

Animal Science Papers and Reports
vol. 33 (2015)

No. 1

Original articles

1. Ewa OSIŃSKA, Małgorzata GAJEWSKA, Alicja MAJEWSKA, Tomasz MOTYL
– Quantification of bovine mammary stem/progenitor cells by laser scanning
and flow cytometry 5
2. Urszula CZARNIK, Janusz STRYCHALSKI, Kamil OLEŃSKI, Marta BARCEWICZ,
Dorota Maria HERING, Paulina PUCKOWSKA, Mariusz PIERZCHAŁA,
Paweł URBANŃSKI, Chandra Shekhar PAREEK – The effect of insertion/deletion
polymorphisms within the promoter and intron 1 sequences of the PRNP gene
on the breeding value of Holstein-Friesian bulls 13
3. Hugo H. MONTALDO, Héctor CASTILLO-JUÁREZ, Carlos LIZANA,
Carlos TREJO, Eugenia G. CIENFUEGOS-RIVAS, Alejandra PELCASTRE-CRUZ
– Genotype-environment interaction between Chile and North America and between
Chilean herd environmental categories for milk yield traits in Black and White cattle 23
4. Horea ŠAMANC, Dragan GVOZDIĆ, Natalija FRATRIĆ, Danijela KIROVSKI,
Radojica DJOKOVIĆ, Željko SLADOJEVIĆ, Marko CINCOVIĆ –
Body condition score loss, hepatic lipidosis and selected blood metabolites
in Holstein cows during transition period 35
5. Piotr HERBUT, Waław BIEDA, Sabina ANGREGKA – Influence of hygrothermal
conditions on milk production in a free stall barn during hot weather 49
6. Emilia BAGNICKA, Henning HAMANN, Ottmar DISTL – Structure and the non-genetic
and genetic effects on milk traits in Polish dairy goat population 59
7. Jan KUČTÍK, Šárka KRÁLÍČKOVÁ, David ZAPLETAL, Karol WĘGLARZY,
Květoslava ŠUSTOVÁ, Irena SKRZYŻALA – Changes in physico-chemical
characteristics, somatic cell count and fatty acid profile of Brown Short-haired goat
milk during lactation 71
8. Y.A. ATTIA, R.S. HAMED, A.E. Abd EL-HAMID, M.A. AL-HARTHI,
H.A. SHAHBA, F. BOVERA – Performance, blood profile, carcass and meat traits
and tissue morphology in growing rabbits fed mannanoligosaccharides
and zinc-bacitracin continuously or intermittently 85

No. 2

Original articles

1. Agnieszka OTWINOWSKA-MINDUR, Ewa PTAK – Genetic analysis
of lactation persistency in the Polish Holstein-Friesian cows 109
2. Zygmunt LITWIŃCZUK, Piotr DOMARADZKI, Tomasz GRODZICKI,
Anna LITWIŃCZUK, Mariusz FLOREK – The relationship of fatty acid
composition and cholesterol content with intramuscular fat content and marbling
in the meat of Polish Holstein-Friesian cattle from semi-intensive farming 119

3. Enrico FIORE, Antonio BARBERIO, Massimo MORGANTE, Maria RIZZO, Elisabetta GIUDICE, Giuseppe PICCIONE, Marcello LORA, Matteo GIANESELLA – Glucose infusion response to some biochemical parameters in dairy cows during the transition period 129
4. Aleksandra GÓRECKA-BRUZDA, Mira SUWAŁA, Barbara KAMIŃSKA, Zbigniew JAWORSKI, Tadeusz JEZERSKI – Profiles of oestradiol, testosterone and androstenedione in stable vs. forest born young Konik Polski horses 137
5. Sławomir SADKOWSKI, Marta MOLIŃSKA-GLURA, Krzysztof MOLIŃSKI, Dawid SZCZEPANKIEWICZ, Marek ŚWITOŃSKI, Maciej SZYDŁOWSKI – A well-known mutation in *RYR1* alters distribution of adipose tissue in gilts 147
6. Jernej OGOREVC, Sonja PRPAR MIHEVC, Jakob HEDEGAARD, Dušan BENČINA, Peter DOVČ – Transcriptomic response of goat mammary epithelial cells to *Mycoplasma agalactiae* challenge – a preliminary study 155
7. Dariusz MIKULSKI, Jan JANKOWSKI, Teresa MAJEWSKA, Zenon ZDUŃCZYK – Efficacy of free-choice feeding of ground wheat or whole grain wheat and protein concentrate to turkeys 165

Short Reports

1. Artur RYBARCZYK, Tadeusz KARAMUCKI, Radosław DROZD, Daniel POLASIK, Aleksandra ŁUPKOWSKA, Agnieszka MICHAŁECKA – Influence of selected factors upon the blood loss from the carcasses of pigs free of the stress susceptibility gene (*RYR1^T*) 177

No. 3

Review article

1. Małgorzata OSTROWSKA, Justyna JARCZAK, Lech ZWIERZCHOWSKI – Glucose transporters in cattle 191

Original articles

1. Juan LI, Jannik Ejnar JAKOBSEN, Qiang XIONG, Hang FU, Henrik CALLESEN – Developmental competence of porcine chimeric embryos produced by aggregation 213
2. Samira ASGHARZADEH, Pezhman MIRSHOKRAEI, Hossein HASSANPOUR, Ebrahim AHMADI, Hassan NAZARI – The effect of mesenchymal stem cells as co-culture in *in vitro* nuclear maturation of ovine oocytes 223
3. Luboš VOŠTRÝ, Michal MILERSKI, Emil KRUPA, Zdeňka VESELÁ, Hana VOŠTRÁ-VYDROVÁ – Genetic relationships among calving ease, birth weight and perinatal calf survival in Charolais beef cattle 233
4. Katarzyna RZEWUSKA Tomasz STRABEL – The genetic relationship between reproduction traits and milk urea concentration 243
5. Monika MICHALIČKOVÁ, Zuzana KRUPOVÁ, Emil KRUPA – Economic evaluation of cow-calf herds. I. Calculation methods 257
6. Magdalena SZYNDLER-NĘDZA, Katarzyna ROPKA-MOLIK – Reproductive performance and chemical composition of milk from sows with different genotypes at the *MC4R* and *LEPR* loci 267
7. Hadhami HAJJI Naziha ATTI, Mohamed Ben HAMOUDA – *In vivo* fat and muscle weight prediction for lambs from fat- and thin-tailed breeds by real-time ultrasonography 277

8. Katarzyna PIÓRKOWSKA, Joanna NOWAK, Katarzyna POŁTOWICZ, Katarzyna ROPKA-MOLIK, Tomasz SZMATOŁA – Doubtful effect of new polymorphisms in the promoter region of the *CAPNI* gene on transcript abundance in broiler chickens 287

No. 4

Review article

1. Neşe Nuray TOPRAK – Do fats reduce methane emission by ruminants? 305

Original articles

1. Paweł GRĘDA, Jacek A. MODLIŃSKI – Developmental potential of selectively enucleated mouse zygotes reconstituted with embryonic cell, embryonic stem cell and somatic cell nuclei 323
2. Monika MICHALIČKOVÁ, Zuzana KRUPOVÁ, Emil KRUPA – Economic evaluation of cow-calf herds. II. Analysis of the main determinants 337
3. Katarzyna RZEWUSKA, Tomasz STRABEL – Effect of non-genetic factors on reproduction traits of primiparous Polish Holstein-Friesian cows 347
4. Adam CIEŚLAK, Mohamed EL-SHERBINY, Joanna SZCZECHOWIAK, Dorota KOWALCZYK, Emilia PERS-KAMCZYC, Magdalena BRYSZAK, Paulina SZULC, ARTUR JÓŻWIK, Małgorzata SZUMACHER-STRABEL – Rapeseed and fish oils mixture supplied at low dose can modulate milk fatty acid composition without affecting rumen fermentation and productive parameters in dairy cows 357
5. Aleksandra GÓRECKA-BRUZDA, Ewa JASTRZĘBSKA, Ewa GAJEWSKA, Anna MUSZYŃSKA, Barbara PIENIAŻEK – Results of behavioural tests of horses are predictive of perceived safety in riders 373
6. Anna CHARUTA, Marcin TATARA, Witold KRUPSKI, Ewa POŁAWSKA, Magdalena OGŁUSZKA, Mariusz PIERZCHAŁA, Iwona ŁUSZCZEWSKA-SIERAKOWSKA – Bone morphometric, densitometric and mechanical properties in 14-month-old ostriches fed experimental diet enriched with linseed 383
7. Yiyu ZHANG, Wangui LI, Lanbing PAN, Jiadong LIN – Association of the *LXRα* gene with meat quality traits in White Muscovy ducks 399
8. Antonella DALLE ZOTTE, Igino ANDRIGHETTO, Valerio GIACCONE, Giorgio MARCHESINI – Dietary enrichment of *n*-3 PUFA for laying hens: effect of different sources on production, composition and quality of eggs 411

Short Reports

1. Anna RUSZCZAK, Piotr JURKA, Kamil KACPRZAK, Rafał PARADA, Mariusz SACHARCZUK – A case of ectopic scrotum in a dog with Tyr236His substitution in epidermal growth factor receptors 425

