

Asian-Australasian Journal of Animal Sciences

September 2008

Volume 21 Number 9

Contents

ANIMAL BREEDING AND GENETICS

172. Genetic Models for Carcass Traits with Different Slaughter Endpoints in Selected Hanwoo Herds I. Linear Covariance Models / *Choy, Y. H., C. W. Lee, H. C. Kim, S. B. Choi, J. G. Choi and J. M. Hwang* (Korea) 1227
173. RAPD Analysis of Three Deer Species in Malaysia / *Habiba A. A. El-Jaafari, Jothi M. Panandam, Ismail Idris and Siti Shapor Siraj* (Malaysia) 1233
174. Genetic Variation and Divergence among Swamp Buffalo, River Buffalo and Cattle: A Microsatellite Survey on Five Populations in China / *Yi Zhang, Dongxiao Sun, Ying Yu and Yuan Zhang* (China) 1238

ANIMAL REPRODUCTION AND PHYSIOLOGY

175. Expression and Secretion of the Insulin-like Growth Factor System Components by Pig Liver Cells / *I. Kim, E. J. Jin, K. Baik, C. H. Park, W. K. Kim, C. W. Kang, Y. Ko, I. Jang, W. S. Choi and C. Y. Lee* (Korea) 1244

RUMINANT NUTRITION AND FORAGE UTILIZATION

176. Tethering Meat Goats Grazing Forage of High Nutritive Value and Low to Moderate Mass / *A. K. Patra, R. Puchala, G. Detweiler, L. J. Dawson, G. Animut, T. Sahlu and A. L. Goetsch* (USA) 1252
177. Effect of Feeding Ca-salts of Fatty Acids from Soybean Oil and Linseed Oil on c9,t11-CLA Production in Ruminant Fluid and Milk of Holstein Dairy Cows / *Halima Sultana, Takeshi Ishida, Toshihiro Shintaku, Shuhei Kanda and Hisao Itabashi* (Japan) ... 1262
178. Effects of Soybean Oil or Rumen Protected Conjugated Linoleic Acid Supplementation on Accumulation of Conjugated Linoleic Acid in Dairy Cows' Milk / *Wisitiporn Suksombat and Khukhuan Chullanandana* (Thailand) 1271
179. Use of *In vitro* Gas Production Technique to Investigate Interactions between Rice Straw, Wheat Straw, Maize Stover and Alfalfa or Clover / *S. X. Tang, G. O. Tayo, Z. L. Tan, Z. H. Sun, M. Wang, G. P. Ren and X. F. Han* (China) 1278
180. Development of Bovine Specific Leptin Radioimmunoassay and Relationship of Plasma Leptin with Vitamin A and Age of Wagyu / *S. H. Yang, H. Kawachi, M. A. Khan, S. Y. Lee, H. S. Kim, Jong K. Ha, W. S. Lee, H. J. Lee, K. S. Ki, S. B. Kim, S. Sakaguchi, S. Maruyama and H. Yano* (Korea) 1286
181. Carcass Characteristics and Chemical Composition of the *Longissimus* Muscle of Purunã and 1/2 Purunã vs. 1/2 Canchin Bulls Meat Quality of Bulls / *Ivanor Nunes do Prado, Polyana Pizzi Rotta, Rodolpho Martin do Prado, Jesuí Vergílio Visantainer, José Luis Moletta and Daniel Perotto* (Brazil) 1296

-
182. Influence of Varying Ruminally Degradable to Undegradable Protein Ratio on Nutrient Intake, Milk Yield, Nitrogen Balance, Conception Rate and Days Open in Early Lactating *Nili-Ravi* Buffaloes (*Bubalus bubalis*) | *Mahr-un-Nisa, A. Javaid, M. Aasif Shahzad and M. Sarwar* (Pakistan) 1303

NONRUMINANT NUTRITION AND FEED PROCESSING

183. The Effect of Probiotics on Microbiology, Health and Performance of Fattening Rabbits | *S. K. Kritas, E. I. Petridou, P. Fortomaris, E. Tzika, G. Arsenos and G. Koptopoulos* (Greece) 1312
184. Effects of Corn Distiller's Dried Grains with Solubles on Production and Egg Quality in Laying Hens | *Y. J. Cheon, H. L. Lee, M. H. Shin, A. Jang, S. K. Lee, J. H. Lee, B. D. Lee and C. K. Son* (Korea) 1318
185. The Probiotic and Adherence Properties of *Lactobacillus reuteri* Pg4 Expressing the Rumen Microbial β -Glucanase | *Yu, B., J. R. Liu, F. S. Hsiao, T. T. Lee and P. W. S. Chiou* (Taiwan) 1324
186. Dietary Supplementation with *Acanthopanax senticosus* Extract Modulates Gut Microflora in Weaned Piglets | *Fugui Yin, Yulong Yin, Xiangfeng Kong, Yulan Liu, Qinghua He, Tiejun Li, Ruilin Huang, Yongqing Hou, Xugang Shu, Liangxi Tan, Lixiang Chen, Jianhua Gong, Sung Woo Kim and Guoyao Wu* (China) 1330
187. Effect of Green Tea Probiotics on the Growth Performance, Meat Quality and Immune Response in Finishing Pigs | *S. Y. Ko and C. J. Yang* (Korea) 1339
188. Improved Broiler Chick Performance by Dietary Supplementation of Organic Zinc Sources | *Rahman Jahanian, Hasan Nassiri Moghaddam and Abbas Rezaei* (Iran) 1348
189. Evaluation of δ -Aminolevulinic Acid on Serum Iron Status, Blood Characteristics, Egg Performance and Quality in Laying Hens | *Y. J. Chen, J. H. Cho, J. S. Yoo, Y. Wang, Y. Huang and I. H. Kim* (Korea) 1355
190. Effect of Different Raising Techniques on *In vivo* Performance and Carcass and Meat Traits of Ischia Grey Rabbit | *Fulvia Bovera, Carmelo Di Meo, Sandra Nizza, Giovanni Piccolo and Antonino Nizza* (Italy) 1361
191. Improved Apparent Digestibility Coefficient of Protein and Phosphorus by Supplementation of Microbial Phytase in Diets Containing Cottonseed and Soybean Meal for Juvenile Olive Flounder (*Paralichthys olivaceus*) | *Minh Anh Pham, Kyeong-Jun Lee, Tuyet Mai Dang, Se-Jin Lim, Gyung-Yong Ko, Jinee Eo and Dae-Han Oh* (Korea) 1367

ANIMAL PRODUCTS AND APPLIED SCIENCE

192. Carcass Variables and Chemical Composition of Commercial Broiler Chickens and the Red Jungle Fowl | *H. S. Iman Rahayu, I. Zulkifli, M. K. Vidyadaran, A. R. Alimon and S. A. Babjee* (Malaysia) 1376
-