

## Review Paper

- 1465** Current technologies, regulation, and future perspective of animal product analogs — A review  
Seung Yun Lee, Da Young Lee, Jae Won Jeong, Jae Hyeon Kim, Seung Hyeon Yun, Ermie Jr. Mariano, Juhyun Lee, Sungkwon Park, Cheorun Jo, Sun Jin Hur (Korea)

## Animal Breeding and Genetics

- 1488** miR-380-3p promotes  $\beta$ -casein expression by targeting  $\alpha_{s1}$ -casein in goat mammary epithelial cells  
Ning Song, Jun Luo, Lian Huang, Xiaoying Chen, Huimin Niu, Lu Zhu (China)
- 1499** Genome-wide single-nucleotide polymorphism data and mitochondrial hypervariable region 1 nucleotide sequence reveal the origin of the Akhal-Teke horse  
Zhoucairang Kang, Jinping Shi, Ting Liu, Yong Zhang, Quanwei Zhang, Zhe Liu, Jianfu Wang, Shuru Cheng (China)
- 1508** Characterization analysis of Rongchang pig population based on the Zhongxin-1 Porcine Breeding Array PLUS  
Dong Leng, Liangpeng Ge, Jing Sun (China)
- 1517** Phylogenetic and expression analysis of the angiotensin-like gene family and their role in lipid metabolism in pigs  
Zibin Zheng, Wentao Lyu, Qihua Hong, Hua Yang, Ying Li, Shengjun Zhao, Ying Ren, Yingping Xiao (China)

## Animal Reproduction and Physiology

- 1530** Improvement of rooster semen freezability and fertility rate after sericin supplementation in freezing semen extender  
Ruthaiporn Ratchamak, Supakorn Authaida, Wuttigrai Boonkum, Vibuntita Chankitisakul (Thailand)

## Ruminant Nutrition and Forage Utilization

- 1536** Effect of UV-B irradiated vitamin D enriched yeast supplementation on milk performance and blood chemical profiles in dairy cows  
Patipan Hnokaew, Tossapol Moonmanee, Chirawath Phatsara, Nattaphon Chongkasikit, Prayad Trirawong, Lukman Abiola Oluodo, Saowaluck Yammuen-Art (Thailand)
- 1546** Effects of dietary extrusion on rumen fermentation, nutrient digestibility, performance and milk composition of dairy cattle: a meta-analysis  
Sazli Tuter Risyahadi, Rima Shidqiyya Hidayati Martin, Novia Qomariyah, Suryahadi Suryahadi, Heri Ahmad Sukria, Anuraga Jayanegara (Indonesia)

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**Nonruminant  
Nutrition and  
Feed Processing**

- 1558** Green cabbage supplementation influences the gene expression and fatty acid levels of adipose tissue in Chinese Wanxi White geese  
Bin Wang, Zhengquan Liu, Xingyong Chen, Cheng Zhang, Zhaoyu Geng (China)
- 1568** Chemical composition of banana meal and rice bran from Australia or South-East Asia  
Natalia S. Fanelli, Leidy J. Torres-Mendoza, Jerubella J. Abelilla, Hans H. Stein (USA)
- 1578** Effects of vitamin K supplementation on reproductive performance and bone metabolism-related biochemical markers in lactation sows  
Huakai Wang, Yu Zhang, Yongxi Ma (China)
- 1584** Effect of reducing dietary crude protein level on growth performance, blood profiles, nutrient digestibility, carcass traits, and odor emissions in growing-finishing pigs  
Aaron Niyonsaba, Xing Hao Jin, Yoo Yong Kim (Korea)
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**Animal Products**

- 1596** Effect of sous-vide cooking conditions on the physicochemical, microbiological and microstructural properties of duck breast meat  
Dong-Min Shin, Jong Hyeok Yune, Dong-Hyun Kim, Sung Gu Han (Korea)
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**Animal Health**

- 1604** Wheat phytase potentially protects HT-29 cells from inflammatory nucleotides-induced cytotoxicity  
Jeongmin An, Jaiesoon Cho (Korea)
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**Environment and  
Management**

- 1612** Evaluation of ammonia emission reducing effect by adding waste cooking oil in pilot-scale composting of dairy cattle manure  
Kazutaka Kuroda, Akihiro Tanaka, Kenichi Furuhashi, Naoki Fukuju (Japan)