

Contents

Part 1. Veterinary medicine

Vygovska L. M.

DETERMINATION OF ANTIBIOTIC SUSCEPTIBILITY OF *LISTERIA* SPP. 5

Ponomarenko M. G., Kornienko V. I., Ponomarenko O. V.,
Duchenko Ye. A., Ladohubets Ye. V., Harkusha I. V.

DEPENDENCE OF GENERAL ACTION AND ACUTE TOXICITY
ON CHEMICAL STRUCTURE IN A ROW OF NEW DERIVATIVES
OF 3-METHYL-7-SUBSTITUTED-8-N-ETHYL PIPERAZIN XANTHINE 10

Bobrytska O. M., Karpovskyi V. I., Yuhai K. D., Vodopianova L. A.

EXPERIMENTAL JUSTIFICATION FOR THE USE OF BIORESONANCE
METHOD OF ASSESSING THYROID FUNCTION IN DOGS 14

Part 2. Biotechnology and genetics

Kovalenko L. V., Solodiankin O. S., Stegnyy B. T., Gerilovych A. P., Muzyka D. V.,
Stegnyy M. Yu., Obukhovska O. V., Shutchenko P. O., Lillehoj H. S.

EFFECT OF PHYTONUTRIENT ‘VITASTIM’ ON CHICKEN MUCOSAL
IMMUNITY AGAINST LOW PATHOGENIC AVIAN INFLUENZA VIRUS H4N6 17

Antonenko P. P., Kovaleva I. V., Pushkar T. D., Timchenko O. V.

INFLUENCE OF PHYTOADDITIVES AND SODIUM SELENITE
ON INDEX OF NATURAL RESISTANCE OF LAYING HENS 25

Fedota O. M., Puzik N. G., Ruban S. Yu., Kolisnyk A. I.

EFFECT OF COW GENOTYPE BY SNPS *L127V/GH*, *F279Y*, *A257G/GHR* AND
BIRTH DATE ON CALF GROWTH PERFORMANCE OF ABERDEEN-ANGUS 29

Part 3. Biosafety

Ushkalov V. O., Novgorodova O. Yu.

DEVELOPMENT DIRECTIONS OF LABORATORY INFRASTRUCTURE
SUPPLY IN AGRICULTURAL PRODUCTION 37

Part 4. Brief communications

Yilmaz H., Turan N., Yilmaz A., Richt J. A.

LUMPY SKIN DISEASE: CURRENT EPIDEMIOLOGICAL SITUATION
AND PREVENTION IN TURKEY AND NEIGHBORING COUNTRIES 42

Turan N., Ozsemir C., Yilmaz A., Cizmecigil U. Y., Aydin O., Ozsemir K., Ozsoy S., Iqbal M., Tali H. E., Tekelioglu B. K., Kutukcu A., Richt J. A., Yilmaz H.
FREQUENCY AND GENOTYPES OF AVIAN INFLUENZA VIRUS (AIV) AND NEWCASTLE DISEASE VIRUS (NDV) IN MIGRATORY PASSERIFORM AND NONPASSERIFORM BIRDS, AND DUCKS IN ISTANBUL, TURKEY 42

Sidamonidze K., Ramishvili M., Malania L., Zhgenti E., Donduashvili M., Nikolaishvili M., Vepkhvadze N., Kokhreidze M., Avaliani L., Imnadze P.
MOLECULAR TECHNIQUES FOR DIAGNOSIS AND CONTROL OF HUMAN AND ANIMAL *BRUCELLA* ISOLATES FROM GEORGIA 43

Sahin M., Celebi O., Coskun M. R., Saglam A. G., Celik E., Otlu S., Akça D., Dogan A. N. C., Buyuk F.
A MULTIFACETED BATTLE AGAINST ANTHRAX IN EASTERN PART OF TURKEY IN WHERE ANTHRAX IS ENDEMIC 44

Schelkle B., Choi Y., Baillie L. W., Richter W., Buyuk F., Celik E., Wendling M., Sahin M., Gallagher T.
***CAENORHABDITIS ELEGANS* PREDATION ON *BACILLUS ANTHRACIS*: DECONTAMINATION OF SPORE CONTAMINATED SOIL WITH GERMINANTS AND NEMATODES 44**