

## Review Articles

- 605–625 **Phytate in pig and poultry nutrition**  
E. Humer; C. Schwarz; K. Schedle
- 626–645 **Molecular insights into the mechanisms of liver-associated diseases in early-lactating dairy cows: hypothetical role of endoplasmic reticulum stress**  
R. Ringseis; D.K. Gessner; K. Eder
- 646–660 **Fungal phytases: characteristics and amelioration of nutritional quality and growth of non-ruminants**  
B. Singh; T. Satyanarayana

## Original Articles

- 661–667 **The effects of exposure duration to optimal concentration of 2-phenoxyethanol on primary and secondary stress responses in kutum (*Rutilus frisii kutum*)**  
M. Javadi Moosavi; M.M. Salahi Ardekani; A. Pirbeigi; S. Ghazi
- 668–675 **Dose-responses of zinc-methionine supplements on growth, blood metabolites and gastrointestinal development in sheep**  
N. Jafarpour; M. Khorvash; H.R. Rahmani; A. Pezeshki; M. Hosseini Ghaffari
- 676–683 **Effect of dietary supplementation with resveratrol on nutrient digestibility, methanogenesis and ruminal microbial flora in sheep**  
T. Ma; D.-D. Chen; Y. Tu; N.-F. Zhang; B.-W. Si; K.-D. Deng; Q.-Y. Diao
- 684–691 **Feeding practice and influence on selected blood parameters in show jumping horses competing in Switzerland**  
J. Brunner; A. Liesegang; S. Weiss; B. Wichert
- 692–700 **Effect of fasting and refeeding on expression of genes involved in the gastric nutrient sensing and orexigenic control of pigs**  
D. Priori; P. Trevisi; M. Mazzoni; S. Messori; P. Bosi
- 701–709 **Effect of L-lysine on expression of selected genes, serum concentration of amino acids, muscle growth and performance of growing pigs**  
A. Morales; H. García; N. Arce; M. Cota; R.T. Zijlstra; B.A. Araiza; M. Cervantes
- 710–718 **Periconceptional undernutrition modifies endocrine profiles and hepatic gene expression in sheep**  
V. de Brun; A. Meikle; A. Casal; M. Sequeira; I. Contreras-Solís; M. Carriquiry; F. Forcada; C. Sosa; J.A. Abecia
- 719–727 **Effects of epigallocatechin gallate on lipid metabolism and its underlying molecular mechanism in broiler chickens**  
J.B. Huang; Y. Zhang; Y.B. Zhou; X.C. Wan; J.S. Zhang
- 728–736 **Standardized ileal digestibility of proteins and amino acids in sesame expeller and soya bean meal in weaning piglets**  
A. Aguilera; T.C. Reis de Souza; G. Mariscal-Landín; K. Escobar; S. Montaña; M.G. Bernal
- 737–746 **Effects of two different rearing protocols for Holstein bull calves in the first 3 weeks of life on health status, metabolism and subsequent performance**  
P. Maccari; S. Wiedemann; H.-J. Kunz; M. Piechotta; P. Sanftleben; M. Kaske
- 747–756 **Glucose transport and milk secretion during manipulated plasma insulin and glucose concentrations and during LPS-induced mastitis in dairy cows**  
J.J. Gross; H.A. van Dorland; O. Wellnitz; R.M. Bruckmaier
- 757–766 **Associations between meal size, gastric emptying and post-prandial plasma glucose, insulin and lactate concentrations in meal-fed cats**  
M. Coradini; J.S. Rand; L.J. Filippich; J.M. Morton; C.A. O'leary
- 767–776 **Effect of an extruded pea or rice diet on postprandial insulin and cardiovascular responses in dogs**  
J.L. Adolphe; M.D. Drew; T.I. Silver; J. Foughse; H. Childs; L.P. Weber
- 777–787 **Effects of pistachio by-products on digestibility, milk production, milk fatty acid profile and blood metabolites in Saanen dairy goats**  
R. Sedighi-Vesagh; A.A. Naserian; M.H. Ghaffari; H.V. Petit
- 788–800 **Gender-specific effects of a phytogetic feed additive on performance, intestinal physiology and morphology in broiler chickens**  
E. Humer; E. Rohrer; W. Windisch; W. Wetscherek; C. Schwarz; L. Jungbauer; K. Schedle