
Review Paper

- 309** Potential crosstalk of oxidative stress and immune response in poultry through phytochemicals — A review
M. T. Lee, W. C. Lin, T. T. Lee (Taiwan)
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Animal Breeding and Genetics

- 320** Detection of genome-wide structural variations in the Shanghai Holstein cattle population using next-generation sequencing
Dengying Liu, Zhenliang Chen, Zhe Zhang, Hao Sun, Peipei Ma, Kai Zhu, Guanglei Liu, Qishan Wang, Yuchun Pan (China)
- 334** Estimation of the genetic milk yield parameters of Holstein cattle under heat stress in South Korea
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- 341** Genetic architecture and candidate genes detected for chicken internal organ weight with a 600 K single nucleotide polymorphism array
Taocun Dou, Manman Shen, Meng Ma, Liang Qu, Yongfeng Li, Yuping Hu, Jian Lu, Jun Guo, Xingguo Wang, Kehua Wang (China)
- 350** Effects of exercise on myokine gene expression in horse skeletal muscles
Hyo Gun Lee, Jae-Young Choi, Jung-Woong Park, Tae Sub Park, Ki-Duk Song, Donghyun Shin, Byung-Wook Cho (Korea)
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Ruminant Nutrition and Forage Utilization

- 357** Nutrient and ruminal fermentation profiles of *Camellia* seed residues with fungal pretreatment
Chunlei Yang, Zhongfa Chen, Yuelei Wu, Jiakun Wang (China)
- 366** Effects of feeding ethanol on growth performances, carcass characteristics, and lipid metabolism of finishing Korean cattle (Hanwoo) steers
Chang Bon Choi, Hana Kwon, Kyung Hyun Hwang, Hyun-Jeong Lee, Jong Yeon Kim (Korea)
- 375** Altering undigested neutral detergent fiber through additives applied in corn, whole barley crop, and alfalfa silages, and its effect on performance of lactating Holstein dairy cows
Seyed Mohsen Hosseini, Mohsen Danesh Mesgaran, Ali Reza Vakili, Abbas Ali Naserian, Ehsan Khafipour (Iran)
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Nonruminant Nutrition and Feed Processing

- 387** Nutrient ileal digestibility evaluation of dried mealworm (*Tenebrio molitor*) larvae compared to three animal protein by-products in growing pigs
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- 395** Method development to reduce the fiber content of wheat bran and rice bran through anaerobic fermentation with rumen liquor for use in poultry feed
Momota Rani Debi, Brigitta A Wichert, Annette Liesegang (Switzerland)

- 405** Determination and prediction of the digestible and metabolizable energy contents of corn germ meal in growing pigs
Meng Shi, Zhaoyu Liu, Hongliang Wang, Chuanxin Shi, Ling Liu, Junjun Wang, Defa Li, Shuai Zhang (China)

Animal Products

- 413** Characterization of pork patties containing dry radish (*Raphanus sativus*) leaf and roots
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- 421** Effects of vacuum and high-oxygen modified atmosphere packaging on physico-chemical and microbiological properties of minced water buffalo meat
Rahimeh Jaberi, Güzin Kaban, Mükerrerem Kaya (Turkey)
- 430** Isolation and identification of angiotensin I-converting enzyme inhibitory peptides derived from thermolysin-injected beef *M. longissimus*
Juhui Choe, Kuk-Hwan Seol, Hyun-Jin Kim, Jin-Taek Hwang, Mooha Lee, Cheorun Jo (Korea)

Animal Biotechnology

- 437** Gender-dependent difference in serum paraoxonase 1 levels of Hanwoo, Korean native cattle, and a positive association with meat quality
Jihyun Park, Jiwoo Kim, Sungwon Hwang, Ki Young Chung, Inho Choi, Chang Bon Choi, Jihoe Kim (Korea)

Animal Health

- 442** Effects of transport stress on physiological responses and milk production in lactating dairy cows
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Animal Behavior and Welfare

- 452** Interaction effects of pen environment and sex on behavior, skin lesions and physiology of Windstryer pigs
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