

Contents

Ju.P. Korkach, A.V.Kotsuruba, O.D. Prysyzhna, L.D. Mogylnytska, V.F.Sagach. NO-dependent mechanisms of ecdysterone protective action on heart and vessels at streptozotocin-induced diabetes mellitus in rats	3
O.A. Fedorenko, D.E. Duzhyi , S.M. Marchenko. Nuclear ion channels of the granule cells from the dentate gyrus	9
S.A. Talanov, M.N. Tkachenko, O.V. Baziljuk, L.G. Stepanenko, V.F. Sagach. Influence of enalapryl on vascular motor reactions of rats with chronic deficiency of dopamine in the mesencephalo-striatal system	16
T.M.Hurlenko, O.K. Voronina, V.M.Grischuk, G.M.Tolstanova, M.E.Dzerzhins'kiy, T.V.Beregova. Changes in functioning of colonic epithelium transport system and mucosal morphological indexes in rats with omeprazole-induced hypergastrinemia of different length.	23
N.M. Yatsenko, T.S. Tsintsadze, N.A. Lozovaya. The synthetic cannabinoid agonist WIN 55,212-2 potentiates the amplitudes of glycine-activated currents.	31
N.M. Voronich-Semchenko. Features of correction of hypothyrosis and lipid metabolism disturbances under iodine deficiency condition	38
L. Gunina, S. Oliynyk, S. Ivanov. Biochemical and structural-functional particularities of erythrocyte membranes' under anemia in sportsmens	43
B.S.Sushko, Yu.P.Limansky, S.O.Gulyar. Action of the red and infrared electromagnetic waves of light-emitting diodes on the behavioral manifestation of somatic pain	51
I.V.Kuznetzova, D.A.Evstigneev, N.V.Gluhova. Prolonged after-potentials of myelinated nervous fibres of amphibian after blockage of potassium channels by 4-aminopyridine	61
M.R.Gzhegotsky, L.V.Panina, O.I.Terletska, S.M.Kovalchuk. Functional-metabolic basis of nitric oxide derivatives modulatory influence in brain under the condition of hemic hypoxia	70
O.V.Kislova, A.L.Sapaty, I.G.Kupnovitska, O.O.Moibenko. Correction of endothelial dysfunction resulting from x-irradiation by free and filled liposomes quercetin.	78
REVIEW	
R.I.Yanchiy, T.Yu.Voznesenska, O.A.Shepel. Cytokines and their role in reproductive system	82