
Review Paper

- 1533** Status of meat alternatives and their potential role in the future meat market — A review
Hyun Jung Lee, Hae In Yong, Minsu Kim, Yun-Sang Choi, Cheorun Jo (Korea)
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Animal Breeding and Genetics

- 1544** Genomic selection through single-step genomic best linear unbiased prediction improves the accuracy of evaluation in Hanwoo cattle
Mi Na Park, Mahboob Alam, Sidong Kim, Byoung-ho Park, Seung Hwan Lee, Sung Soo Lee (Korea)
- 1558** Genomic partitioning of growth traits using a high-density single nucleotide polymorphism array in Hanwoo (Korean cattle)
Mi Na Park, Dongwon Seo, Ki-Yong Chung, Soo-Hyun Lee, Yoon-Ji Chung, Hyo-Jun Lee, Jun-Heon Lee, Byoung-ho Park, Tae-Jeong Choi, Seung-Hwan Lee (Korea)
- 1566** Evaluation of the genetic diversity of six Chinese indigenous chickens
Yuzhu Sha, Caixia Gao, Meimei Liu, Shengguo Zhao (China)
- 1573** Genetic parameters for milk fatty acid composition of Holstein in Korea
Chan Hyuk Park, Umanthi Ranaraja, Chang Gwon Dang, Jong Joo Kim, Chang Hee Do (Korea)
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Animal Reproduction and Physiology

- 1579** LIMK1/2 are required for actin filament and cell junction assembly in porcine embryos developing *in vitro*
Jeongwoo Kwon, Min-Jung Seong, Xuanjing Piao, Yu-Jin Jo, Nam-Hyung Kim (Korea)
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Ruminant Nutrition and Forage Utilization

- 1590** Dietary lysophospholipids supplementation inhibited the activity of lipolytic bacteria in forage with high oil diet: an *in vitro* study
Hanbeen Kim, Byeongwoo Kim, Seongkeun Cho, Inhyuk Kwon, Jakyoom Seo (Korea)
- 1599** Effect of crude protein content and undegraded intake protein level on productivity, blood metabolites, carcass characteristics, and production economics of Hanwoo steers
Youn Hee Lee, Farhad Ahmadi, Myun Lee, Young-Kyoon Oh, Wan Sup Kwak (Korea)
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Nonruminant Nutrition and Feed Processing

- 1610** Effects of husbandry systems and Chinese indigenous chicken strain on cecum microbial diversity
Xiuxue Dong, Bing Hu, Wenlong Wan, Yanzhang Gong, Yanping Feng (China)
- 1617** Effects of dietary probiotic, liquid feed and nutritional concentration on the growth performance, nutrient digestibility and fecal score of weaning piglets
Song Zhang, Dong Huy Yoo, Xiang Ao, In Ho Kim (Korea)

Animal Products

- 1624** Modeling net energy requirements of 2 to 3-week-old Cherry Valley ducks
Ting Yang, Lexiao Yu, Min Wen, Hua Zhao, Xiaoling Chen, Guangmang Liu,
Gang Tian, Jingyi Cai, Gang Jia (China)
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- 1633** Estimation of carcass weight of Hanwoo (Korean native cattle) as a function of body measurements using statistical models and a neural network
Dae-Hyun Lee, Seung-Hyun Lee, Byoung-Kwan Cho, Collins Wakholi,
Young-Wook Seo, Soo-Hyun Cho, Tae-Hwan Kang, Wang-Hee Lee (Korea)
- 1642** Effects of additional electrical stimulation and *pre-rigor* conditioning temperature on the ageing potential of hot-boned bovine muscles
Prabhu Balan, Mustafa M. Farouk, Maryann Staincliffe, Adam D Stuart, Robert Kemp,
Cameron Craigie (New Zealand)
- 1656** Effect of stress during slaughter on carcass characteristics and meat quality in tropical beef cattle
Apolo A. Carrasco-García, Violeta T. Pardío-Sedas, Gloria G. León-Banda,
Concepción Ahuja-Aguirre, Pedro Paredes-Ramos, Bertha C. Hernández-Cruz,
Vicente Vega Murillo (México)
- 1666** Impact of partial substitution of NaCl by KCl, and MgCl₂ on physicochemical and sensory properties of cooked sausages during storage
Sang-Keun Jin, Sun-Jin Hur, Dong-Gyun Yim (Korea)
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**Animal
Biotechnology**

- 1674** miR-140 inhibits porcine fetal fibroblasts proliferation by directly targeting type 1 insulin-like growth factor receptor and indirectly inhibiting type 1 insulin-like growth factor receptor expression via SRY-box 4
Hongwei Geng, Linlin Hao, Yunyun Cheng, Chunli Wang, Wenzhen Wei, Rui Yang,
Haoyang Li, Ying Zhang, Songcai Liu (China)
- 1683** An improvement of real-time polymerase chain reaction system based on probe modification is required for accurate detection of African swine fever virus in clinical samples in Vietnam
Ha Thi Thanh Tran, Anh Kieu Dang, Duc Viet Ly, Hao Thi Vu, Tuan Van Hoang,
Chinh Thi Nguyen, Nhu Thi Chu, Vinh The Nguyen, Huyen Thi Nguyen,
Anh Duc Truong, Ngoc Thi Pham, Hoang Vu Dang (Vietnam)
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**Environment
and Management**

- 1691** Summer season temperature-humidity index threshold for infrared thermography in Hanwoo (*Bos taurus coreanae*) heifers
Na Yeon Kim, Sang Ho Moon, Seong Jin Kim, Eun Kyung Kim, Mirae Oh,
Yujiao Tang, Se Young Jang (Korea)