

CONTENTS

Y.V. Goshovska, Y.P. Korkach, T.V. Shimanskaya, A.V. Kotsuruba, V.F. Sagach. Effects of genipin on no synthesis and ishemia/reperfusion-induced oxidative stress in old rat hearts	3
R.B. Strutynskyi, A.V. Kotsiuruba, A.P. Neshcheret, A.N. Shysh, R.A. Rovenets, A.A. Moibenko. Cardioprotective effects of activation of ATP-sensitive potassium channels in experiments in vivo: influence on biochemical parameters of blood following ischemia-reperfusion of myocardium.	12
A.P. Neshcheret, Z.Yu. Tkachuk, A.A. Moibenko Effects of RNA on circulation and its adrenergic and cholinergic regulation	20
I.B. Phylippov , I.A. Vladimirova, E.M. Kulieva, R. Skryma, N. Prevarskaya, Ya.M. Shuba. Modulation of the contractions of the smooth muscles of the rat vas deferens by TRPM8 channel activator menthol	30
I.P.Pasteur, I.A.Balla, M.D.Tronko. Histological and hormonal characteristic of microencapsulated human parathyroid tissue in long-term culture	41
B. S. Sushko. The behavioral features in mice induced by somatic and visceral pain under influence of short immobilization stress	48
Z.A.Gorenko, L.S.Karbovska, Sepideh Parchami Ghazaee Mehdi, I.A.Lukyanenko, S.P.Veselsky. The effect of desmopressin on changes of bile acids specter in rat's bile	55
I. V. Strielkov, A.S.Khoromov. Hypoxic pulmonary hypertension: the role of phosphatidylcholine-specific phospholipase C	63
R.Vaiculyte, R.Lekas, G.Civinskiene, A.Laukeviciene, J.Bernatoniene, V. Giedrimas, J. Andriuskevicius. Effects of cardioelectrostimulation and chemical reagents on autonomic nervous regulation of heart rate	69
J. Khalili, H. F. Biloklytska. Influence of supplementary vitamins and minerals on lipid peroxidation and redox state in heart, kidney and liver from rats exposed to fluoride	75
A.G.Yashchenko, O.M. Vdovitchenko. Gender peculiarity of physical development and functional state of cardiac-vascular system in the children of 12 years old	81
T. M. Myshunina, O. V. Kalinichenko, M. D. Tron'ko. Mechanism of apoptosis in the thyroid cells under thyroid pathology	90
International Conference «Molecular mechanisms of intracellular calcium signalling»	103
JUBILEE DATES	
O.G. Reznikov (on the 70-th Aniversary of His Birthday)	143
V.M.Storozhuk (on the 80-th Aniversary of His Birthday)	146