

---

## Review Paper

- 529** Recent advances in feed and nutrition of beef cattle in China — A review  
Qian Gao, Hu Liu, Zuo Wang, Xinyi Lan, Jishan An, Weijun Shen, Fachun Wan (China)
- 540** Improving productivity in rabbits by using some natural feed additives under hot environmental conditions — A review  
Magdy Abdelsalam, Moataz Fathi (Saudi Arabia)
- 

## Animal Breeding and Genetics

- 555** N<sup>6</sup>-Methyladenosine modification (m<sup>6</sup>A) of circRNA-ZNF638 contributes to the induced activation of SHF stem cells through miR-361-5p/Wnt5a axis in cashmere goats  
Ronghuan Yin, Ronglan Yin, Man Bai, Yixing Fan, Zeying Wang, Yubo Zhu, Qi Zhang, Taiyu Hui, Jincheng Shen, Siyu Feng, Wenlin Bai (China)
- 570** Genome-wide identification, organization, and expression profiles of the chicken fibroblast growth factor genes in public databases and Vietnamese indigenous Ri chickens against highly pathogenic avian influenza H5N1 virus infection  
Anh Duc Truong, Ha Thi Thanh Tran, Nhu Thi Chu, Huyen Thi Nguyen, Thi Hao Vu, Yeojin Hong, Ki-Duk Song, Hoang Vu Dang, Yeong Ho Hong (Korea)
- 

## Animal Reproduction and Physiology

- 584** Relationship between the abdominal sagging index and the reproductive performance of the Roman goose  
S. C. Chang, M. J. Lin, L. J. Lin, S. Y. Peng, Tzu Tai Lee (Taiwan)
- 591** Efficacy of a modified Double-Ovsynch protocol for the enhancement of reproductive performance in Hanwoo cattle  
Jae Kwan Jeong, Ui Hyung Kim, Ill Hwa Kim (Korea)
- 

## Ruminant Nutrition and Forage Utilization

- 601** Prediction of total digestible nutrient and crude protein requirements according to daily weight gain, and behavioral measurements of Hanwoo heifers  
Ju Ri Kim, Jun Sik Woo, Youl Chang Baek, Sun Sik Jang, Keun Kyu Park (Korea)
- 

## Nonruminant Nutrition and Feed Processing

- 609** Effect of dietary supplementation of *Bacillus subtilis* TLRI 211-1 on laying performance, egg quality and blood characteristics of Leghorn layers  
Ming-Yang Tsai, Bor-Ling Shih, Ren-Bao Liaw, Wen-Tsen Chen, Tsung-Yu Lee, Hsi-Wen Hung, Kuo-Hsiang Hung, Yih-Fwu Lin (Taiwan)

- 619** Comparison of amino acid digestibility of soybean meal, cottonseed meal, and low-gossypol cottonseed meal between broilers and laying hens  
Kai Qiu, Xiao-cui Wang, Jing Wang, Hao Wang, Guang-hai Qi, Hai-jun Zhang, Shu-geng Wu (China)
- 629** Does supplementing laying hen diets with a herb mixture mitigate the negative impacts of excessive inclusion of extruded flaxseed?  
Hossein Hosseini, Noah Esmaili, Aref Sepehr, Mahyar Zare, Artur Rombenso, Raied Badierah, Elrashdy M. Redwan (Australia)
- 642** Effects of  $\beta$ -glucan with vitamin E supplementation on the growth performance, blood profiles, immune response, fecal microbiota, fecal score, and nutrient digestibility in weaning pigs  
Tae Wook Goh, Hong Jun Kim, Kunyong Moon, Cheon Soo Kim, Yoo Yong Kim (Korea)
- 

### Animal Products

- 654** Development of a lateral flow dipstick test for the detection of 4 strains of *Salmonella* spp. in animal products and animal production environmental samples based on loop-mediated isothermal amplification  
Wirawan Nuchchanart, Prapasiri Pikoolkhao, Chalermkiat Saengthongpinit (Thailand)
- 

### Environment and Management

- 671** Phylogenetic placement of thermophilic ammonium-tolerant bacteria and their distribution in various composts  
Kazutaka Kuroda (Japan)