

## CONTENTS

### Research Article

- Assessment of the feather score and health score in laying hens reared at different cage densities  
**Uğur Özentürk, Ahmet Yıldız, Murat Genç** 1
- Investigation of the neuroprotective effect of kefir in experimental spinal cord injury  
**Ziya Yurtal, Tuncer Kutlu, Muhammed Enes Altuğ, Bülent Özsoy, Halil Alakuş, Şule Yurdagül Özsoy** 9
- Evaluation of the effect of albendazole and *Nigella sativa* combination on Visceral Larvae Migrants (*Toxocara canis*) in mice  
**Ceren Aştı, Hatice Öge** 21
- Effect of nano-selenium and different stocking densities on performance, carcass yield, meat quality, and feathering score of broilers  
**Ömer Sevim, Umair Ahsan, Onur Tatlı, Eren Kuter, Ehsan Karimiyan Khamseh, Artun Reman Temiz, Özge Sayın Özdemir, Aybala Kübra Aydın, Bekir Hakan Köksal, Özcan Cengiz, Ahmet Gökhan Önel** 29
- Serum ANGPTL4 and FGF2, energy-related blood biochemicals, cytokine responses and oxidative stress in dairy cows with subclinical ketosis  
**Efe Kurtdede, Arif Kurtdede, Naci Öcal, Erdal Kara** 37
- Vertebral heart score and cardiothoracic ratio in Wistar rats  
**Elif Doğan, Sitkican Okur, Armağan Hayırlı, Zafer Okumuş** 43
- Rapid molecular detection and isolation of canine distemper virus in naturally infected dogs  
**Hasbi Sait Saltık, Mehmet Kale** 49
- A morphological and stereological investigation on the tongue of the merlin  
**Mehmet Aydın Akalan, Aysun Çevik Demirkan, İsmail Türkmenoğlu, İbrahim Demirkan, Vural Özdemir, Murat Sırrı Akosman** 57
- First detection of carbapenem resistance in Enterobacteriaceae isolates isolated from dairy cows' mastitis infection in Türkiye  
**Orkun Babacan** 65
- Presence of SARS-CoV-2 on surfaces and materials in supermarket social areas in Türkiye  
**Muammer Göncüoğlu, Naim Deniz Ayaz, Sabri Hacıoğlu, Samiye Öznur Yeşil, Özcan Yıldırım, Cevdet Yaralı, Harun Seçkin, Bekir Pakdemirli** 75
- Dynamic thiol-disulphide homeostasis and ischemia modified albumin levels in neonatal calf diarrhea  
**Osman Safa Terzi, Erdal Kara, Yasin Senel, Ebubekir Ceylan, Salim Neselioglu, Ozcan Erel** 81
- Investigation of the *in vitro* antibacterial, cytotoxic and *in vivo* analgesic effects of silver nanoparticles coated with *Centella asiatica* plant extract  
**Ogün Bozkaya, Hüsamettin Ekici, Zehra Gün Gök, Esra Arat, Seda Ekici, Mustafa Yiğitoğlu, İbrahim Vargel** 87

### Short Communication

- Use of PCR for detection of *Burkholderia mallei* in Türkiye  
**Seda Ekici, Orhan Dudaklı, Dilek Dülger, Maksut Murat Maden, Ayşe Demirhan** 97

### Case Report

- Cutaneous clear cell adnexal carcinoma in two dogs: cytological and immunohistochemical evaluation  
**Mehmet Fatih Bozkurt, Muhammad Nasir Bhaya, Alper Nişancı** 101

### Review

- Microbial Biofilms in Veterinary Medicine  
**Fadime Kıran, Başar Karaca, Ali Furkan Erdoğan** 107