

CONTENTS

Review article

1. E. Herbut, E. Sosnówka-Czajka, J. Walczak — Colour vision in pigs and poultry 187

Genetics and farm animal breeding

2. I. Rozempolska-Rucińska, G. Jeżewska, G. Zięba — Genetic improvement of reproductive traits in chinchillas 195
3. M. Bugno, A. Pieńkowska-Schelling, C. Schelling, N. Włodarczak, E. Słota — Utilization of the probe generated by chromosome microdissection, for detection of equine X chromosome aneuploidy 205
4. T. Ząbek — Evaluation of seven STR systems in four horse breeds for parentage testing 211
5. B. Danielak-Czech, E. Słota, M. Bugno, A. Pieńkowska-Schelling, C. Schelling — Application of chromosome microdissection and chromosome painting techniques for reciprocal translocations diagnosis in pigs 219
6. A. Kozubska-Sobocińska, E. Słota, M. Pakusiewicz — Comparison of the G-banded karyotype of the fallow deer (*Dama dama*) and sheep (*Ovis aries*) 225
7. M. Natonek-Wiśniewska, E. Słota — Adjusting the method of meat-and-bone meal identification in feed mixtures to species identification of blood plasma and food products 233
8. P. Krzyżcin — Antigenic markers of sheep plasma globulins in predicting resistance to mammary gland infections 239
9. A. Stachurska, M. Pięta — Is there a relationship between coat colour, age and racing performance in horses? 249
10. S. Kamiński, P. Brym, A. Ahman, A. Ruść, E. Wójcik — Microarray of SNPs for diverse applications in Holstein-Friesian cattle breeding 257
11. A. Mucha, M. Szyndler-Nędza — Correlations between backfat thickness and loin eye area measurements and fatness and muscling of cuts in line 990 × Pietrain pigs 265
12. M. Szyndler-Nędza, A. Mucha — Changes in boar backfat and loin muscle thickness as related to body weight and carcass meat percentage 271
13. A. Łyczyński, E. Pospiech, G. Runowska, E. Rzosińska, B. Mikołajczak, B. Grześ, E. Iwańska, M. Koćwin-Podsiadła — Pork meat quality in line 990 and 890 pigs compared with Danish crossbred pigs [(L × Y) × Du] 277
14. A. Kawęcka, P. Paraponiak — Evaluation of meat and milk from sheep of different breeds and their crosses, kept under ecological conditions 283

Biology, physiology and animal reproduction

15. O.E. Evenko, N.A. Suntsova, V.Z. Gazizov, B. Barabasz — Concentration of some minerals in the serum, whole blood and hair of juvenile raccoon dogs with fur defects before and after injection of Sedimine 293

Animal nutrition and feedstuffs

16. K. Bilik, Z. Choroszy, B. Choroszy, M. Łopuszańska-Rusek — Effect of type of feed and breed of cattle on productive indicators and the chemical composition of beef 301

Environment, hygiene and animal production technology

17. P. Herbut, W. Bieda — Analysis of air movement between broiler farm buildings in calm wind conditions 313
18. W. Bieda, G. Nawalany — Effect of broiler-house stocking density on temperature of bedding and thermal conditions in the living area of birds 321
19. B. Pilarczyk, A. Balicka-Ramisz, A. Ramisz, Ł. Laurans — Effect of Baycox coccidiostat on coccidia infection in pigeons 331