

## Contents

V.V.Yarotskyy, V.F.Sagach, S.M.Marchenko The influence of cyclic nucleotides on the membrane potential of intact endothelium of isolated rabbit aorta . . . . .	3
O.Yu.Garmatina, V.I.Azarov, A.A.Moibenko Effects of no donor sin-1 on rats cardiac sarcoplasmic reticulum calcium transport . . . . .	10
M. G. Moldavan, A. A. Grodzinskaya, E. F. Solomko, M. L. Lomberh, S. P. Wasser, V. M. Storozhuk The effect of Psilocybe cubensis extract on hippocampal neurons in vitro . . . . .	15
I.M.Trofimova, V.E.Dosenko, Yu.V.Byts Activity of elastase and its inhibitors in tissues of aorta and blood serum in different types of acidosis . . . . .	24
O.V. Sachinska The content of biopolymers in the rat prostate under combined agonist lh-releasing hormone and androgen receptor blocker treatment . . . . .	30
V.V. Loginov, V. F. Rusyaev, S.I. Shpak, V.S Shpak Influence mm-waves radiation on the coagulation and fibrinolytic property blood . . . . .	35
V.V.Hrapak, S.A.Oliynyk, V.Ye.Shevchenko, N.I.Shtemenko, A.V.Shtemenko Correlation-regressive and pharmacological analys of butane acid derivates antihypoxic action . . . . .	39
V.F. Kovalenko, R.V. Aniskina – Levchuk The prooxidation - antioxidation status of “mother – foetus” system . . . . .	44
O.B. Priyma The changes of the contain of non – enzymatic cationic proteins and the degree of damage in leucocytes in the rabbits with haemorrhages . . . . .	50
L.V.Nazarchuk, A.I.Koval Blood antipseudomonas preparanion protective activity . . . . .	55
P.V.Tsvilikhovskii, M.I. Usatiuk, A.Aniefiok, D.O.Melnichuk Dynamics of proteins spectra of cattle blood plasma at neonatal ontogenesis in norm and diarrhea . . . . .	58
Yu. Liakh, A. Chernyak, V. Guryanov, Yu.Vikhovanets Simulation by the neural networks of successfulness of done work by the person . . . . .	63

## Reviews

V.E. Dosenko, D.I.Goldenberg The role of $\gamma$ - $\delta$ T-lymphocytes in normal and pathologic condition . . . . .	71
P.N. Schevchuk, V.K. Rybalchenko The mechanisms of generation of the calcium signals in the exocrine acinar cells . . . . .	86

## Jubilee Dates

Ruslan Fedorovych Makul`kin (on the 70-th Aniversary of His Birthday) . . . . .	97
Vasyl` Maksymovych Moroz (on the 60-th Aniversary of His Birthday) . . . . .	99

## Comments

101