## Asian-Australasian Journal of Animal Sciences

April 2015 Volume 28 Number 4

## **Contents**

AINI	MAL BREEDING AND GENETICS
58.	A Genetic Analysis of Taoyuan Pig and Its Phylogenetic Relationship to Eurasian Pig Breeds / Kuan-Yi Li, Kuang-Ti Li, Chun-Chun Cheng, Chia-Hsuan Chen, Chien-Yi Hung, and Yu-Ten Ju (Taiwan)
59.	Polymorphisms in Epigenetic and Meat Quality Related Genes in Fourteen Cattle Breeds and Association with Beef Quality and Carcass Traits / Xuan Liu, Tahir Usman, Yachun Wang, Zezhao Wang, Xianzhou Xu, Meng Wu, Yi Zhang, Xu Zhang, Qiang Li, Lin Liu, Wanhai Shi, Chunhua Qin, Fanjun Geng, Congyong Wang, Rui Tan, Xixia Huang,
60.	Airong Liu, Hongjun Wu, Shixin Tan, and Ying Yu (China)
RUN	MINANT NUTRITION AND FORAGE UTILIZATION
61.	Rumen Degradability and Post-ruminal Digestion of Dry Matter, Nitrogen and Amino Acids of Three Protein Supplements / Wei Gao, Aodong Chen, Bowen Zhang, Ping
62.	Kong, Chenli Liu, and Jie Zhao (China)
63.	Fermentation Characteristics and Lactic Acid Bacteria Succession of Total Mixed Ration Silages Formulated with Peach Pomace / Xiaodong Hu, Wei Hao, Huili Wang, Tingting Ning, Mingli Zheng, and Chuncheng Xu (China)
64.	Fermentation Characteristics and Microbial Diversity of Tropical Grass-legumes Silages / Roni Ridwan, Iman Rusmana, Yantyati Widyastuti, Komang G. Wiryawan, Bambang Prasetya, Mitsuo Sakamoto, and Moriya Ohkuma (Indonesia)
65.	Milk Production and Income over Feed Costs in Dairy Cows Fed Medium-roasted Soybean Meal and Corn Dried Distiller's Grains with Solubles / Lam Phuoc Thanh and Wisitiporn Suksombat (Thailand)
66.	Effects of Flavonoid-rich Plant Extracts on <i>In vitro</i> Ruminal Methanogenesis, Microbial Populations and Fermentation Characteristics / <i>Eun T. Kim, Le Luo Guan, Shin J. Lee, Sang M. Lee, Sang S. Lee, II D. Lee, Su K. Lee, and Sung S. Lee</i> (Korea)
NOI	NRUMINANT NUTRITION AND FEED PROCESSING
67.	Effect of Olive Leaf ( <i>Olea europaea</i> ) Powder on Laying Hens Performance, Egg Quality and Egg Yolk Cholesterol Levels / <i>H. Cayan and G. Erener</i> (Turkey)

68.	Effects of Heat-oxidized Soy Protein Isolate on Growth Performance and Digestive Function of Broiler Chickens at Early Age / X Chen, Y. P. Chen, D. W. Wu, C. Wen, and Y. M. Zhou (China)	544	
69.	Evaluation of Optimum Dietary Threonine Requirement by Plasma Free Threonine and Ammonia Concentrations in Surgically Modified Rainbow Trout, <i>Oncorhynchus mykiss   Hyeonho Yun, Gunjun Park, Imho Ok, Kumar Katya, Silas Heung, and Sungchul C. Bai</i>	551	
ANIMAL PRODUCTS			
70.	Ex vivo Digestion of Milk from Red Chittagong Cattle Focusing Proteolysis and Lipolysis / Mohammad Ashiqul Islam, Dag Ekeberg, Elling-Olav Rukke, and Gerd Elisabeth Vegarud (Norway)	559	
ANIMAL BIOTECHNOLOGY			
71.	Rapid Origin Determination of the Northern Mauxia Shrimp ( <i>Acetes chinensis</i> ) Based on Allele Specific Polymerase Chain Reaction of Partial Mitochondrial 16S rRNA Gene / <i>Jung-Ha Kang, Eun-Soo Noh, Jung-Youn Park, Chel-Min An, Jung-Hwa Choi, and</i>		
72.	Jin-Koo Kim (Korea)	568	
73.	Characterization of the Fecal Microbial Communities of Duroc Pigs Using 16S rRNA Gene Pyrosequencing / Edward Alain B. Pajarillo, Jong Pyo Chae, Marilen P. Balolong,	573	
	Hyeun Bum Kim, Kang-Seok Seo, and Dae-Kyung Kang (Korea)	584	
ANI	MAL BEHAVIOR AND WELFARE		
74.	Stress Detection and Classification of Laying Hens by Sound Analysis / Jonguk Lee, Byeongjoon Noh, Suin Jang, Daihee Park, Yongwha Chung, and Hong-Hee Chang (Korea)	592	
75.	Reproduction Efficiency and Health Traits in Dorper, White Dorper, and Tsigai Sheep Breeds under Temperate European Conditions / D. Gavojdian, C. Budai, L. T. Cziszter,		
	N. Csizmar, A. Javor, and S. Kusza (Hungary)	599	