

BEHAVIOUR, WELFARE & ENVIRONMENT

Influence of in-house composting of reused litter on litter quality, ammonia volatilisation and incidence of broiler foot pad dermatitis. R.S. Martins, M.J. Hötzel and R. Poletto 669

Evaluation of a stress model induced by dietary corticosterone supplementation in broiler breeders: effects on egg yolk corticosterone concentration and biochemical blood parameters. E. Babacanoglu, S. Yalçin and S. Uysal 677

Minimum light intensity threshold to prevent negative effects on broiler production and welfare. A. Deep, C. Raginski, K. Schwan-Lardner, B.I. Fancher and H.L. Classen 686

GENETICS

Divergent selection for shape of growth curve in Japanese quail. 7. Effect of egg storage at high temperature on embryo development and hatchability. L. Hyánková and B. Novotná 695

IMMUNOLOGY, HEALTH & DISEASE

Furazolidone in chicken: case study of an incident of widespread contamination. R.J. McCracken and D.G. Kennedy 704

An update on approaches to controlling coccidia in poultry using botanical extracts. M. Bozkurt, I. Giannenas, K. Küçükyılmaz, E. Christaki and P. Florou-Paneri 713

MOLECULAR, CELLULAR & DEVELOPMENTAL BIOLOGY

Changes to daily feed intake during the laying period alters embryonic MSTN and MYOG gene expression in genetically fat and lean lines of chickens. F. Li, A.S. Shan, J.W. Hu, Y.B. Zheng, L.M. Xu and Z.H. Chen 728

NUTRITION & METABOLISM

An antimicrobial peptide-A3: effects on growth performance, nutrient retention, intestinal and faecal microflora and intestinal morphology of broilers. S.C. Choi, S.L. Ingale, J.S. Kim, Y.K. Park, I.K. Kwon and B.J. Chae 738

Enrichment of conjugated linoleic acid (CLA) in hen eggs and broiler chickens meat by lactic acid bacteria. Saqer Herzallah 747

Direct supplementation of diet is the most efficient way of enriching broiler meat with n-3 long-chain polyunsaturated fatty acids. T. Ribeiro, M.M. Lordelo, S.P. Alves, R.J.B. Bessa, P. Costa, J.P.C. Lemos, L.M.A. Ferreira, C.M.G.A. Fontes and J.A.M. Prates 753

Arginine, soy isoflavone and hydroxypropylmethylcellulose have protective effects against obesity in broiler breeder hens fed on high-energy diets. S. Khalaji, M. Zaghari, M. Ganjkanloo and F. Ghaziani 766

Growth performance, carcass traits, meat chemical composition and blood serum metabolites of broiler chicken fed on diets containing flaxseed oil. D.C.N. Lopes, E.G. Xavier, V.L. Santos, F.M. Gonçalves, M.A. Anciuti, V.F.B. Roll, F.A.B. Del Pino, J.O. Feijó and A.A.S. Catalan 780

The effects of dietary 1, 25-dihydroxycholecalciferol and hydroalcoholic extract of Withania somnifera root on bone mineralisation, strength and histological characteristics in broiler chickens. M.T. Mirakzehi, H. Kermanshahi, A. Golian and A.R. Raji 789

Supplementary biotin decreases tibial bone weight, density and strength in riboflavin-deficient starter diets for turkey poults. P.M. Hocking, E. Stevenson and P.M. Beard 801

PHYSIOLOGY, ENDOCRINOLOGY & REPRODUCTION

Effects of breeder age and egg weight on morphological changes in the small intestine of chicks during the hatch window. S. Yalçin, G.T. Izzetoğlu and A. Aktaş 810