
Review Paper

- 1635** Association of selected gene polymorphisms with thermotolerance traits in cattle – A review
Dwi Nur Happy Hariyono, Peni Wahyu Prihandini (Indonesia)
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Animal Breeding and Genetics

- 1649** Genetic parameter analysis of reproductive traits in Large White pigs
Guanghai Yu, Chudian Wang, Yuan Wang (China)
- 1656** Genome-wide identification of long noncoding RNA genes and their potential association with mammary gland development in water buffalo
Yuhan Jin, Yina Ouyang, Xinyang Fan, Jing Huang, Wenbo Guo, Yongwang Miao (China)
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Animal Reproduction and Physiology

- 1666** Letrozole, an aromatase inhibitor, improves seminal parameters and hormonal profile in aged endangered Markhoz bucks
Ako Rezaei, Asaad Vaziry, Abbas Farshad (Iran)
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Ruminant Nutrition and Forage Utilization

- 1675** Prepartum and/or postpartum supplementation with monensin-molasses multinutrient blocks to optimize fertility and calf performance in primiparous beef cows
Bruna Lima Chechin Catussi, Laísa Garcia da Silva, Fernando José Schalch Júnior, Rafaela Maria Sutirop Angelieri Auder, Juan Fernando Morales Gómez, Rodolfo Daniel Mingoti, Sérgio Carlos Franco Morgulis, Pietro Sampaio Baruselli (Brazil)
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Nonruminant Nutrition and Feed Processing

- 1689** Comparison of organic acids supplementation on the growth performance, intestinal characteristics and morphology, and cecal microflora in broilers fed corn-soybean meal diet
Hao Yang Sun, Hong Bin Zhou, Yang Liu, Yue Wang, Cheng Zhao, Liang Mei Xu (China)
- 1698** Effect of feeding raw potato starch on the composition dynamics of the piglet intestinal microbiome
Seung-Won Yi, Han Gyu Lee, Kyoung-Min So, Eunju Kim, Young-Hun Jung, Minji Kim, Jin Young Jeong, Ki Hyun Kim, Jae-Ku Oem, Tai-Young Hur, Sang-Ik Oh (Korea)
- 1711** Effects of substitution of soybean meal with rapeseed meal and glutamine supplementation on growth performance, intestinal morphology, and intestinal mucosa barrier of Qiandongnan Xiaoxiang Chicken
Bolin Zhang, Ning Liu, Meilin Hao, Yuxiao Xie, Peiyong Song (China)
- 1725** Effects of mixed selenium sources on the physiological responses and blood profiles of lactating sows and tissue concentration of their progeny
Cheon Soo Kim, Xing Hao Jin, Yoo Yong Kim (Korea)

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- 1733** Efficacy of combination of endo-xylanase and xylan-debranching enzymes in improving cereal bran utilization in piglet diet
Weiwei Wang, Dawen Zheng, Zhenzhen Zhang, Hui Ye, Qingyun Cao, Changming Zhang, Zemin Dong, Dingyuan Feng, Jianjun Zuo (China)
- 1744** Effect of xylo-oligosaccharides on reproduction, lipid metabolism, and adipokines of hens during the late egg-laying period
Fengyun Wen, Fengyan Wang, Pei Li, Hanyi Shi, Ning Liu (China)
- 1752** Direct-fed *Enterococcus faecium* plus bacteriophages as substitutes for pharmacological zinc oxide in weanling pigs: effects on diarrheal score and growth
Sang-Hyon Oh, Jae-Cheol Jang, Chul Young Lee, Jeong Hee Han, Byung-Chul Park (Korea)
- 1760** Evaluating and predicting net energy value of wheat and wheat bran for broiler chickens
Ran Ning, Zichen Cheng, Xingbo Liu, Zhibin Ban, Yuming Guo, Wei Nie (China)
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Animal Products

- 1771** Underlying mechanisms of phosphodiesterase 10A and glutamate-ammonia ligase genes that regulate inosine monophosphate deposition and thereby affect muscle tenderness in Jingyuan chickens
Weizhen Wang, Juan Zhang, Honghong Hu, Baojun Yu, Jintong He, Tingting Yao, Yaling Gu, Zhengyun Cai, Guosheng Xin (China)
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Animal Biotechnology

- 1787** Severe choline deficiency induces alternative splicing aberrance in optimized duck primary hepatocyte cultures
Lulu Zhao, Hongying Cai, Yongbao Wu, Changfu Tian, Zhiguo Wen, Peilong Yang (China)
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Environment and Management

- 1800** Performance of Holstein cows subjected to different cooling sessions during subtropical summer
Musa Bah, Khalid Javed, Talat Naseer Pasha, Muhammad Qamer Shahid (Pakistan)
- 1808** Analysis of 16S rRNA gene sequencing data for the taxonomic characterization of the vaginal and the fecal microbial communities in Hanwoo
Soyoung Choi, Jihye Cha, Minji Song, JuHwan Son, Mi-Rim Park, Yeong-jo Lim, Tae-Hun Kim, Kyung-Tai Lee, Woncheoul Park (Korea)