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## Animal Breeding and Genetics

- 907** Accuracy of genomic breeding value prediction for intramuscular fat using different genomic relationship matrices in Hanwoo (Korean cattle)  
Taejeong Choi, Dajeong Lim, Byoungho Park, Aditi Sharma, Jong-Joo Kim, Sidong Kim, Seung Hwan Lee (Korea)
- 912** Genetic signature of strong recent positive selection at interleukin-32 gene in goat  
Akhtar Rasool Asif, Sumayyah Qadri, Nabeel Ijaz, Ruheena Javed, Abdur Rahman Ansari, Muhammd Awais, Muhammad Younus, Hasan Riaz, Xiaoyong Du (Pakistan)
- 920** Enrichment and verification of differentially expressed miRNAs in bursa of Fabricius in two breeds of duck  
Jun Luo, Junying Liu, Hehe Liu, Tao Zhang, Jiwen Wang, Hua He, Chunchun Han (China)
- 930** The complete mitochondrial genome sequence of the indigenous I pig (*Sus scrofa*) in Vietnam  
Hieu Duc Nguyen, Tuan Anh Bui, Phuong Thanh Nguyen, Oanh Thi Phuong Kim, Thuy Thi Bich Vo (Vietnam)
- 938** Coat colour phenotype of Qingyu pig is associated with polymorphisms of melanocortin receptor 1 gene  
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## Animal Reproduction and Physiology

- 944** Ascorbic acid increases demethylation in somatic cell nuclear transfer embryos of the pig (*Sus scrofa*)  
Minghui Zhao, Tai-Young Hur, Jingu No, Yoonseok Nam, Hyeunkyu Kim, Gi-Sun Im, Seunghoon Lee (Korea)

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## Ruminant Nutrition and Forage Utilization

- 950** Development of a new lactic acid bacterial inoculant for fresh rice straw silage  
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- 957** Dynamic changes of yak (*Bos grunniens*) gut microbiota during growth revealed by polymerase chain reaction-denaturing gradient gel electrophoresis and metagenomics  
Yuanyang Nie, Zhiwei Zhou, Jiuqiang Guan, Baixue Xia, Xiaolin Luo, Yang Yang, Yu Fu, Qun Sun (China)
- 967** Effects of dietary forage-to-concentrate ratio on nutrient digestibility and enteric methane production in growing goats (*Capra hircus hircus*) and Sika deer (*Cervus nippon hortulorum*)  
Youngjun Na, Dong Hua Li, Sang Rak Lee (Korea)

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## Nonruminant Nutrition and Feed Processing

- 973** Effects of simultaneous supplementation of laying hens with  $\alpha$ -linolenic acid and eicosapentaenoic acid/docosahexaenoic acid resources on egg quality and n-3 fatty acid profile  
Pingqing Zhang, Chuanqiu Tang, Zongqing Ding, Hui Huang, Yong Sun (China)

- 979** Effect of dietary calcium concentrations in low non-phytate phosphorus diets containing phytase on growth performance, bone mineralization, litter quality, and footpad dermatitis incidence in growing broiler chickens  
Jong Hyuk Kim, Hyunjung Jung, Franco Martinez Pitargue, Gi Ppeum Han, Hyeon Seok Choi, Dong Yong Kil (Korea)
- 985** Dose-dependent effects of a microbial phytase on phosphorus digestibility of common feedstuffs in pigs  
Ferdinando N. Almeida, Mercedes Vazquez-Añón, Jeffery Escobar (USA)
- 994** Effect of superdosing phytase on productive performance and egg quality in laying hens  
Jong Hyuk Kim, Franco Martinez Pitargue, Hyunjung Jung, Gi Ppeum Han, Hyeon Seok Choi, Dong Yong Kil (Korea)
- 999** Comparative energy content and amino acid digestibility of barley obtained from diverse sources fed to growing pigs  
Hong Liang Wang, Meng Shi, Xiao Xu, Xiao Kang Ma, Ling Liu, Xiang Shu Piao (China)
- 1006** Effects of zinc bearing palygorskite supplementation on the growth performance, hepatic mineral content, and antioxidant status of broilers at early age  
Weili Yang, Yueping Chen, Yefei Cheng, Chao Wen, Yanmin Zhou (China)

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## Animal Products

- 1013** Determination of the quality of stripe-marked and cracked eggs during storage  
Yu Chi Liu, Ter Hsin Chen, Ying Chen Wu, Fa Jui Tan (Taiwan)
- 1021** Impacts of post-mortem ageing prior to freezing on technological and oxidative properties of coarse ground lamb sausage in a model system  
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## Animal Biotechnology

- 1029** Myotube differentiation in clustered regularly interspaced short palindromic repeat/Cas9-mediated MyoD knockout quail myoblast cells  
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- 1037** Distribution and differential expression of microRNAs in the intestinal mucosal layer of necrotic enteritis induced Fayoumi chickens  
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## Environment and Management

- 1048** Cacao bean husk: an applicable bedding material in dairy free-stall barns  
Akira Yajima, Hisashi Owada, Suguru Kobayashi, Natsumi Komatsu, Kazuaki Takehara, Maria Ito, Kazuhide Matsuda, Kan Sato, Hisao Itabashi, Satoshi Sugimura, Shuhei Kanda (Japan)
- 1054** Estimation of methane emissions from local and crossbreed beef cattle in Daklak province of Vietnam  
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