

TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES

http://journals.tubitak.gov.tr/veterinary/



Published by the Scientific and Technological Research Council of Turkey

TURKISH JOURNAL OF VETERINARY AND ANIMAL SCIENCES

Editor-in-Chief Mehmet BAŞALAN Kırıkkale University, Turkey **VOLUME 43 • ISSUE 2 • 2019** ISSN 1300-0128 • E-ISSN 1303-6181

SCOPE OF JOURNAL

- The Turkish Journal of Veterinary and Animal Sciences is published electronically 6 times a year by the Scientific and Technological Research Council of Turkey (TÜBİTAK).
- Accepts English-language manuscripts on all aspects of veterinary medicine and animal sciences.
- Contribution is open to researchers of all nationalities.
- Original research articles, review articles, short communications, case reports, and letters to the editor are welcome.
- Manuscripts related to economically important large and small farm animals, poultry, equine species, aquatic species, and bees, as well as companion animals such as dogs, cats, and cage birds, are particularly welcome.
- Contributions related to laboratory animals are only accepted for publication with the understanding that the subject is crucial for veterinary medicine and animal science.
- Manuscripts written on the subjects of basic sciences and clinical sciences related to veterinary medicine, nutrition, and nutritional diseases, as well as the breeding and husbandry of the above-mentioned animals and the hygiene and technology of food of animal origin, have priority for publication in the journal.
- A manuscript suggesting that animals have been subjected to adverse, stressful, or harsh conditions or treatment will not be processed for publication unless it has been approved by an institutional animal care committee or the equivalent thereof.
- The editor and the peer reviewers reserve the right to reject papers on ethical grounds when, in their opinion, the severity of experimental procedures to which animals are subjected is not justified by the scientific value or originality of the information being sought by the author(s).

ABSTRACTED AND INDEXED

- Science Citation Index Expanded
- Scopus
- Academic Search Complete

CONTENTS

The influence of haptoglobin phenotype on differential leukocyte count in neonatal calves Elena KALAEVA, Olga ZEMLYANUKHINA, Vladislav KALAEV, Kseniya EFIMOVA, Anton CHERNITSKIY, Nikolay KAVERIN, Vladimir SAFONOV	177
Ovarian stimulation induces high expression of interleukin-1β and disrupts the histological features of the fallopiantube	186
Mahmoud MOUSSA, Sameh Mohamed FAROUK	
Optimized oral supplementation of vitamins improves feed intake and rumen microbial protein synthesis in Deoni cows	197
Ashwin KANDATHIL, Srinivas BANDLA	
Evaluation of the in vivo efficacy of pumpkin (<i>Cucurbita pepo</i>) seeds against gastrointestinal helminths of chickens Jezie A. ACORDA, Imma Ysabela Emille C. MANGUBAT, Billy P. DIVINA	206
A comparative phylotyping analysis of <i>E. coli</i> originating from avian colibacillosis based on the Clermont triplex scheme and <i>gyrA</i> gene sequencing	212
Methods of diagnosis and treatment of postpartum uterine infection adopted by Algerian veterinarians Hamza RAHAB, Alessandro RICCI, Ahmed KASSAH-LAOUAR, Christian HANZEN	218
Proliferation effects of phenylboronic acid and boric acid on canine peripheral blood mononuclear cells Uçkun Sait UÇAN, Zafer SAYIN	229
Sequence characterization of full-length S ₁ gene of infectious bronchitis viruses isolated from poultry farms in	
Khorasan Razavi, Iran Yeganeh YOUSEFI, Mohammad Reza BASSAMI, Gholam Ali KALIDARI, Mohammad Mehdi GHAHRAMANI SENO	235
Effects of the Feeds Containing Hazelnut Meal as Plant Protein Source on Growth Performance and Body Composition of Siberian sturgeon (<i>Acipenser baeri</i>) and Economic Profitability Value	244
Correlations between egg weight, early embryonic development, and some hatching characteristics of Japanese quail (<i>Coturnix japonica</i>)	253
Evaluation of milk glutathione peroxidase and superoxide dismutase levels in subclinical mastitis in Damascus goats İsfendiyar DARBAZ, Seçkin SALAR, Serkan SAYINER, İdil BAŞTAN, Osman ERGENE, Ayhan BAŞTAN	259
Management of a <i>Coxiella burnetii</i> -infected sheep flock after an outbreak of Q fever in humans Jana AVBERŠEK, Mateja PATE, Andrej ŠKIBIN, Matjaž OCEPEK, Brane KRT	264
Assessment of asymmetric dimethyl arginine, cardiac troponin I, thyroxine, cholesterol, and triglyceride levels in obese dogs and dogs with normal body condition	271
Accumulation and histological transformation in the gills, liver, muscles, and skin in <i>Oreochromis niloticus</i> induced by mercury	
Electrocardiogram and serum cardiac biomarkers changes in FMD in cattle Ali Abbas NIKVAND, Seyedeh Misagh JALALI, Mohammad NOURI, Alireza GHADRDAN MASHHADI, Soroush HASSANPOUR AMIRABADI	285
Prolonged gestation in a Swedish Red cow due to fetal unilateral adrenal gland dysgenesis Ebru KARAKAYA BİLEN, Ahmet AKKOÇ, Barış GÜNER, Gülnaz YILMAZBAŞ MECİTOĞLU, Ahmet GÜMEN, Abdulkadir KESKİN	292
Management of dystocia due to unilateral uterine torsion in a Labrador bitch: a surgical approach Sameer Ali MOHAMED, Kavitha KANNAN, Arunmozhi NARAYANASAMY, Sankar PALANISAMY, Sridevi PURUSHOTHAMAN	296