BEHAVIOUR, WELFARE, HUSBANDRY & ENVIRONMENT Effects of a high oil and fibre diet and supplementary roughage on performance, injurious pecking and foraging activities in two layer hybrids. R. Kalmendal and H. Wall	153	Effects of fermented plant product on growth performance, some blood variables, carcase characteristics, and intestinal histology in broilers. K. Lokaewmanee, K. Yamauchi and N. Thongwittaya The thermostable β-1,3-1,4-glucanase from	215
GENETICS Many quantitative trait loci for feather growth in an F_2 broiler \times layer cross collocate with body weight loci. P.M. Hocking, D.M. Morrice, A.S. Law and D.W. Burt	162	Clostridium thermocellum improves the nutritive value of highly viscous barley-based diets for broilers. T. Ribeiro, M.M.S. Lordelo, J.A.M. Prates, L. Falcão, J.P.B. Freire, L.M.A. Ferreira and C.M.G.A. Fontes	224
MEAT AND EGG SCIENCE Head-cloaca controlled current stunning: assessment of brain and heart activity and meat quality. E. Lambooij, H.G.M. Reimert, L.D. Workel and V.A. Hindle	168	Effects of diet acidification and xylanase supplementation on performance, nutrient digestibility, duodenal histology and gut microflora of broilers fed wheat based diet. O. Esmaeilipour, H. Moravej, M. Shivazad, M. Rezaian,	
Interaction of transport distance and body weight on preslaughter stress and breast meat quality of broilers. S. Yalçin and H.C. Güler	175	S. Aminzadeh and M.M. Van Krimpen The effects of kale (Brassica oleracea ssp. acephala), basil (Ocimum basilicum) and thyme	235
MICROBIOLOGY In vitro screening of lactobacilli isolated from chicken excreta to control Salmonella Enteritidis and Typhimurium. M. Yamazaki, H. Ohtsu, Y. Yakabe, M. Kishima and H. Abe	183	(Thymus vulgaris) as forage material in organic egg production on egg quality. M. Hammershøj and S. Steenfeldt PARASITOLOGY & PHARMACOKINETICS	245
MOLECULAR BIOLOGY Cloning, expression and bioinformatics analysis of the duck TLR 4 gene. H. Jia, G. Li, J. Li, Y. Tian, D. Wang, J. Shen, Z. Tao, J. Xu and L. Lu	190	Pharmacokinetics of gatifloxacin in broiler chickens following intravenous and oral administration. S.S. Devada, S.D. Patel, H.B. Patel, N.N. Patel, S.K. Bhavsar and A.M. Thaker	257
NUTRITION Effects of high fat diets or prednisolone treatment on femoral head separation in chickens. V. Durairaj, F.D. Clark, C.C. Coon, W.E. Huff, R. Okimoto, G.R. Huff and N.C. Rath	198	PHYSIOLOGY, BIOCHEMISTRY & NEUROBIOLOGY Interaction between ascites susceptibility and CO ₂ during the second half of incubation of two broiler lines: the effect on post-hatch development and ascites mortality. N. Everaert, H. Willemsen, M. Debonne, A. Witters, B. Kamers,	
The effects of phytase and root hydroalcoholic extract of Withania somnifera on productive performance and bone mineralisation of laying		V.M. Darras, J. de Baerdemaeker, E. Decuypere and V. Bruggeman	262
hens in the late phase of production. A.M. Tahmasbi, M.T. Mirakzehi, S.J. Hosseini, M.J. Agah and M. Kazemi Fard	204	Rhodanese activity in different tissues of the ostrich. N. Eskandarzade, M. Aminlari, S. Golami and M. Tavana	270

-