
Animal Breeding and Genetics

- 1317** Epigenetic regulation of key gene of PCK1 by enhancer and super-enhancer in the pathogenesis of fatty liver hemorrhagic syndrome
Yi Wang, Shuwen Chen, Min Xue, Jinhu Ma, Xinrui Yi, Xinyu Li, Xuejin Lu, Meizi Zhu, Jin Peng, Yunshu Tang, Yaling Zhu (China)
- 1333** Assessing reproductive performance and predictive models for litter size in Landrace sows under tropical conditions
Praew Thiengpimol, Skorn Koonawootrittriron, Thanathip Suwanasopee (Thailand)
- 1345** Identification of relevant differential genes to the divergent development of pectoral muscle in ducks by transcriptomic analysis
Fan Li, Zongliang He, Yinglin Lu, Jing Zhou, Heng Cao, Xingyu Zhang, Hongjie Ji, Kunpeng Lv, Debing Yu, Minli Yu (China)
- 1355** Characterisation of runs of homozygosity and inbreeding coefficients in the red-brown Korean native chickens
John Kariuki Macharia, Jaewon Kim, Minjun Kim, Eunjin Cho, Jean Pierre Munyaneza, Jun Heon Lee (Korea)
- 1367** The spatio-temporal expression analysis of parathyroid hormone like hormone gene provides a new insight for bone growth of the antler tip tissue in sika deer
Haihua Xing, Ruobing Han, Qianghui Wang, Zihui Sun, Heping Li (China)

Animal Reproduction and Physiology

- 1377** Pregnancy influences expression of interferon-stimulated genes, progesterone receptor and progesterone-induced blocking factor in ovine thyroid
Jianhua Cao, Shuxin Zhao, Yaqi Zhang, Jiabao Cai, Leying Zhang, Ling Yang (China)

Ruminant Nutrition and Forage Utilization

- 1387** Effects of prilled fat supplementation in diets with varying protein levels on production performance of early lactating Nili Ravi Buffaloes
Saba Anwar, Anjum Khaliq, Hifzulrahman, Muhammad Naeem Tahir, Burhan E Azam, Muhammad Asim Tausif, Sundas Qamar, Hina Tahir, Murtaza Ali Tipu, Muhammad Naveed ul Haque (Pakistan)
- 1398** Connection of spectral pattern of carbohydrate molecular structure to alteration of nutritional properties of coffee by-products after fermentation
Samadi, Xin Feng, Luciana Prates, Siti Wajizah, Zulfahrizal, Agus Arip Munawar, Weixian Zhang, Peiqiang Yu (Indonesia)

Nonruminant Nutrition and Feed Processing

- 1408** Lysolecithins improved growth performance, nutrient digestibility, immunity, and antioxidant ability in broiler chickens
Yuanli Cai, Lu Gao, Bochen Song, and Zhigang Song (China)

- 1418** Laying hen responses to multi-strain *Bacillus*-based probiotic supplementation from 25 to 37 weeks of age
Elijah Ogola Oketch, Myunghwan Yu, Jun Seon Hong, Nuwan Chamara Chaturanga, Eunsoo Seo, Hans Lee, Rafael Gustavo Hermes, Natasja Smeets, Apichaya Taechavasonyoo, Susanne Kirwan, Raquel Rodriguez-Sanchez, Jung Min Heo (Korea)
- 1428** Gut microbiota derived from fecal microbiota transplantation enhances body weight of Mimas squabs
Jing Ren, Yumei Li, Hongyu Ni, Yan Zhang, Puze Zhao, Qingxing Xiao, Xiaoqing Hong, Ziyi Zhang, Yijing Yin, Xiaohui Li, Yonghong Zhang, Yuwei Yang (China)
- 1440** Water-soluble microencapsulation using gum Arabic and skim milk enhances viability and efficacy of *Pediococcus acidilactici* probiotic strains for application in broiler chickens
Ratchnida Kamwa, Benjamas Khurajog, Nongnuj Muangsin, Pawiya Pupa, David J Hampson, Nuvee Prapasarakul (Thailand)
- 1452** Effects of dietary supplementation of polysaccharide from *Agaricus blazei* Murr on productive performance, egg quality, blood metabolites, intestinal morphology and microbiota of Korean quail
Liang Hong, Zheng Ma, Xueyi Jing, Hua Yang, Jifei Ma, Lei Pu, Jianbin Zhang (China)
- 1463** *Saccharomyces* yeast postbiotics supplemented in feeds for sows and growing pigs for its impact on growth performance of offspring and growing pigs in commercial farm environments
Sung Woo Kim, Marcos Elias Duarte (USA)
- 1474** Determination and prediction of amino acid digestibility in brown rice for growing-finishing pigs
Qing Ouyang, Rui Li, Ganyi Feng, Gaifeng Hou, Xianji Jiang, Xiaojie Liu, Hui Tang, Ciming Long, Jie Yin, Yulong Yin (China)
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Animal Products

- 1483** Evaluation of carcass traits, meat quality and the expression of lipid metabolism-related genes in different slaughter ages and muscles of Taihang black goats
Amin Cai, Shiwei Wang, Pengtao Li, Zhaohui Yao, Gaiying Li (China)
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Animal Behavior and Welfare

- 1495** Administration of chromium picolinate and meloxicam alleviates regrouping stress in dairy heifers
Da Jin Sol Jung, Jaesung Lee, Do Hyun Kim, Seok-Hyeon Beak, Soo Jong Hong, In Hyuk Jeong, Seon Pil Yoo, Jin Oh Lee, In Gu Cho, Dilla Mareistia Fassah, Hyun Jin Kim, Mohammad Malekkhahi, Myunggi Baik (Korea)