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## Review Paper

- 1073** Microbiological safety of processed meat products formulated with low nitrite concentration — A review  
Soomin Lee, Heeyoung Lee, Sejeong Kim, Jeeyeon Lee, Jimyeong Ha, Yukyung Choi, Hyemin Oh, Kyoung-Hee Choi, Yohan Yoon (Korea)

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- 1078** Extent of linkage disequilibrium and effective population size of the Landrace population in Korea  
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- 1088** Molecular and functional characterization of the adiponectin (*AdipoQ*) gene in goat skeletal muscle satellite cells  
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- 1098** Estimation of genetic parameters for temperament in Jeju crossbred horses  
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- 1103** miR-375 down-regulation of the rearranged L-myc fusion and hypoxia-induced gene domain protein 1A genes and effects on Sertoli cell proliferation  
Jia Guo, Xin Liu, Yuwei Yang, Mengdi Liang, Chunyan Bai, Zhihui Zhao, Boxing Sun (China)
- 1110** Analysis of cross-population differentiation between Thoroughbred and Jeju horses  
Wonseok Lee, Kyung-Do Park, Mengistie Taye, Chul Lee, Heebal Kim, Hak-Kyo Lee, Donghyun Shin (Korea)
- 1119** Luteinizing hormone beta gene polymorphism and its effect on semen quality traits and luteinizing hormone concentrations in Murrah buffalo bulls  
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- 1127** Genome wide association study of fatty acid composition in Duroc swine  
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- 1134** Identification of quantitative trait loci for the fatty acid composition in Korean native chicken  
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- 1141** Correlation analyses of CpG island methylation of cluster of differentiation 4 protein with gene expression and T lymphocyte subpopulation traits  
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- 1150** *In silico* approaches to identify the functional and structural effects of non-synonymous SNPs in selective sweeps of the Berkshire pig genome  
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**Animal  
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- 1160** Morphological defects of sperm and their association with motility, fertility, and hatchability in four Korean native chicken breeds  
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- 1169** Reproductive fecundity of Iraqi Awassi ewes immunized against synthetic inhibin- $\alpha$  subunit or steroid-free bovine follicular fluid  
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- 1176** Mitochondrial tumor suppressor 1 is a target of AT-rich interactive domain 1A and progesterone receptor in the murine uterus  
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- 1197** Characterization of Tifton 85 bermudagrass haylage with different layers of polyethylene film and storage time  
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- 1205** Effects of different dietary ratio of metabolizable glucose and metabolizable protein on growth performance, rumen fermentation, blood biochemical indices and ruminal microbiota of 8 to 10-month-old dairy heifers  
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- 1213** Anthocyanin and proanthocyanidin contents, antioxidant activity, and *in situ* degradability of black and red rice grains  
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- 1221** Effects of feeding different varieties of faba bean (*Vicia faba* L.) straws with concentrate supplement on feed intake, digestibility, body weight gain and carcass characteristics of Arsi-Bale sheep  
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- 1230** Effects of different dietary ratio of physically effective neutral detergent fiber and metabolizable glucose on rumen fermentation, blood metabolites and growth performance of 8 to 10-month-old heifers  
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- 1252** Effect of cumin essential oil usage on fermentation quality, aerobic stability and *in vitro* digestibility of alfalfa silage  
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- 1275** Effect of diets with different energy and lipase levels on performance, digestibility and carcass trait in broilers  
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- 1285** Effects of dietary fiber levels on cecal microbiota composition in geese  
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- 1291** The effects of low-protein diets and protease supplementation on broiler chickens in a hot and humid tropical environment  
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- 1301** Additivity of values for phosphorus digestibility in corn, soybean meal, and canola meal in diets fed to growing pigs  
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- 1345** Carcass traits, fatty acid composition, gene expression, oxidative stability and quality attributes of different muscles in Dorper lambs fed *Nigella sativa* seeds, *Rosmarinus officinalis* leaves and their combination  
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- 1358** Effect of natural pre-converted nitrite sources on color development in raw and cooked pork sausage  
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**Animal  
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- 1366** Molecular characterization and expression of a disintegrin and metalloproteinase with thrombospondin motifs 8 in chicken  
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**Environment and  
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- 1373** Comparison of microbial communities in swine manure at various temperatures and storage times  
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