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Education Information

Post Doctorate, Sveriges Lantbruksuniversitet (The Swedish University of Agricultural Sciences), Department Of Animal Nutrition And Management, Sweden 2010 - 2010

Post Doctorate, University of Alberta, College Of Agriculture And Food Science, Dairy Nutrition, Canada 2005 - 2007

Doctorate, University of Wisconsin-Madison, College Of Agriculture And Life Sciences, Dairy Science, United States Of America 1997 - 2001

Postgraduate, Iowa State University of Science and Technology, College Of Agriculture, Animal Science, Nutritional Physiology, United States Of America 1995 - 1997

Postgraduate, Ankara University, Veteriner Fakültesi, Turkey 1987 - 1992

Dissertations

Doctorate, Management of dry matter intake and lipid metabolism to alleviate hepatic lipidosis in periparturient dairy cattle, University Of Wisconsin-Madison, College Of Agriculture And Life Sciences , Dairy Science, 2001

Research Areas

Health Sciences, Veterinary Sciences, Zootechnical and Animal Feed, Animal Nutrition and Nutritional Diseases, Ruminant

Academic Titles / Tasks

Professor, Ataturk University, Veteriner Fakültesi, Zootekni ve Hayvan Besleme, 2011 - Continues

Associate Professor, Ataturk University, Veteriner Fakültesi, Zootekni ve Hayvan Besleme, 2010 - 2010

Assistant Professor, Ataturk University, Veteriner Fakültesi, Zootekni ve Hayvan Besleme, 2002 - 2010

Advising Theses

HAYIRLI A., YAYGIN MİKOTOKSİNLERİN AMMONİZASYONLA ELİMİNASYONU, Doctorate, V.DOĞAN(Student), 2019

HAYIRLI A., HUMATIN KURŞUN ZEHİRLENMESİNDE ŞELATÖR ETKİSİ, Doctorate, H.İSKENDER(Student), 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The negative effects of cold conditions on pregnancy rates in dairy cows**
CENGİZ M., HAYIRLI A., Ballı B.
ANKARA UNIVERSİTESİ VETERİNER FAKULTESİ DERGİSİ, vol.69, no.1, pp.77-82, 2022 (SCI-Expanded)
- II. **Effects of oleanolic acid on inflammation and metabolism in diabetic rats**
İskender H., Dokumacıoğlu E., Kapakın K. A. T., YENİCE G., Mohtare B., BOLAT İ., HAYIRLI A.
Biotechnic and Histochemistry, vol.97, no.4, pp.269-276, 2022 (SCI-Expanded)
- III. **Effects of high fructose diet on lipid metabolism and the hepatic NF-kappa B/ SIRT-1 pathway**
İSKENDER H., YENİCE G., TERİM KAPAKİN K. A., DOKUMACIOĞLU E., SEVİM Ç., HAYIRLI A., ALTUN S.
BIOTECHNIC & HISTOCHEMISTRY, vol.97, no.1, pp.30-38, 2022 (SCI-Expanded)
- IV. **A reliable method using the cytobrush for diagnosis of subclinical endometritis in dairy cattle during the late lactational period**
CENGİZ M., ALTUN S., ÇOMAKLI S., CENGİZ S., HAYIRLI A.
ANIMAL REPRODUCTION SCIENCE, vol.235, 2021 (SCI-Expanded)
- V. **Astaxanthin alleviates renal damage of rats on high fructose diet through modulating NF kappa B/SIRT1 pathway and mitigating oxidative stress**
İskender H., Yenice G., Dokumacıoğlu E., Hayırlı A., Sevim Ç., Dokumacıoğlu A., Kapakın K. A.
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, vol.126, no.1, pp.89-93, 2020 (SCI-Expanded)
- VI. **Efficacy of Megasphaera elsdenii inoculation in subacute ruminal acidosis in cattle**
Arik H. D., Gulsen N., HAYIRLI A., Alatas M. S.
JOURNAL OF ANIMAL PHYSIOLOGY AND ANIMAL NUTRITION, vol.103, no.2, pp.416-426, 2019 (SCI-Expanded)
- VII. **Dietary bromelain supplementation for improving laying performance, egg quality and antioxidant status Nahrungsergänzung mit bromelain zur Verbesserung der Legeleistung, der Eiqualität und des Antioxidanzzustandes**
YENİCE G., İskender H., Dokumacıoğlu E., KAYNAR Ö., KAYA A., HAYIRLI A., SEZMİŞ G.
European Poultry Science, vol.83, 2019 (SCI-Expanded)
- VIII. **Investigation of the effect of repeated use of PRIVD on serum progesterone, estrogen levels, and ovulatory follicle diameter in pubertal heifers**
ÇOLAK A., Chacher M. F. A., CENGİZ M., HAYIRLI A.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.43, no.1, pp.110-116, 2019 (SCI-Expanded)
- IX. **Combination of amylopectin and chromium form improves energy storage and reduces muscle fatigue in rats during exhaustive exercise**
Irmak M., ŞAHİN N., ORHAN C., TUZCU M., Deeh P. B. D., Yardim M., HAYIRLI A., Komorowski J., Sahin K.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.43, no.1, pp.44-53, 2019 (SCI-Expanded)
- X. **Interrelationships among plasma metabolites, production, and ovarian follicular function in dairy cows**
MACMILLAN K., HAYIRLI A., Doepe L., DYCK B., SUBRAMANIAM E., AMBROSE D., COLAZO M.
CANADIAN JOURNAL OF ANIMAL SCIENCE, vol.98, no.4, pp.631-641, 2018 (SCI-Expanded)
- XI. **Effects of astaxanthin on biochemical and histopathological parameters related to oxidative stress on testes of rats on high fructose regime**
Dokumacıoğlu E., İskender H., Yenice G., Kapakın K. A., Sevim C., Hayırlı A., Saral S., Comaklı S.
Andrologia, vol.50, 2018 (SCI-Expanded)
- XII. **Effects of the supplemental chromium form on performance and metabolic profile in laying hens exposed to heat stress**
ŞAHİN N., HAYIRLI A., ORHAN C., TUZCU M., KOMOROWSKI J., ŞAHİN K.
POULTRY SCIENCE, vol.97, no.4, pp.1298-1305, 2018 (SCI-Expanded)
- XIII. **Effects of dietary supplementation of arginine-silicate-inositol complex on absorption and metabolism of calcium of laying hens**
Sahin K., Orhan C., Tuzcu M., HAYIRLI A., Komorowski J. R., Sahin N.
PLOS ONE, vol.13, no.1, 2018 (SCI-Expanded)
- XIV. **Comparison of the effects of dietary supplementation of flavonoids on laying hen performance, egg**

quality and egg nutrient profile

Iskender H., Yenice G., Dokumacioglu E., Kaynar Ö., Hayırlı A., Kaya A.
British Poultry Science, vol.58, pp.550-556, 2017 (SCI-Expanded)

- XV. **Vector-Borne Pathogens in Stray Dogs in Northeastern Turkey**
GÜVEN E., AVCIOĞLU H., CENGİZ S., HAYIRLI A.
VECTOR-BORNE AND ZONOTIC DISEASES, vol.17, no.8, pp.610-617, 2017 (SCI-Expanded)
- XVI. **Estimating the outcome of umbilical diseases based on clinical examination in calves: 322 cases**
Yanmaz L. E., Doğan E., Okumus Z., Kaya M., Hayırlı A.
Israel Journal of Veterinary Medicine, vol.72, pp.40-44, 2017 (SCI-Expanded)
- XVII. **Utilization of Cryopreserved Ruminal Liquor in In Vitro Gas Production Technique for Evaluating Nutritive Value of Some Feedstuffs**
GÜLŞEN N., Arik H. D., HAYIRLI A., ALATAŞ M. S., AKSOY M.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.23, no.2, pp.325-332, 2017 (SCI-Expanded)
- XVIII. **Efficacy of repeatedly used CIDR device in cattle reproduction: a metaanalysis review of progesterone concentration and conception rate**
CHACHER M. F. A., ÇOLAK A., HAYIRLI A.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.41, no.5, pp.692-697, 2017 (SCI-Expanded)
- XIX. **Optical density changes in ultrasonographic images of the endometrium and corpus luteum in pregnant and cyclic cows**
CENGİZ M., ÇOLAK A., HAYIRLI A., Cannazik O.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.41, no.1, pp.18-24, 2017 (SCI-Expanded)
- XX. **The Effect of Humic Acid Substances on the Thyroid Function and Structure in Lead Poisoning**
Sahin A., Iskender H., Kapakin T. K. A., ALTINKAYNAK K., HAYIRLI A., GONULTAS A., KAYNAR Ö.
BRAZILIAN JOURNAL OF POULTRY SCIENCE, vol.18, no.4, pp.649-653, 2016 (SCI-Expanded)
- XXI. **The effects of dietary flavonoid supplementation on the antioxidant status of laying hens**
Iskender H., Yenice G., Dokumacioglu E., Kaynar Ö., Hayırlı A., Kaya A.
Revista Brasileira de Ciencia Avicola, vol.18, pp.663-668, 2016 (SCI-Expanded)
- XXII. **Anticoccidal Efficacy of Usnic Acid in Broilers**
GÜVEN E., AVCIOĞLU H., Aslan A., HAYIRLI A.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.22, no.4, pp.551-556, 2016 (SCI-Expanded)
- XXIII. **The diagnostic value of two commercially available human cTnI assays in goat kids with myocarditis**
KARAPINAR T., ERÖKSÜZ Y., HAYIRLI A., BEYTUT E., KAYNAR Ö., Baydar E., SÖZDUTMAZ İ., İŞİDAN H.
VETERINARY CLINICAL PATHOLOGY, vol.45, no.1, pp.164-171, 2016 (SCI-Expanded)
- XXIV. **Quality of Eggs in different production systems**
Yenice G., Kaynar Ö., İleritürk M., Hıra F., Hayırlı A.
Czech Journal of Food Sciences, vol.34, pp.370-376, 2016 (SCI-Expanded)
- XXV. **Reliability of the Lactate Scout point-of-care instrument for the determination of blood L-lactate concentration in sheep**
KAYNAR Ö., Karapinar T., HAYIRLI A., Baydar E.
VETERINARY CLINICAL PATHOLOGY, vol.44, no.4, pp.559-563, 2015 (SCI-Expanded)
- XXVI. **Protective effects of resveratrol against streptozotocin-induced diabetes in rats by modulation of visfatin/sirtuin-1 pathway and glucose transporters**
Gencoglu H., Tuzcu M., HAYIRLI A., Sahin K.
INTERNATIONAL JOURNAL OF FOOD SCIENCES AND NUTRITION, vol.66, no.3, pp.314-320, 2015 (SCI-Expanded)
- XXVII. **Chromium-histidinate ameliorates productivity in heat-stressed Japanese quails through reducing oxidative stress and inhibiting heat-shock protein expression**
Akdemir F., Sahin N., Orhan C., Tuzcu M., Sahin K., HAYIRLI A.
BRITISH POULTRY SCIENCE, vol.56, no.2, pp.247-254, 2015 (SCI-Expanded)
- XXVIII. **Reliability of the i-STAT for the determination of blood electrolyte (K⁺, Na⁺, and Cl⁻) concentrations in cattle**
Yildirim E., Karapinar T., HAYIRLI A.

- JOURNAL OF VETERINARY INTERNAL MEDICINE, vol.29, no.1, pp.388-394, 2015 (SCI-Expanded)
- XXIX. **Breed, parity, and cycle season effects on life-time reproduction in bitches: a retrospective study**
POLAT B., ÇOLAK A., CENGİZ M., CANNAZİK O., HAYIRLI A.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.39, no.5, pp.543-549, 2015 (SCI-Expanded)
- XXX. **Sampling factors causing variability in milk constituents in early lactation cows**
Cengiz M., Kaynar Ö., Cannazik O., İleritürk M., Cengiz S., Hayırlı A.
VETERINARNI MEDICINA, vol.60, no.1, pp.6-19, 2015 (SCI-Expanded)
- XXXI. **Evaluation of Coprological and Serological Techniques For Diagnosis of Bovine Fasciolosis**
AVCIOĞLU H., GÜVEN E., BALKAYA İ. S., KAYNAR Ö., HAYIRLI A.
ISRAEL JOURNAL OF VETERINARY MEDICINE, vol.69, no.4, pp.203-210, 2014 (SCI-Expanded)
- XXXII. **Taurine ameliorates neuropathy via regulating NF-kappa B and Nrf2/HO-1 signaling cascades in diabetic rats**
AĞCA C. A., TUZCU M., Hayirli A., Sahin K.
FOOD AND CHEMICAL TOXICOLOGY, vol.71, pp.116-121, 2014 (SCI-Expanded)
- XXXIII. **Endometrial echotexture parameters in Turkish Saanen Goats (Akkeci) during oestrus and early pregnancy**
CENGİZ M., Kanca H., Salar S., Bastan A., Kucukaslan I., Alkan H., Karakas K., Yuksel O., HAYIRLI A.
ANIMAL REPRODUCTION SCIENCE, vol.146, pp.27-33, 2014 (SCI-Expanded)
- XXXIV. **Melatonin administration aids bone healing in diabetic rats**
KAYA G., Kaya M., GURSAN N., KIZILTUNÇ A., ALP H., BALTA H., HAYIRLI A.
Israel Journal of Veterinary Medicine, vol.68, no.3, pp.158-166, 2013 (SCI-Expanded)
- XXXV. **Chromium modulates expressions of neuronal plasticity markers and glial fibrillary acidic proteins in hypoglycemia-induced brain injury**
ŞAHİN K., TUZCU M., ORHAN C., Ali S., ŞAHİN N., GENÇOĞLU H., ÖZKAN Y., HAYIRLI A., GÖZEL N., Komorowski J. R.
LIFE SCIENCES, vol.93, pp.1039-1048, 2013 (SCI-Expanded)
- XXXVI. **Prevalence of Cryptosporidiosis and Molecular Characterization of Cryptosporidium spp. in Calves in Erzurum**
GÜVEN E., AVCIOĞLU H., BALKAYA İ., HAYIRLI A., Kar S., Karaer Z.
KAFKAS UNIVERSİTESİ VETERİNER FAKULTESİ DERGİSİ, vol.19, no.6, pp.969-974, 2013 (SCI-Expanded)
- XXXVII. **Evaluation of 4 Point-of-Care Units for the Determination of Blood L-Lactate Concentration in Cattle**
Karapınar T., Kaynar O., HAYIRLI A., Kom M.
JOURNAL OF VETERINARY INTERNAL MEDICINE, vol.27, no.6, pp.1596-1603, 2013 (SCI-Expanded)
- XXXVIII. **Berberis vulgaris root extract alleviates the adverse effects of heat stress via modulating hepatic nuclear transcription factors in quails**
ŞAHİN K., ORHAN C., TUZCU M., Borawska M. H., Jablonski J., Guler O., ŞAHİN N., HAYIRLI A.
BRITISH JOURNAL OF NUTRITION, vol.110, no.4, pp.609-616, 2013 (SCI-Expanded)
- XXXIX. **Epigallocatechin-3-gallate exerts protective effects against heat stress through modulating stress-responsive transcription factors in poultry**
Orhan C., Tuzcu M., Gencoglu H., Sahin N., HAYIRLI A., Sahin K.
BRITISH POULTRY SCIENCE, vol.54, no.4, pp.447-453, 2013 (SCI-Expanded)
- XL. **Evaluation of computational modifications in HPTLC with Gel analysis software and flatbed scanner for lipid separation**
Kaynar Ö., İleritürk M., Hayırlı A.
Journal of Planar Chromatography - Modern TLC, vol.26, pp.202-208, 2013 (SCI-Expanded)
- XLI. **The Protective Effect of Resveratrol in Experimentally Induced Non-Sterile Clean Wound Inflammation in Rats**
Hismiogullari S. E., Hismiogullari A. A., Yavuz M. T., Yavuz O., Yaman I., Seyrek K., HAYIRLI A., Rahman K.
KAFKAS UNIVERSİTESİ VETERİNER FAKULTESİ DERGİSİ, vol.19, 2013 (SCI-Expanded)
- XLII. **The Effects of Chromium Picolinate and Chromium Histidinate Administration on NF-kappa B and Nrf2/HO-1 Pathway in the Brain of Diabetic Rats**
ŞAHİN K., TUZCU M., ORHAN C., GENÇOĞLU H., ULAŞ M., Atalay M., ŞAHİN N., HAYIRLI A., Komorowski J. R.

- BIOLOGICAL TRACE ELEMENT RESEARCH, vol.150, pp.291-296, 2012 (SCI-Expanded)
- XLIII. **Negative Energy Balance in Dairy Cattle and Its Metabolic Indicators**
Serbester U., Cinar M., HAYIRLI A.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.18, no.4, pp.705-711, 2012 (SCI-Expanded)
- XLIV. **The Effect of Amniotic Membrane on Serum Biochemical Parameters in Experimentally Induced Non Sterile Clean Wound Inflammation**
HIŞMİOĞULLARI Ş. E., HIŞMİOĞULLARI A. A., YAMAN İ., YAVUZ Ö., SEYREK K., KARACA SAYGILI Ö., KARA C., HAYIRLI A.
Kafkas Üniversitesi Veteriner Fakültesi Dergisi, vol.18, pp.407-411, 2012 (SCI-Expanded)
- XLV. **Tomato powder in laying hen diets: effects on concentrations of yolk carotenoids and lipid peroxidation**
Akdemir F., Orhan C., Sahin N., Sahin K., HAYIRLI A.
BRITISH POULTRY SCIENCE, vol.53, no.5, pp.675-680, 2012 (SCI-Expanded)
- XLVI. **The Effects of Chromium Complex and Level on Glucose Metabolism and Memory Acquisition in Rats Fed High-Fat Diet**
Sahin K., Tuzcu M., Orhan C., Agca C. A., Sahin N., Guvenc M., Krejpcio Z., Staniek H., HAYIRLI A.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.143, no.2, pp.1018-1030, 2011 (SCI-Expanded)
- XLVII. **Peripartum responses of dairy cows to prepartal feeding level and dietary fatty acid source**
HAYIRLI A., Keisler D. H., Doepel L.
JOURNAL OF DAIRY SCIENCE, vol.94, no.2, pp.917-930, 2011 (SCI-Expanded)
- XLVIII. **Exclusion of dietary sodium bicarbonate from a wheat-based diet: Effects on milk production and ruminal fermentation**
Doepel L., HAYIRLI A.
JOURNAL OF DAIRY SCIENCE, vol.94, no.1, pp.370-375, 2011 (SCI-Expanded)
- XLIX. **Role of lactulose as a modifier in rumen fermentation**
HAYIRLI A., Umucalilar H. D., Gulsen N., Citil O. B.
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- L. **Epigallocatechin-3-gallate prevents lipid peroxidation and enhances antioxidant defense system via modulating hepatic nuclear transcription factors in heat-stressed quails**
Sahin K., Orhan C., Tuzcu M., ALI S., Sahin N., HAYIRLI A.
POULTRY SCIENCE, vol.89, no.10, pp.2251-2258, 2010 (SCI-Expanded)
- LI. **Effects of supplemental chromium sources and levels on performance, lipid peroxidation and proinflammatory markers in heat-stressed quails**
Sahin N., Akdemir F., Tuzcu M., HAYIRLI A., Smith M. O., Sahin K.
ANIMAL FEED SCIENCE AND TECHNOLOGY, vol.159, pp.143-149, 2010 (SCI-Expanded)
- LII. **Sensitivity and specificity of infrared thermography in detection of subclinical mastitis in dairy cows**
Polat B., Çolak A., Cengiz M., Yanmaz L. E., Oral H., Bastan A., Kaya S., Hayırlı A.
JOURNAL OF DAIRY SCIENCE, vol.93, no.8, pp.3525-3532, 2010 (SCI-Expanded)
- LIII. **Effects of dietary resveratrol supplementation on egg production and antioxidant status**
Sahin K., Akdemir F., Orhan C., Tuzcu M., HAYIRLI A., Sahin N.
POULTRY SCIENCE, vol.89, no.6, pp.1190-1198, 2010 (SCI-Expanded)
- LIV. **Sunflower oil supplementation alters meat quality but not performance of growing partridges (Alectoris chukar)**
Gulsen N., Umucalilar H. D., Kirikci K., HAYIRLI A., Aktumsek A., Alasahan S.
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- LV. **Potential role of inulin in rumen fermentation**
UMUCALILAR H. D., GÜLŞEN N., HAYIRLI A., ALATAŞ M. S.
REVUE DE MEDECINE VETERINAIRE, vol.161, no.1, pp.3-9, 2010 (SCI-Expanded)
- LVI. **Role of dietary zinc in heat-stressed poultry: A review**
Sahin K., Sahin N., Kucuk O., HAYIRLI A., Prasad A. S.
POULTRY SCIENCE, vol.88, no.10, pp.2176-2183, 2009 (SCI-Expanded)

- LVII. **Effects of increasing amounts of dietary wheat on performance and ruminal fermentation of Holstein cows**
Doepel L., Cox A., HAYIRLI A.
JOURNAL OF DAIRY SCIENCE, vol.92, no.8, pp.3825-3832, 2009 (SCI-Expanded)
- LVIII. **Reproductive performance of dairy cows is influenced by prepartum feed restriction and dietary fatty acid source**
Colazo M. G., Hayirli A., Doepel L., Ambrose D. J.
JOURNAL OF DAIRY SCIENCE, vol.92, no.6, pp.2562-2571, 2009 (SCI-Expanded)
- LIX. **Cell Viability of Normal Human Skin Fibroblast and Fibroblasts Derived from Granulation Tissue: Effects of Nutraceuticals**
Borawska M. H., Czechowska S. K., MARKIEWICZ R., HAYIRLI A., OLSZEWSKA E., Sahin K.
JOURNAL OF MEDICINAL FOOD, vol.12, no.2, pp.429-434, 2009 (SCI-Expanded)
- LX. **Effects of Various Chemical Treatments on Nutritive Value of the Rosehip (*Rosa canina* L.) Seed for the Ruminant Animals**
TURGUT L., HAYIRLI A., KAYA A.
Journal of Animal and Veterinary Advances, vol.7, no.10, pp.1227-1236, 2008 (SCI-Expanded)
- LXI. **beta-Glucanase-producing bacterial culture improves performance and nutrient utilization and alters gut morphology of broilers fed a barley-based diet**
ÖNDERCİ M., Sahin N., CIKIM G., Aydin A., Ozercan I., Ozkose E., Ekinci S., HAYIRLI A., Sahin K.
ANIMAL FEED SCIENCE AND TECHNOLOGY, vol.146, pp.87-97, 2008 (SCI-Expanded)
- LXII. **Comparison of the Efficacy of the Administration Route of D-Cloprostenol to Induce Abortion in Undesirable Pregnancy**
ÇOLAK A., Oral H., Pancarci S. M., HAYIRLI A.
Journal of Animal and Veterinary Advances, vol.7, no.8, pp.903-906, 2008 (SCI-Expanded)
- LXIII. **Lycopene-enriched quail egg as functional food for humans**
Sahin N., Akdemir F., Orhan C., Kucuk O., HAYIRLI A., Sahin K.
FOOD RESEARCH INTERNATIONAL, vol.41, no.3, pp.295-300, 2008 (SCI-Expanded)
- LXIV. **Short communication: Early detection of mastitis using infrared thermography in dairy cows**
Çolak A., Polat B., Okumus Z., Kaya M. D., Yanmaz L. E., Hayirli A.
Journal of Dairy Science, vol.91, pp.4244-4248, 2008 (SCI-Expanded)
- LXV. **Nutrient composition of mistletoe (*Viscum album*) and its nutritive value for ruminant animals**
Umucalilar H. D., Guelsen N., COŞKUN B., Hayirli A., DURAL H.
AGROFORESTRY SYSTEMS, vol.71, no.2, pp.77-87, 2007 (SCI-Expanded)
- LXVI. **Physiological profile of juvenile rats: effects of cage size and cage density**
Yildiz A., Hayirli A., Okumus Z., Kaynar O., KISA F.
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- LXVII. **Effect of dexamethasone on the treatment of lung oedema induced by oleic acid in dogs**
BÖRKÜ M. K., ÖZKANLAR Y., SAĞLAM Y. S., HAYIRLI A., HANEDAN B., KARAKURUM M. Ç., AKTAŞ M. S., KIRMIZIGÜL A. H.
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- LXVIII. **Impacts of calcium addition and different oil types and levels on in vitro rumen fermentation and digestibility**
GÜLŞEN N., UMUCALILAR H. D., İNAL F., Hayirli A.
ARCHIVES OF ANIMAL NUTRITION, vol.60, no.6, pp.443-453, 2006 (SCI-Expanded)
- LXIX. **Effects of cage location and tier level with respect to light intensity in semiconfined housing on egg production and quality during the late laying period**
YILDIZ A., LAÇİN E., HAYIRLI A., MACİT M.
Journal of Applied Poultry Research, vol.15, no.3, pp.335-361, 2006 (SCI-Expanded)
- LXX. **The effects of vitamin D supplementation to peak-producing hens fed diets differing in fat source and level on laying performance, metabolic profile, and egg quality**
Turgut L., Hayirli A., Celebi S., Yoruk M. A., Gul M., Karaoglu M., Macit M.

- ASIAN-AUSTRALASIAN JOURNAL OF ANIMAL SCIENCES, vol.19, no.8, pp.1179-1189, 2006 (SCI-Expanded)
- LXXI. **Effects of additives on laying performance, metabolic profile, and egg quality of hens fed a high level of sorghum (*Sorghum vulgare*) during the peak laying period**
İMİK H., HAYIRLI A., TURGUT L., LAÇİN E., CELEBİ S., KOC F., YILDIZ L.
ASIAN-AUSTRALASIAN JOURNAL OF ANIMAL SCIENCES, vol.19, no.4, pp.573-581, 2006 (SCI-Expanded)
- LXXII. **The effects of vitamin D supplementation to peak-producing hens fed diets containing different tat source and level on laying performance, metabolic profile. and egg quality**
TURGU L., HAYIRLI A., ÇELEBİ Ş., GÜEL M., YOERUEK M. A., KARAOĞLU M. M., MACİT M.
POULTRY SCIENCE, vol.85, pp.10-11, 2006 (SCI-Expanded)
- LXXIII. **Differences in light intensity by cage location and tier level affect egg production and quality**
Yıldız A., Hayırlı A., Laçin E., Macit M.
POULTRY SCIENCE, vol.85, pp.18, 2006 (SCI-Expanded)
- LXXIV. **Feeding laying hens low-tanning sorghum does not necessitate extra supplements (methionine, lysine, choline or sulfur)**
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