

Contents

Original papers

1. Amrit Kaur BANSAL, Gurmail Singh BILASPURI – Antioxidant effect of vitamin E on motility, viability and lipid peroxidation of cattle spermatozoa under oxidative stress 5
2. Małgorzata MOREK-KOPEĆ, Andrzej ŻARNECKI, Wojciech JAGUSIAK – Associations between somatic cell score of milk and fertility traits in Polish Holstein-Friesian cows 15
3. Witold KĘDZIERSKI, Iwona JANCZAREK – Sex-related effect of early training on stress in young trotters as expressed by heart rate 23
4. Janusz Leszek SOKÓŁ, Ewa SAWOSZ, Tomasz NIEMIEC, Katarzyna MAJCHRZAK, Szczepan CHRZANOWSKI, Anna LOJEK, Andre CHWALIBOG – Taurine protects DNA of lymphocytes against oxidative alteration in riding horses 33
5. Władysław KORDAN, Agata MALINOWSKA, Marzena MOGIELNICKA, Marek LECEWICZ – Application of mass spectrometry (MS) in the structural analysis of selected polypeptides of boar seminal plasma obtained after two-dimensional electrophoresis (2-D PAGE) 41
6. Andrzej ŁYCZYŃSKI, Grażyna RUNOWSKA, Edward POSPIECH, Maria KOĆWIN-PODSIADŁA, Janusz WOJTCZAK, Ewa RZOSIŃSKA, Bożena GRZEŚ, Beata MIKOŁAJCZAK, Ewa IWAŃSKA – Estimation of selected porcine meat quality indicators on the basis of electrical conductivity measured 24 hours post-slaughter 51
7. Magdalena BRYŁA, Monika TRZCIŃSKA, Jarosław WIECZOREK – Analysis of *in vivo*- and *in vitro*-derived pig expanded blastocysts based on DNA fragmentation 59
8. Elżbieta WIRTH-DZIĘCIOŁOWSKA, Jadwiga KARASZEWSKA, Kazimiera PYŚNIAK, Małgorzata SMOLIŃSKA, Marta GAJEWSKA – Selected peripheral blood cell parameters in twelve inbred strains of laboratory mice 69