# CONTENTS

1. **Changes in pharmacokinetics in the elderly and therapeutic drug monitoring of antiarrhythmic drugs**  
Lexin Wang  
1 – 7

2. **Comment: COX-2 and VEGF inhibitors could be considered as clinical treatment and prevention on the esophageal carcinoma**  
Hongbao Ma  
8 – 10

3. **Changes of COX-2 and VEGF expressions in esophageal precancerous and cancerous lesions from the patients at high incidence area in Henan province**  
Guolan Xing, Lidong Wang, Nengchao Wang, Wei Wen, Ken Qin, Zongmin Fan, Jilin Li, Mei Zhang, Aiqun Wu  
11 – 14

4. **Hypermethylation of tumor suppressor genes in carcinogenesis of human gastric cardia adenocarcinoma**  
Mei Zhang, Lidong Wang, Junkuan Wang, Huifang Wu, Hanbing Li, Guolan Xing, Aiqun Wu, Xiaoshan Feng, Baochi Liu, Zongmin Fan, He Xin  
15 – 18

5. **Lumbar 5 spinal nerve ligation induced PI3K-PKB/Akt signal pathway activation in dorsal root ganglia in rats**  
Jitian Xu, Sufang Kong, Huiyin Tu, Hongkun Fan, Caihong Zhai  
19 – 24

6. **Effects of angiotensin (1-7) on the expression of tissue factor induced by angiotensin II and its mechanism in vascular endothelial cells**  
Hui Zhang, Huiyin Tu, Zhibin Wen, Xiaofan He, Shilin He  
25 – 27

7. **Isolation, culture and identification of microcystis in source water**  
Songqin Yang, Ling Dong, Chunxia Jiang, Xuemin Cheng, Huizhen Zhang, Liuxin Cui  
28 – 32

8. **Review on thyroid carcinoma of molecular pathology**  
Qiwei Ren, Zhiying Guo, Xu Wang  
33 – 36

9. **Physiological response of laying birds to Neem (Azadirachta indica) leaf meal-based diets: body weight organ characteristics and haematology**  
Babington Esonu, Maxwel Nwachukwu Opara, Ifeanyi Charles Okoli, Helen Obie Obikaonu, Chidi Udedibie, Oscar Okey Martin Iheshiulor  
37 – 41
10. Development of a Real-time TaqMAN probe PCR assay for the detection of bacteroide
Guoqiang Wang, Yu Luo

42 – 45

11. The combination of hydration and antiemetics in controlling chemotherapy induced delayed nausea and vomiting
Khurana Aseem M, Yun Wang, Yuanyuan Ji, Xianbin Liang, Xingya Li

46 – 49

12. Effects of the pathogen infection-related genes on rat liver regeneration following 2/3 heptectomy
Hongpeng Han, Lianxing Zhang, Cunshuan Xu

50 – 55

13. Oligonucleotide microarray for detection of the hereditary liver diseases-associated genes in rat liver regeneration
Zikuo Tang, Shoubing Zhang, Cunshuan Xu

56 – 63

14. Bioavailability of cadmium and zinc following salinization of a degraded Isohyperthermic Arenic Kandiudult
Emmanuel Uzoma Onweremadu

64 – 68

15. Genetic diversity of different cultivars in Rehmannia glutinosa Libosch . f. hueichingensis (Chao et Schih) Hsiao
Yanqing Zhou, Jianjun Li, Fang Wang, Fengping Gu, Chune Zhou, Zhongyi Zhang, Zhiming Gao

69 – 75

16. The many “faces” of biotechnology
Abraham Tamir

76 – 77

17. Fungal treatment of industrial effluents: a mini-review
Ashutosh Kumar Tripathi, Nirmal Sudhir Kumar Harsh, Nutan Gupta

78 – 81

18. Graded replacement of inorganic fertilizer with organic manure for sustainable maize production in Owerri Imo State, Nigeria
Izuchukwu Innocent Ibeawuchi, Faith Amarachi Opara, Christian Thaddeus Tom, Julius Chiedozie Obiefuna

82 – 87

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 PI3K-PKB/Akt signal pathway activation in dorsal root ganglia in rats by Jitian Xu, et al, page 19 – 24 in this issue.