



July - 2022



# VAN VETERINARY JOURNAL

This journal previously published as: **Yüzüncü Yıl Üniversitesi Veteriner Fakültesi Dergisi**

ISSN: 2149-3359

E-ISSN: 2149-8644

## Owner

Prof. Dr. Musa GENÇCELEP (Dean)

## Editor-in Chief

Prof. Dr. Cumali ÖZKAN

Van YU, Faculty of Veterinary, Journal Editorial, 65080 - Campus / Van - Turkey

Tel: +90 (432) 225 10 28 Fax: +90 (432) 225 11 27 e-mail: vfd@yyu.edu.tr

## Editors (Editorial Board)

Assist. Prof. Dr. Caner KAYIKCI (Co-Editor)	Res. Assist. Dr. Halil Cumhuri YILMAZ (Electronic Journal Editor)
Assist. Prof. Dr. Nebi ÇETİN (Technical Editor)	Assoc. Prof. Dr. Bekir OĞUZ (Proof Quality Editor)
Assist. Prof. Dr. Yağmur KUŞCU (Technical Editor)	Assoc. Prof. Dr. Adnan AYAN (Proof Quality Editor)
Assoc. Prof. Dr. Gamze ÇAKMAK (Language Editor)	Assoc. Prof. Dr. Abdullah KARASU (Section Editor)
Assist. Prof. Dr. Mustafa ÖZBEK (Language Editor)	Assoc. Prof. Dr. Leyla MİS (Section Editor)
Prof. Dr. Abdullah YEŞİLOVA (Statistical Editor)	Assoc. Prof. Dr. Turan YAMAN (Section Editor)
Assist. Prof. Dr. Sadi ELASAN (Statistical Editor)	Assist. Prof. Dr. Tuncer ÇAKMAK (Section Editor)
Assist. Prof. Dr. Ahmet Fatih DEMİREL (Electronic Journal Editor)	Assist. Prof. Dr. Çağrı KALE (Section Editor)

## Publication Board

Dr. Abdullah KAYAR (Istanbul University-Cerrahpasa)	Dr. Jose Ramiro GONZALEZ MONTANA (University of Leon - Spain)
Dr. Ahmet Cihat ÖNER (Van Yuzuncu Yil University)	Dr. M. Saleem AKHTAR (Bahauddin Zakariya University - Pakistan)
Dr. Ali Evren HAYDARDEDEOĞLU (Aksaray University)	Dr. Madalina G. ALBU KAYA (INCETP Institute - Romania)
Dr. Ali Rıza BABAOĞLU (Van Yuzuncu Yil University)	Dr. Memiş BOLACALI (Siirt University)
Dr. Ardavan FARHADI (Shantou University - China)	Dr. Mian Muhammed AWAİS (Bahauddin Zakariya University - Pakistan)
Dr. Askarbek TULEBAEV (Manas University - Kyrgyzstan)	Dr. Mojtaba RAEİSİ (Golestan university - Iran)
Dr. Axel WEHREND (Giessen University - Germany)	Dr. Murat GÜZEL (Ondokuz Mayıs University)
Dr. Aynur ŞİMŞEK (Dicle University)	Dr. Okan EKİM (Ankara University)
Dr. Bahattin ÇAK (Van Yuzuncu Yil University)	Dr. Omar ATROOZ (Mutah University - Jordan)
Dr. Behnam ROSTAMÍ (Zanjan University - Iran)	Dr. Omar BELLANDA (University of Republic - Uruguay)
Dr. Bengi ÇINAR KUL (Ankara University)	Dr. Orhan YILMAZ (Van Yuzuncu Yil University)
Dr. Cihat ÖZTÜRK (Kırşehir Ahi Evran University)	Dr. Ornampai JAPA (Phayao University - Thailand)
Dr. Cristian MAGDAS (SAMV University - Romania)	Dr. Serkan YILDIRIM (Atatürk University)
Dr. Ehab ABU-BASHA (Jordan University (JUST) - Jordan)	Dr. Tahereh MOHAMMADABADI (Khuzestan University - Iran)
Dr. Ejaz AHMAD (Bahauddin Zakariya University - Pakistan)	Dr. Tohid Rezaei TOPRAGGALEH (Tabriz University - Iran)
Dr. Faina SHAKİROVA (Kazan State Academy - Russia)	Dr. Ulaş ACARÖZ (Afyon Kocatepe University)
Dr. Feraye ESEN GURSEL (Istanbul-Cerrahpasa University)	Dr. Volkan KOŞAL (Van Yuzuncu Yil University)
Dr. Gert W. NIEBAUER (Vetmeduni Vienna - Austria)	Dr. Yeter DEĞER (Van Yuzuncu Yil University)
Dr. Golam KİBRİA (CVAS University - Bangladesh)	Dr. Yunus ÇETİN (Burdur Mehmet Akif Ersoy University)
Dr. James M. MAY (Vanderbilt University - USA)	

## Advisory Board

Dr. Abdullah KAYA (Van Yuzuncu Yil University)	Dr. Nihat MERT (Van Yuzuncu Yil University)
Dr. Abeer F. El NAHAS (Alexandria University - Egypt)	Dr. Oğuz KUL (Kırıkkale University)
Dr. Alev Gürol BAYRAKTAROĞLU (Ankara University)	Dr. Ömer BEŞALTI (Ankara University)
Dr. Cenk YARDIMCI (Ondokuz Mayıs University)	Dr. Saadet BELHAN (Van Yuzuncu Yil University)
Dr. Durmuş Alpaslan KAYA (Hatay Mustafa Kemal University)	Dr. Suphi DENİZ (Van Yuzuncu Yil University)
Dr. Engin KENNERMAN (Bursa Uludag University)	Dr. Taylan AKSU (Van Yuzuncu Yil University)
Dr. Füsün TEMAMOĞLU (Harran University)	Dr. Turan CİVELEK (Ayfyon Kocatepe University)
Dr. Hüseyin KARADAĞ (Van Yuzuncu Yil University)	Dr. Yakup Can SANCAK (Van Yuzuncu Yil University)
Dr. Mecit YÖRÜK (Van Yuzuncu Yil University)	Dr. Yılmaz ARAL (Ankara University)
Dr. Nazmi ATASOY (Van Yuzuncu Yil University)	Dr. Zabit YENER (Van Yuzuncu Yil University)

This journal is published three times a year. Journal Title Abbreviation: Van Vet J

All articles in this journal are available free of charge from <https://dergipark.org.tr/tr/pub/vanveti>

Year	Volume	Issue
2022	33	2

This journal indexed / abstracted in Asos Index, CAB Abstracts, EBSCOhost, Google Scholar, Index Copernicus, Sobiad, TR Dizin and Türkiye Atf Dizini



July - 2022



# VAN VETERINARY JOURNAL

This journal previously published as: **Yüzüncü Yıl Üniversitesi Veteriner Fakültesi Dergisi**

## Scientific Board of This Issue

Prof. Dr. Abuzer ACAR (Afyon Kocatepe University)	Assist. Prof. Dr. Aykut ZEREK (Hatay Mustafa Kemal Univ.)
Prof. Dr. Nuri ALTUĞ (Tekirdag Namik Kemal University)	Assist. Prof. Dr. Burçak ASLAN ÇELİK (Siirt University)
Assoc. Prof. Dr. Seyda CENGİZ (Ataturk University)	Assist. Prof. Dr. Gözde EDE (Burdur Mehmet Akif Ersoy University)
Assoc. Prof. Dr. Uğur PARIN (Aydin Adnan Menderes University)	Assist. Prof. Dr. Özgül GÜLAYDIN (Siirt University)
Assoc. Prof. Dr. Vural DENİZHAN (Van Yuzuncu Yil University)	Assist. Prof. Dr. Rabia Mehtap TUNCAY (Van Yuzuncu Yil University)

This journal is published three times a year. Journal Tittle Abbreviation: Van Vet J  
All articles in this journal are available free of charge from <https://dergipark.org.tr/tr/pub/vanvetj>

Year	Volume	Issue
2022	33	2

This journal indexed / abstracted in Asos Index, CAB Abstracts, EBSCOhost, Google Scholar, Index Copernicus, Sobiad, TR Dizin and Turkiye Atf Dizini