

CONTENTS

R.R. Sharipov, A.V. Kotsuruba , B.S. Kopyak, V.F. Sagach. Induction of nitrosative stress in mitochondria of rats hearts in experimental ischemia–reperfusion of the brain and its correction by ecdysterone	3
H.S. Maslak, O.V. Kostiuk, D.O. Minchenko, O.Z. Brazaluk, A.I. Shevtsova, O.H. Minchenko. Glicoprotein sialylation and NEU1 and ST6GAL1 expressions in erythremia disease	14
V.I. Portnichenko, V.I. Nosar, O.A. Gonchar, G.V. Apanasenko, I.G. Glazyrin, I.N. Mankovskaya. Phase changes of energy metabolism during adaptation to immobilization stress	23
O.V. Kolomiets, Yu.V. Danylovyh, G.V. Danylovyh. H ⁺ –Ca ²⁺ -exchanger in the myometrium mitochondria: modulation of exogenous and endogenous compounds	33
K.V. Rozova, N.G. Sydoryak. Mechanisms of changes of microcirculation in rats under acute methemoglobinemia	43
O.V. Bondarenko, N.M. Hula, M.Yu. Makarchuk, T.M. Horid'ko, O.A. Kovalenko. Effects of N-stearoylethanolamine on the emotionality and learning ability of rats	52
L.S. Nasibyan, I.B. Philyppov. Modulation of rat myometrium contractile activity by peptidocyan of Staphylococcus aureus cell wall	62
A.B.Kotliarova, V.M. Merlavs'ky, O.M. Dorosh, V.V. Manko. The role of calcium uniporter in calcium-homeostasis of the exorbital lacrimal gland secretory cells	73
N.M. Shpakova, E.E. Nipot, I.O. Ishchenko, S.V. Prylutska, K.I. Bogutska, V.V. Cherepanov, B.P. Sandomirskiy, Yu.I. Prylutskiy. Effect of C ₆₀ fullerene on viscoelastic properties of human erythrocytes membrane	82
Yu.O Bozhkova , V.V Kiroshka , A.A. Havas , V.A. Bondarenko. Dynamics of structural change of ovarian tissue under ischemia	89
A.M. Manko, K.S. Neporada, A.A. Sukhomlyn, J. Ghasemzadeh, T.V. Beregova, D.S. Yankovskiy. Experimental correction of metabolic changes in mouth at long-term hypoacidity by multiprobiotic «symbiter acidophilic»	99
N.F. Velichko. Peculiarities hormonal metabolic changes in adult male rats under effect of emotional stress during dairy feeding	105