@sciencepub.net
© 2005-2009 Marsland Press / Zhengzhou University

CONTENTS

1	The artificial microRNA mediates GUS-GFP gene silencing using ath-miR169d precursor as backbone Chong Liu, Lan Zhang, Jie Sun, Yanzhong Luo, Mingbo Wang, Yunliu Fan, Lei Wang	1 – 7
	Chong Liu, Lan Zhang, Jie Sun, Yanzhong Luo, Mingoo Wang, Yumu Fan, Lei Wang	
2	Alkaline protease production by immobilized cells of <i>Bacillus pumilis</i> MTCC 2296 in various matrices Deepika Kumari, Neetu Sharma, Gulab Pandove, Varenyam Acha	8 – 10
	Deepika Ramari, Neeta Sharma, Gulao Fandove, Varenyam Zena	
3	AFLP analysis of genetic relationships and diversity of some Chinese Osmanthus fragranscultivars Xueyan Yan, Baolin Xiao, Yuanji Han, Wangjun Yuan, Fude Shang	11 – 16
4	Development of core collection using morphological descriptors in Sweet osmanthus (Osmanthus fragrans Lour.) germplasm Wangjun Yuan, Jinsheng Lei, Yuanji Han, Xueyan Yan, Fude Shang	17 – 22
	a.,,,,,,, .	
5	Enhancement of enzyme cytotoxicity mediated by HIV-1 TAT protein with Gly4 linker <i>in vitro</i> : a study with TAT-TK fusion construct	23 – 28
	Zhe Wang, Zujiang Yu, Quancheng Kan, Jie Zhao, Heqing Jiang, Xiaofei Li	
6	Randomness-induced evolution of the first-order to the second-order phase transition in two-dimensional six-state potts model	29 – 32
	Chiachi Shih, Shingmin Hu, Muhsin Chen, Shuanyu Huang	
7	Pulmonary functions and blood biochemical markers for workers with and without coal worker pneumoconiosis	33 – 39
	Qinghan Jin, Ailin Liu, Qinghai Li, Shaohua Xie, Enguang Wan, Shaohui Zhang, Yinfeng Tan, Xiaofeng Li, Hong Xie, Wenqing Lu	
8	Study of the influence of environmental tobacco smoke to trachea and lung of the animal model	40 – 42
	Shuling Wang, Tianqi Wang, Shen Cherng	
9	Clinical efficacy study of pelvic floor electrical stimulation for idiopathic detrusor overactivity and urodynamic stress incontinence	43 – 47
	Huifan Liu, Qingwei Wang, Yan Qi, Ruili Zhang, Shuqiang Zuo, Xiaojin Wang, Jinxing Wei, Jianguo Wen	
10	Expression of androgen receptor mRNA affected by the functions of lung and	48 – 50
	trachea in animal model of Kunming mouse Shuling Wang, Xiufang Chen	
11	Study of plasma levels of ApoA-I and ApoB for prognosis of acute ischemic stroke Zhuo Li, Yuming Xu, Song Tan, Bo Song, Ming Liu	51 – 56
	Zinao Zi, I aining Au, Jong Tun, Do Jong, ming Liu	
12	Somatic embryogenesis and <i>in vitro</i> regeneration of an endangered medicinal plant sarpgandha (Rauvolfia serpentina L.)	57 – 62
	Prabhat Singh, Anand Singh, Arvind K. Shukla, Lalit Singh, Veena Pande, Tapan K.	

13	Study of the risk factors of postoperative upper gastrointestinal bleeding of percutaneous coronary interventional therapy Zhenxiang Zhang, Wei Zheng, Junling Li	63 – 64
14	The effect of high frequency stimulation on intracellular Ca2+ in sympathetic PC12 cells Yan Wo, Rong Xia, Feng Li, Wenlong Ding	65 – 70
15	Study on phylogenetic relationship of freshwater planarians (Turbellaria: Tricladida: Paludicola) in nine Chinese localities using RAPD method Hecai Zhang, Guangwen Chen, Xiaojuan Sun, Cunshuan Xu	71 – 75
16	Therapeutic effect of L-carnitine on sialic acid, soluble Fas (sFas) and other biochemical variables in hyperinsulinemic rats Mohamed H. Mahfouz, Hala M. Ghanem, Mona A. Mohamed	76 – 82
17	Using technique of Video-Assistant Thoracic Surgery (VATS) and small incision for diagnosis and treatment of pleurapulmonary diseases under local anesthesia Yanzheng Song, Karni S. Moshal, M.J. Krasna	83 – 87
18	The design of home care assistant system by the ZigBee technology Chienyuan Liu	88 – 93
19	Author index and subjects index	94

(Acta Zhengzhou University Overseas Edition)

Call for Papers

The academic journal "*Life Science Journal*" (ISSN: 1097-8135) is inviting you to publish your papers.

Life Science Journal, the Acta Zhengzhou University Oversea Version registered in the United States, is an international journal with the purpose to enhance our natural and scientific knowledge dissemination in the world under the free publication principle. The journal is calling for papers from all who are associated with Zhengzhou University-home and abroad. Any valuable papers or reports that are related to life science-in their broadest sense-are welcome. Other academic articles that are less relevant but are of high quality will also be considered and published. Papers submitted could be reviews, objective descriptions, research reports, opinions/debates, news, letters, and other types of writings. Let's work together to disseminate our research results and our opinions.

Please send your manuscript to editor@sciencepub.net.

Address:

Life Science Journal - Acta Zhengzhou University Overseas Edition

Marsland Press

PO Box 180432, Richmond Hill, New York 11418, USA

Telephone: (347) 321-7172

Emails: editor@sciencepub.net; sciencepub@gmail.com; lifesciencej@gmail.com;

Website: http://www.lifesciencesite.com

Marsland Press

PO Box 180432, Richmond Hill, New York 11418, USA

Website:

http://www.sciencepub.net

Emails:

editor@sciencepub.net sciencepub@gmail.com

Phone: (347) 321-7172

