

CONTENTS

S.V. Goncharov, G.V. Portnichenko, L.V. Tumanovs'ka, D.O. Pashevin, M.O. Kuzmenko, O.O.Moibenko, V.E. Dosenko. Effect of quercetin on proteasome activity in the aorta and heart tissues of spontaneously hypertensive rats	3
R.R. Sharipov, A.V. Kotsiuruba , B.S. Kopyak, V.F. Sagach. Induction of oxidative stress in heart mitochondria of brain focal ischemia-reperfusion and protective effect of ecdysterone	11
Y.M. Kolesnyk, M.Y. Kolesnyk, A.V. Abramov. Pathological remodeling of myocardium in spontaneous hypertensive rats with experimental diabetes mellitus: the role of mitochondrial dysfunction	18
D.O. Pashevin, S.V.Goncharov, L.V. Tumanovska, V.E. Dosenko, O.O. Moibenko. The changes in the activity of tripeptidyl peptidase ii in experimental atherosclerosis and hypertension	27
O. V. Maksymchuk. The influence of omega-3 polyunsaturated fatty acids on the expression of enzymes of the pro-oxidant and antioxidant systems in the rat liver	32
T.V. Vovkun, P.I. Yanchuk, L.Y. Shtanova, S.P. Veselskyy, V.A. Baranovskyy. Changes in gastric functions in rats after intragastric introduction of corvitin at high doses	38
I.P.Vasheka, S.P.Veselsky, Z.A.Gorenko, O.A.Grinchenco, L.S.Karbovska, M.Y.Makarchuk. The influence of amylin on the bile acid spectrum in rats	46
V.A. Berezovskii, L.N. Plotnikova, S.P. Veselskii, I.G. Litovka. The influence of low partial oxygen pressure on the biological process of mesenchymal stromal cells	54
O.P. Gadiliya, M.O. Timoshenko, K.O. Dvorschenko, L.I. Ostapchenko, V.V. Vereshaka. Effects of 2-(2-hydroxyphenoxy) acetyl-l-prolinat sodium on antioxidant defense system of the gastric mucosa of rats under conditions of stress action	60
O.Yu. Iefimenko, I.O. Savchenko, T.M. Falalyeyeva, T.V. Beregova, O.B. Shcherbakov, V.K. Ivanov, N.M. Zholobak, Yu.V. Malyukin, M.Ya. Spivak. The influence of nanocrystalline cerium dioxide on motor function of the stomach and colon in rats	67
O.O. Lunko, D.S. Isaev, O.P. Maximyuk, O.A. Krishtal, E.V. Isaeva. The effect of enzymatic treatment using proteases on properties of persistent sodium current in cal pyramidal neurons of rat hippocampus	75
V.A. Makarchuk, O.V. Zeleniuk, G.O. Ushakova. The activity of hyaluronate-binding proteins in the brain and pancreas during experimental chronic pancreatitis in rats	80
I.V. Vereshchaka, A.V. Lehedza, M. Dornowski, A.V. Gorkovenko, V.I. Khoryevin. The activity of muscles of the shoulder girdle and shoulder during the constant isometric efforts of the wrist	89
ANNIVERSARIES	98