

Animal Breeding and Genetics

- 309** Characterization of gene expression and genetic variation of horse ERBB receptor feedback inhibitor 1 in Thoroughbreds
Jae-Young Choi, Hyun-Jun Jang, Jeong-Woong Park, Jae-Don Oh, Donghyun Shin, Nam Young Kim, Jin Hyeog Oh, Ki-Duk Song, Byung-Wook Cho (Korea)
- 316** Expression of fox-related genes in the skin follicles of Inner Mongolia cashmere goat
Wenjing Han, Xiaoyan Li, Lele Wang, Honghao Wang, Kun Yang, Zhixin Wang, Ruijun Wang, Rui Su, Zhihong Liu, Yanhong Zhao, Yanjun Zhang, Jinquan Li (China)
- 327** Genome-wide association study of carcass weight in commercial Hanwoo cattle
Zewdu Edea, Yeong Ho Jeoung, Sung-Sub Shin, Jaeul Ku, Sungbo Seo, Il-Hoi Kim, Sang-Wook Kim, Kwan-Suk Kim (Korea)

Animal Reproduction and Physiology

- 335** The importance of post-thaw subculture for standardizing cellular activity of fresh or cryopreserved mouse embryonic stem cells
Dong Woo Ko, Jung Ki Yoon, Jong il Ahn, Myungook Lee, Woo Sub Yang, Ji Yeon Ahn, Jeong Mook Lim (Korea)
- 344** Functional role of Forskolin and PD166285 in the development of denuded mouse oocytes
Hongguo Cao, Yani Bian, Fei Zhang, Yunshu Tang, Caixia Li, Jiemei Chen, Xiaorong Zhang (China)

Ruminant Nutrition and Forage Utilization

- 354** Effects of harvest time and added molasses on nutritional content, ensiling characteristics and *in vitro* degradation of whole crop wheat
Chuanqi Xia, Yixun Liang, Sarula Bai, Yang He, Aziz Ur Rahman Muhammad, Huawei Su, Binghai Cao (China)
- 363** Effects of dietary fermented spent coffee ground on nutrient digestibility and nitrogen utilization in sheep
Yongjun Choi, Jong-su Rim, Youngjun Na, Sang Rak Lee (Korea)
- 369** Substituting oat hay or maize silage for portion of alfalfa hay affects growth performance, ruminal fermentation, and nutrient digestibility of weaned calves
Yang Zou, XinPing Zou, XiZhi Li, Gang Guo, Peng Ji, Yan Wang, ShengLi Li, YaJing Wang, ZhiJun Cao (China)
- 379** Sugarcane bagasse as exclusive roughage for dairy cows in smallholder livestock system
Gleidiana Amélia Pontes de Almeida, Marcelo de Andrade Ferreira, Janaina de Lima Silva, Juana Catarina Cariri Chagas, Antônia Sherlânea Chaves Véras, Leonardo José Assis de Barros, Gledson Luiz Pontes de Almeida (Brazil)

**Nonruminant
Nutrition and
Feed Processing**

- 386** Effect of rapeseed meal supplementation to gestation diet on reproductive performance, blood profiles and milk composition of sows
H. B. Choi, J. S. Hong, S. S. Jin, S. W. Jung, J. C. Jang, J. H. Jeong, Y. Y. Kim (Korea)
- 395** Effect of inclusion level and adaptation duration on digestible energy and nutrient digestibility in palm kernel meal fed to growing-finishing pigs
Chengfei Huang, Shuai Zhang, Hans Henrik Stein, Jinbiao Zhao, Defa Li, Changhua Lai (China)
- 403** Effects of dietary supplementation of lipid-coated zinc oxide on intestinal mucosal morphology and expression of the genes associated with growth and immune function in weanling pigs
Young Min Song, Myeong Hyeon Kim, Ha Na Kim, Insurk Jang, Jeong Hee Han, Giselle Ann Fontamillas, Chul Young Lee, Byung-Chul Park (Korea)
- 410** Effects of dietary energy levels on physiological parameters and reproductive performance of gestating sows over three consecutive parities
S. S. Jin, Y. H. Jin, J. C. Jang, J. S. Hong, S. W. Jung, Y. Y. Kim (Korea)

Animal Products

- 421** The effect of age, genotype and sex on carcass traits, meat quality and sensory attributes of geese
Linda Uhlířová, Eva Tůmová, Darina Chodová, Jana Vlčková, Mohamed Ketta, Zdeněk Volek, Věra Skřivanová (Czech Republic)

**Animal
Biotechnology**

- 429** Effects of *Rubus coreanus* byproducts on intestinal microbiota and the immune modulation
Da Yoon Yu, Sung Hak Kim, Jeong A Kim, In Sung Kim, Yang Soo Moon, Sang Suk Lee, Hwa Chun Park, Jong Hyun Jung, Yi Hyung Chung, Dae Keun Shin, Ki Chang Nam, In Soon Choi, Kwang Keun Cho (Korea)
- 439** Differential characterization of myogenic satellite cells with linolenic and retinoic acid in the presence of thiazolidinediones from prepubertal Korean black goats
S. Subi, S. J. Lee, S. Shiwani, N. K. Singh (India)
- 449** Characterization of the porcine Nanog 5'-flanking region
Azra Memon, Ki-Duk Song, Woon Kyu Lee (Korea)

**Environment
and Management**

- 457** Acidification of pig slurry effects on ammonia and nitrous oxide emissions, nitrate leaching, and perennial ryegrass regrowth as estimated by ¹⁵N-urea flux
Sang Hyun Park, Bok Rye Lee, Kwang Hwa Jung, Tae Hwan Kim (Korea)