Contents



Animal Breeding and Genetics	1775	MiR-188-5p regulates the proliferation and differentiation of goat skeletal muscle satellite cells by targeting calcium/calmodulin dependent protein kinase II beta Jing Jing, Sihuan Zhang, Jinbo Wei, Yuhang Yang, Qi Zheng, Cuiyun Zhu, Shuang Li, Hongguo Cao, Fugui Fang, Yong Liu, Ying-hui Ling (China)
	1785	Estimation of heritabilities and additive genetic correlations for reproduction traits in swine: insights for tropical commercial production systems using multiple trait animal models Udomsak Noppibool, Thanathip Suwanasopee, Mauricio A. Elzo, Skorn Koonawootrittriron (Thailand)
	1796	Identification of heat shock protein70-2 and protamine-1 mRNA, proteins, and analyses of their association with fertility using frozen-thawed sperm in Madura bulls Zulfi Nur Amrina Rosyada, Berlin Pandapotan Pardede, Ekayanti Mulyawati Kaiin, Ligaya I.T.A Tumbelaka, Dedy Duryadi Solihin, Bambang Purwantara, Mokhamad Fakhrul Ulum (Indonesia)
	1806	Comparative genetic analysis of frequentist and Bayesian approach for reproduction, production and life time traits showing favourable association of age at first calving in Tharparkar cattle Nistha Yadav, Sabyasachi Mukherjee, Anupama Mukherjee (India)
Animal Reproduction and Physiology	1821	Seminal plasma modulates post-thaw longevity and motility of frozen sperm in dromedary camel Fahimeh Seyedasgari, Behnam Asadi, Ellen Kim (United Arab Emirates)
Ruminant Nutrition and Forage Utilization	1831	Does vitamin blends supplementation affect the animal performance, carcass traits, and nutrient digestibility of young Nellore finishing bulls? Dhones Rodrigues de Andrade, Flávia Adriane de Sales Silva, Jardeson de Souza Pinheiro, Júlia Travassos da Silva, Nathália Veloso Trópia, Leticia Artuzo Godoi, Rizielly Saraiva Reis Vilela, Fernando Alerrandro Andrade Cidrini, Luciana Navajas Rennó, Diego Zanetti, Tiago Sabella Acedo, Sebastião de Campos Valadares Filho (Brazil)
	1842	Effects of whole-plant corn and hairy vetch (<i>Vicia villosa Roth</i>) mixture on silage quality and microbial communities Yaqian Zong, Kai Zhou, Xinhui Duan, Bo Han, Hua Jiang, Chenggang He (China)
Nonruminant Nutrition and Feed Processing	1853	Effects of different types of xanthophyll extracted from marigold on pigmentation of yellow-feathered chickens Yu Wei, Kun Qin, Xu Qin, Fulong Song, Xiao Xu (China)

Vol 36 No 12 · December 2023

	1860	Effects of dietary trace mineral levels on physiological responses, reproductive performance, litter performance, blood profiles, and milk composition in gestating sows Hong Jun Kim, Xing Hao Jin, Sun Woo Kang, Yoo Yong Kim (Korea)
	1869	Individual or combinational use of phytase, protease, and xylanase for the impacts on total tract digestibility of corn, soybean meal, and distillers dried grains with soluble fed to pigs Adsos Adami Passos, Vitor Hugo Cardoso Moita, Sung Woo Kim (USA)
	1880	Standardized ileal digestible lysine requirement of pregnant sows under commercial conditions Hyunwoong Jo, Beob Gyun Kim (Korea)
Animal Products	1889	The fibronectin concentration that optimally maintains porcine satellite cells Jae Ho Han, Si Won Jang, Ye Rim Kim, Hoon Jang, Kwan Seob Shim, Hyun Woo Choi (Korea)
	1898	Effect of guanidinoacetic acid on the growth performance, myofiber, and adenine nucleotide of meat-type rabbits Yuanxiao Li, Caicai Feng, Ning Liu, Jianping Wang (China)
Animal Biotechnology	1905	NANOG expression in parthenogenetic porcine blastocysts is required for intact lineage specification and pluripotency Mingyun Lee, Jong-Nam Oh, Gyung Cheol Choe, Kwang-Hwan Choi, Dong-Kyung Lee, Seung-Hun Kim, Jinsol Jeong, Yelim Ahn, Chang-Kyu Lee (Korea)
Environment and Management	1918	The effect of biogas slurry application on biomass production and the silage quality of corn Hua Sun, Kai Shi, Hairong Ding, Chenglong Ding, Zhiqing Yang, Chen An, Chongfu Jin, Beiyi Liu, Zhaoxin Zhong, Xia Xiao, Fuyin Hou (China)

ANIMAL BIOSCIENCE INSTRUCTIONS FOR AUTHORS