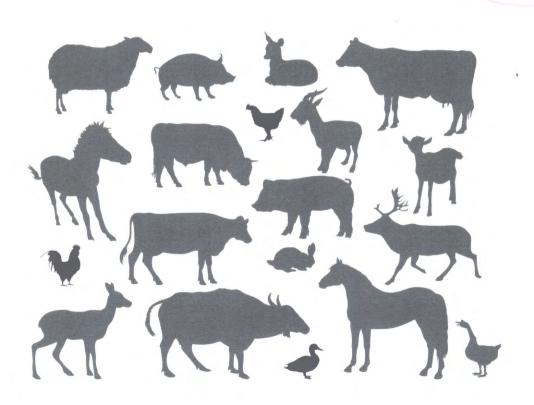
www.ajas.info

Open Access | pISSN 1011-2367 eISSN 1976-5517



Vol 33 No 3. March 2020



Asian-Australasian Association of Animal Production Societies

Contents



2

Review Paper	373 Perspectives for rare earth elements as feed additive in livestock — A review Hujaz Tariq, Amit Sharma, Srobana Sarkar, Lamella Ojha, Ravi Prakash Pal, Veena Mani (India)	v
Animal Breeding and Genetics	 382 The effectiveness of genomic selection for milk production traits of Holstein dairy cattle Yun-Mi Lee, Chang-Gwon Dang, Mohammad Z. Alam, You-Sam Kim, Kwang-Hyeon Cho, Kyung-Do Park, Jong-Joo Kim (Korea) 	
	 Expression of lipid metabolism genes provides new insights into intramuscular fat deposition in Laiwu pigs Hui Wang, Jin Wang, Dan-dan Yang, Zong-li Liu, Yong-qing Zeng, Wei Chen (China) 	
	398 Expression characterization and transcription regulation analysis of porcine Yip1 domain family member 3 gene Dongjiao Ni, Xiang Huang, Zhibo Wang, Lin Deng, Li Zeng, Yiwei Zhang, Dongdong Lu, Xinhua Zou (China)	
	408 Comparison of the fit of automatic milking system and test-day records with the use of lactation curvesB. Sitkowska, M. Kolenda, D. Piwczyński (Poland)	
	416 Expression of genes related to lipid transport in meat-type ducks diverge for low or high residual feed intake Sihua Jin, Yuan Xu, He Zang, Lei Yang, Zhiqiang Lin, Yongsheng Li, Zhaoyu Geng (China)	ent
Animal Reproduction and Physiology	424 Comparison for immunophysiological responses of Jeju and Thoroughb horses after exercise Saichit Khummuang, Hyo Gun Lee, Sang Seok Joo, Jeong-Woong Park, Jae-Young Ch Jin Hyeog Oh, Kyoung Hwan Kim, Hyun-Hee Youn, Myunghoo Kim, Byung-Wook C (Korea)	noi,
Ruminant Nutrition and Forage Utilization	436 Co-ensiling garlic stalk with citrus pulp improves the fermentation qualit and feed-nutritional value Youn Hee Lee, Farhad Ahmadi, Young Il Kim, Young-Kyoon Oh, Wan Sup Kwak (Ko	
	446 Fruit and vegetable discards preserved with sodium metabisulfite as a hi moisture ingredient in total mixed ration for ruminants: effect on <i>in vitr</i> ruminal fermentation and <i>in vivo</i> metabolism Farhad Ahmadi, Won Hee Lee, Young-Kyoon Oh, Keunkyu Park, Wan Sup Kwak (Ko	ro

Open Access pissn 1011-2367 elssn 1976-5517

Vol 33 No 3 · March 2020

Nonruminant Nutrition and Feed Processing	456	Effect of oral spray with <i>Lactobacillus</i> on growth performance, intestinal development and microflora population of ducklings Qi Zhang, Yuchen Jie, Chuli Zhou, Leyun Wang, Liang Huang, Lin Yang, Yongwen Zhu (China)
	465	Effect of zinc on the immune response and production performance of broilers: a meta-analysis Cecep Hidayat, Sumiati, Anuraga Jayanegara, Elizabeth Wina (Indonesia)
	480	Effects of early commercial milk supplement on the mucosal morphology, bacterial community and bacterial metabolites in jejunum of the pre- and post-weaning piglets Ping Hu, Qingyan Niu, Yizhi Zhu, Chao Shi, Jing Wang, Weiyun Zhu (China)
	490	Effects of mealworm (<i>Tenebrio molitor</i>) larvae hydrolysate on nutrient ileal digestibility in growing pigs compared to those of defatted mealworm larvae meal, fermented poultry by-product, and hydrolyzed fish soluble Kyung Hoon Cho, Sun Woo Kang, Jong Sang Yoo, Dae Kil Song, Yi Hyung Chung, Gyoo Taik Kwon, Yoo Yong Kim (Korea)
Animal Products	501	Comparative effects of dry-aging and wet-aging on physicochemical properties and digestibility of Hanwoo beef Ji-Han Kim, Tae-Kyung Kim, Dong-Min Shin, Hyun-Wook Kim, Young-Boong Kim, Yun-Sang Choi (Korea)
Animal Biotechnology	506	Supplementary prenatal copper increases plasma triiodothyronine and brown adipose tissue uncoupling protein-1 gene expression but depresses thermogenesis in newborn lambs Stephen B. Smith, Craig R. Sweatt, Gordon E. Carstens (USA)
	515	Subpopulations of miniature pig mesenchymal stromal cells with different differentiation potentials differ in the expression of octamer-binding transcription factor 4 and sex determining region Y-box 2 Ryounghoon Jeon, Sungjo Park, Sung-Lim Lee, Gyu-Jin Rho (Korea)
		Tgi. terima : 17-06-2020 No. Induk : Asal bahan Pustaka : Bell/ Tuka r/Hadi ah Dari :