## **CONTENTS**

1.	Changes in pharmacokinetics in the elderly and therapeutic drug monitoring of antiarrhythmic drugs	1 – 7
	Lexin Wang	
2.	Comment: COX-2 and VEGF inhibitors could be considered as clinical treatment and prevention on the esophageal carcinoma	8 – 10
	Hongbao Ma	
3.	Changes of COX-2 and VEGF expressions in esophageal precancerous and cancerous lesions from the patients at high incidence area in Henan province	11 – 14
	Guolan Xing, Lidong Wang, Nengchao Wang, Wei Wen, Ken Qin, Zongmin Fan, Jilin Li, Mei Zhang, Aiqun Wu	
4.	Hypermethylation of tumor suppressor genes in carcinogenesis of human gastric cardia adeno- carcinoma	15 – 18
	Mei Zhang, Lidong Wang, Junkuan Wang, Huifang Wu, Hanbing Li, Guolan Xing, Aiqun Wu, Xiaoshan Feng, Baochi Liu, Zongmin Fan, He Xin	
5.	Lumbar 5 spinal nerve ligation induced PI3K-PKB/Akt signal pathway activation in dorsal root ganglia in rats	19 – 24
	Jitian Xu, Sufang Kong, Huiyin Tu, Hongkun Fan, Caihong Zhai	
6.	Effects of angiotensin (1-7) on the expression of tissue factor induced by angiotensin II and its mechanism in vascular endothelial cells	25 – 27
	Hui Zhang, Huiyin Tu, Zhibin Wen, Xiaofan He, Shilin He	
7.	Isolation, culture and identification of microcystis in source water	28 – 32
	Songqin Yang, Ling Dong, Chunxia Jiang, Xuemin Cheng, Huizhen Zhang, Liuxin Cui	
8.	Review on thyroid carcinoma of molecular pathology	33 – 36
	Qiwei Ren, Zhiying Guo, Xu Wang	
9.	Physiological response of laying birds to Neem ( <i>Azadirachta indica</i> ) leaf meal-based diets: body weight organ characteristics and haematology	37 – 41
	Babington Esonu, Maxwel Nwachukwu Opara, Ifeanyi Charles Okoli, Helen Obie Obikaonu, Chidi Udedibie, Oscar Okey Martin Iheshiulor	

10.	Development of a Real-time TaqMAN probe PCR assay for the detection of bacteroide	42 - 45
	Guoqiang Wang, Yu Luo	
11.	The combination of hydration and antiemetics in controlling chemotherapy induced delayed nausea and vomiting	46 – 49
	Khurana Aseem M, Yun Wang, Yuanyuan Ji, Xianbin Liang, Xingya Li	
12.	Effects of the pathogen infection-related genes on rat liver regeneration following 2/3 hepatectomy	50 – 55
	Hongpeng Han, Lianxing Zhang, Cunshuan Xu	
13.	Oligonucleotide microarray for detection of the hereditary liver diseases-associated genes in rat liver regeneration	56 – 63
	Zikuo Tang, Shoubing Zhang, Cunshuan Xu	
14.	Bioavailability of cadmium and zinc following salinization of a degraded Isohyperthermic Arenic Kandiudult	64 – 68
	Emmanuel Uzoma Onweremadu	
15.	Genetic diversity of different cultivars in <i>Rehmannia glutinosa Libosch .f. hueichingensis (Chao et Schih</i> ) Hsiao	69 – 75
	Yanqing Zhou, Jianjun Li, Fang Wang, Fengping Gu, Chune Zhou, Zhongyi Zhang, Zhiming Gao	
16.	The many "faces" of biotechnology Abraham Tamir	76 – 77
17.	Fungal treatment of industrial effluents: a mini-review	<b>78 – 81</b>
	Ashutosh Kumar Tripathi, Nirmal Sudhir Kumar Harsh, Nutan Gupta	
18.	Graded replacement of inorganic fertilizer with organic manure for sustainable maize production in Owerri Imo State, Nigeria	82 – 87
	Izuchukwu Innocent Ibeawuchi, Faith Amarachi Opara, Christian Thaddeus Tom, Julius Chiedozie Obiefuna	
19.	A hypothetic universal PCR: implication for the rapid detection of major pathogenic bacteria in milk Xiaofeng Ren, Jiechao Yin, Guicheng Huo, Guangxing Li	88 – 89
20.	Recognition of ST segment of electrocardiogram based on wavelet transform Li Shi, Cenyu Yang, Jinying Zhang, Hui Li	90 – 93
21.	Author index and subject index	94

*On the cover:* The panels showed the results of double immunofluorescence staining in L5 dorsal root ganglia between p-PKB/Akt (red; B, E, H) and NF-200 (green; A), IB4 (green; D) and GFAP (green; G). Images between panels A and B, D and E, G and H were merged in panels C, F and I. See *Lumbar 5 spinal nerve ligation induced P13K-PKB/Akt signal pathway activation in dorsal root ganglia in rats* by Jitian Xu, *et al*, page 19 – 24 in this issue.