

## Contents

<i>V.V. Bezrukov, O.F. Vozianov, P.G. Kostyk, O.O. Moibenko, V.F. Sagach, M.M. Tkachenko I.M. Trakhtenberg</i> Talent and humanity. V. V. Frolkis. On the 80th anniversary of his birthday	5
<i>A.A. Moibenko, V.F. Sagach, M.N. Tkachenko, O.V. Korkushko, V.V. Bezrukov, O.K. Kulchitsky, A.V. Stefanov, A.I. Soloviev, L.T. Malaya, V.V. Frolkis</i> Study into basic mechanisms of the effects of nitric oxide on cardiovascular system as a basis for pathogenetic treatment of related diseases	11
<i>A.I. Bondarenko</i> Effect of sodium-calcium exchanger blockers on acetylcholine-induced hyperpolarization of endothelial cells from excised rat aorta.	31
<i>O.V. Korkushko, Yu.T. Yaroshenko</i> Critical points of an exercise in apparently healthy men depending on age and level of physical activity according to cross-sectional study	39
<i>V. P. Lyashenko, S. N. Lukashev</i> Effect of enalapryl, the blocker of angiotensin converting enzyme, on the lipid spectrum of blood and calcium contents in the aorta and liver in stress condition	46
<i>L. M. Zayats</i> Changes in superficial activity of the lungs surfactant and the ultrastructure of alveolocytes of the ii type under the action of sulfur dioxide	52
<i>T.I. Tavalzshanova, K.V. Rozova</i> Influence of thermodestruction products of synthetic materials on external respiration and acid-base blood values	57
<i>E.N. Chuyan, N.A. Temuryants, O.B. Moskovchuk</i> The change of infradian rhythmicity of the open – field behavior of rats under the influence of EHF – waves	60
<i>G.S. Perederiy, V.V. Ivanov</i> Features of vegetative regulation in miners working in heavy conditions of coal mines	66
<i>A.O. Korkushko</i> Effect of coherent and non-coherent laser emission on cardiovascular system.	75
<i>S.N. Vadzyuk, O.M. Ratynska</i> The neuro-dynamical characteristics of the higher nervous activity of senior pupils under the different weather types	81
<i>V.S. Nedzvetsky</i> The state of glial intermediate filaments and learning of rats with experimental diabetes	85

## Jubilee dates

## Chronicles