

## Prof. AYKUT ÖZKUL

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: A-1973-2016

ScopusID: 7004873534

Yoksis Researcher ID: 2357

### Education Information

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Viroloji (Dr) (Veteriner), Turkey 1987 - 1992

Undergraduate, Ankara University, Veteriner Fakültesi, Veteriner Pr., Turkey 1982 - 1987

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Gebe ineklerde ve fötüslerinde bovine virus diarrhoea-mucosal disease (BVD-MD), Ankara University, Sağlık Bilimleri Enstitüsü, Viroloji (Dr) (Veteriner), 1992

### Research Areas

Health Sciences

### Academic Titles / Tasks

Professor, Ankara University, Veteriner Fakültesi, Klinik Öncesi Bilimler Bölümü, 2003 - Continues

Associate Professor, Ankara University, Veteriner Fakültesi, Klinik Öncesi Bilimler Bölümü, 1996 - 2003

Visiting Lecturer, Kansas State University, 1999 - 1999

Research Assistant, Ankara University, Veteriner Fakültesi, Klinik Öncesi Bilimler Bölümü, 1988 - 1996

### Academic and Administrative Experience

Ankara University, 2012 - Continues

Ankara University, 2010 - 2014

Fakülte Yönetim Kurulu Üyesi, Ankara University, Veteriner Fakültesi, 2009 - 2012

Ankara University, 2008 - 2008

## Courses

VİRUS KONAĞI İLİŞKİLERİ, Doctorate, 2017 - 2018, 2010 - 2011, 2009 - 2010, 2007 - 2008, 2004 - 2005, 2003 - 2004, 2001 - 2002

MOLEKÜLER VİROLOJİ, Doctorate, 2017 - 2018, 2015 - 2016, 2005 - 2006

VİROLOJİ 2, Undergraduate, 2017 - 2018, 2015 - 2016, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001

Viroloji 1, Undergraduate, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001

## Advising Theses

ÖZKUL A., Kırım kongo kanamalı ateş virusunun insan ve hayvan kaynaklı hücre kültürlerinde mikrorna yollarıyla ilgili anahtar protein ekspresyonu, Doctorate, K.FÖLDES(Student), 2021

ÖZKUL A., Samsun ve Hatay illerindeki göçmen kuşlarda önemli bazı zoonotik virusların araştırılması, Doctorate, S.HACIOĞLU(Student), 2019

ÖZKUL A., Koyun sürülerinde PPR virus aşılması sonrası sıvısal bağışık yanıtın değerlendirilmesi, Doctorate, H.HASHIM(Student), 2019

ÖZKUL A., ÇÖLERİ CİHAN A., Development of a DNA based vaccine for crimean congo hemorrhagic fever virus, Doctorate, E.ŞAHİN(Student), 2018

ÖZKUL A., Kırım kongo kanamalı ateşi (KKKA) hastalığının endemik olduğu bazı illerde (Samsun, Sivas, Tokat) kesilen ruminant türlerinde KKKA virus varlığının virolojik ve serolojik olarak araştırılması, Doctorate, E.ÖZAN(Student), 2017

ÖZKUL A., Akut kırım kongo kanamalı ateşi hastalarında mikroRNA ifadelerinin analizi, Postgraduate, Z.CEMRE(Student), 2016

ÖZKUL A., Embriyonik interferon (OTP-1) ve interferon gamma ekspresyonunun in vitro şartlarda PPRV ve pestivirus ortak enfeksiyonuna etkisinin araştırılması, Doctorate, H.MAHUR(Student), 2014

ÖZKUL A., Damızlık sığır yetiştiriciliklerinde BoHV-1 epidemiyolojisi için simülasyon ve matematik modelleme çalışmaları, Doctorate, F.SARAÇ(Student), 2011

ÖZKUL A., Hücre kültürü pasajlarının PPR virus P geni düzeyinde etkisinin araştırılması ve tanısal amaçlı gerçek zamanlı reverz transkriptaz polimeraz zincir reaksiyonu (rtRT ? PCR) protokollerinin geliştirilmesi, Doctorate, E.DİNÇER(Student), 2010

ÖZKUL A., Yerel Mavidil virusu izolatlarının Plak Redüksiyon Nötralizasyon (PRN) ve Reverz Transkriptaz Polimeraz Zincir Reaksiyonu (RT-PZR) teknikleri ile serotipik identifikasyonu, Doctorate, V.YILMAZ(Student), 2009

ÖZKUL A., İnsan sitomegalovirus (HCMV) suçlarında fosfotransferaz (UL97) ve DNA polimeraz (UL54) kodlayan gen bölgelerindeki mutasyonların bovine herpesvirus-1 ile karşılaştırılmalı analizi, Doctorate, D.ÇOLAK(Student), 2004

ÖZKUL A., Bir süt sığırcılığı işletmesinde tekrarlayan (rekürrent) BHV- 1 enfeksiyon oranı , virüs izolasyonu ve karakterizasyonu, Doctorate, A.GÜNGÖR(Student), 2003

ÖZKUL A., 0-2 yaş grubu ishali çocuklarda rotavirus enfeksiyonunun Northern Ireland 75/447 suşu kullanılarak mikronötralizasyon testi ile serolojik ve ELİSA testi ile virolojik olarak araştırılması, Doctorate, M.KABAKÇI(Student), 1999

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Do birds play a role in the transmission of Toscana virus? Initial isolation results from birds in northernmost Türkiye**  
Hacioglu S., ÖZKUL A.  
Zoonoses and Public Health, vol.71, no.3, pp.225-235, 2024 (SCI-Expanded)
- II. **Identification of Sars-Cov-2 related volatile organic compounds from face masks**  
Canbay H. S., KISMALI G., Emen F. M., Habioglu A. D., SAREYYÜPOĞLU B., AKÇAY A., ÖZTÜRK H., Alpay M., ATILGAN D., Saral B., et al.  
Microchemical Journal, vol.197, 2024 (SCI-Expanded)
- III. **Development and in vitro antiviral activity of ivermectin liposomes as a potential drug carrier system**  
Kocas M., ÇOMOĞLU T., ÖZKUL A.  
Archiv der Pharmazie, 2024 (SCI-Expanded)
- IV. **In vivo evaluation of new adjuvant systems based on combination of Salmonella Typhi porins with particulate systems: Liposomes versus polymeric particles**  
PARMAKSIZ S., PEKCAN M., ÖZKUL A., Turkmen E., Rivero-Arredondo V., Ontiveros-Padilla L., Forbes N., Perrie Y., Lopez-Macias C., ŞENEL S.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.648, 2023 (SCI-Expanded)
- V. **Evaluation of the neutralizing antibody response against the omicron variant produced by heterologous or hybrid immunity: How does the fifth dose of COVID-19 vaccine affect the neutralizing antibody response?**  
BAYHAN G. İ., Güner R., Yahşi A., ÖZKUL A.  
Journal of Infection, vol.87, no.3, 2023 (SCI-Expanded)
- VI. **Investigation of Ganciclovir Resistance in Cytomegalovirus Isolates by Phenotypic and Genotypic Methods Sitomegalovirüs İzolatlarında Gansiklovir Direncinin Fenotipik ve Genotipik Yöntemlerle Araştırılması**  
Sarmoğlu R. C., Çolak D., Küpesiz O. A., Kuşkucu M. A., Yalçın K., SAĞLIK İ., Mutlu D., Midilli K., Peker B. O., Özhak B., et al.  
Mikrobiyoloji bulteni, vol.57, no.3, pp.401-418, 2023 (SCI-Expanded)
- VII. **Process development for an effective COVID-19 vaccine candidate harboring recombinant SARS-CoV-2 delta plus receptor binding domain produced by Pichia pastoris**  
Kalyoncu S., Yilmaz S., Kuyucu A. Z., Sayili D., Mert O., Soy Turk H., Gullu S., Akinturk H., Citak E., Arslan M., et al.  
Scientific reports, vol.13, no.1, pp.5224, 2023 (SCI-Expanded)
- VIII. **Development of a safety protocol for training and using SARS-CoV-2 detection dogs: A pilot study**  
Demirbas Y., Kismali G., Saral B., Sareyyüpoğlu B., Habioglu A. D., Öztürk H., Baş B., Özvardar T., Alpay M., İnce N., et al.  
JOURNAL OF VETERINARY BEHAVIOR-CLINICAL APPLICATIONS AND RESEARCH, vol.60, pp.79-88, 2023 (SCI-Expanded)
- IX. **Two formulations of coronavirus disease-19 recombinant subunit vaccine candidate made up of S1 fragment protein P1, S2 fragment protein P2, and nucleocapsid protein elicit strong immunogenicity in mice**  
Ozcengiz E., Keser D., ÖZCENGİZ G., Celik G., ÖZKUL A., Inceh F. N.  
IMMUNITY INFLAMMATION AND DISEASE, vol.10, no.12, 2022 (SCI-Expanded)
- X. **A Genetically Engineered Biofilm Material for SARS-CoV-2 Capturing and Isolation**  
Ozkul G., Kehribar E. S., Ahan R. E., Koksaldi I. C., ÖZKUL A., Dinc B., Aydogan S., ŞEKER U. Ö. Ş.  
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- XI. **A Highly Potent SARS-CoV-2 Blocking Lectin Protein**  
Ahan R. E., Hanifehnezhad A., Kehribar E. S., Oğuzoğlu T. Ç., Foldes K., Ozcelik C. E., Filazi N., Oztop S., Palaz F., Onder S., et al.  
ACS INFECTIOUS DISEASES, vol.8, no.7, pp.1253-1264, 2022 (SCI-Expanded)
- XII. **Prevalance of Schmallenberg orthobunyavirus (SBV) infection in sampled ruminants in Turkey's Eastern Mediterranean region between 2015 and 2017**

Dogan F., Dik B., BİLGE DAĞALP S., Farzani T. A., Ataseven V. S., Acar G., Şahinkesen İ., ÖZKUL A.  
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- XIII. **The changing dynamics of neutralizing antibody response within 10 months of SARS-CoV-2 infections**  
Bastug A., Bodur H., Aydos O., Filazi N., Oksuz E., ÖZKUL A.  
JOURNAL OF MEDICAL VIROLOGY, vol.94, no.5, pp.1983-1989, 2022 (SCI-Expanded)
- XIV. **Atmospheric Pressure Mass Spectrometry of Single Viruses and Nanoparticles by Nanoelectromechanical Systems**  
Erdogan R. T., Alkhaled M., Kaynak B. E., Alhmoud H., Pisheh H. S., Kelleci M., Karakurt I., Yanik C., Sen Z. B., Sari B., et al.  
ACS NANO, vol.16, no.3, pp.3821-3833, 2022 (SCI-Expanded)
- XV. **Neutralizing antibody response and associated factors in Coronavirus-19 disease (COVID-19) up to one month**  
Bastug A., Bodur H., ŞEKER U. Ö. Ş., Filazi N., Aydos O., Kehribar E. S., Hanifehnezhad A. R., Kazancioglu S., Ahan R. E., Aslan V., et al.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.47, no.1, pp.9-18, 2022 (SCI-Expanded)
- XVI. **Soluble Human Angiotensin- Converting Enzyme 2 as a Potential Therapeutic Tool for COVID-19 is Produced at High Levels In Nicotiana benthamiana Plant With Potent Anti-SARS-CoV-2 Activity**  
MAMMEDOV T., Gurbuzaslan I., Yuksel D., Ilgin M., Mammadova G., ÖZKUL A., Hasanova G.  
FRONTIERS IN PLANT SCIENCE, vol.12, 2021 (SCI-Expanded)
- XVII. **Phylogenetic analysis of West Nile virus: first report of lineage 1 in donkey in Turkey**  
YILDIRIM Y., YILMAZ V., YAZICI K., ÖZİÇ C., ÖZKUL A., Cagirgan A. A.  
TROPICAL ANIMAL HEALTH AND PRODUCTION, vol.53, no.5, 2021 (SCI-Expanded)
- XVIII. **Development of a BoHV-4 viral vector expressing tgD of BoHV-1 and evaluation of its immunogenicity in mouse model**  
BİLGE DAĞALP S., Farzani T. A., Dogan F., Yoldar Z. A., ÖZKUL A., ALKAN F., Donofrio G.  
Brazilian Journal of Microbiology, vol.52, no.3, pp.1119-1133, 2021 (SCI-Expanded)
- XIX. **Efficacy and safety of an inactivated whole-virion SARS-CoV-2 vaccine (CoronaVac): interim results of a double-blind, randomised, placebo-controlled, phase 3 trial in Turkey**  
DURUSU TANRIÖVER M., Doganay H. L., AKOVA M., GÜNER H. R., Azap A., AKHAN S., Kose S., Erdinc F. S., AKALIN E. H., TABAK Ö. F., et al.  
LANCET, vol.398, no.10296, pp.213-222, 2021 (SCI-Expanded)
- XX. **SARS-CoV-2 Detection with De Novo-Designed Synthetic Riboregulators**  
Koksaldi I. C., Kose S., Ahan R. E., Haciosmanoglu N., Kehribar E. S., Gungen M. A., Bastug A., Dinc B., Bodur H., ÖZKUL A., et al.  
ANALYTICAL CHEMISTRY, vol.93, no.28, pp.9719-9727, 2021 (SCI-Expanded)
- XXI. **2D MXenes with antiviral and immunomodulatory properties: A pilot study against SARS-CoV-2**  
ÜNAL M. A., Bayrakdar F., Fusco L., Besbinar O., Shuck C. E., Yalcin S., TÜRKTAŞ ERKEN M., ÖZKUL A., Gurcan C., PANATLI O., et al.  
NANO TODAY, vol.38, 2021 (SCI-Expanded)
- XXII. **Toscana virus associated with Guillain-Barre syndrome: a case-control study**  
Okar S. V., Bekircan-Kurt C. E., Hacioglu S., Erdem-Oezdamar S., ÖZKUL A., ERGÜNAY K.  
ACTA NEUROLOGICA BELGICA, vol.121, no.3, pp.661-668, 2021 (SCI-Expanded)
- XXIII. **Ribavirin shows antiviral activity against SARS-CoV-2 and downregulates the activity of TMPRSS2 and the expression of ACE2 in vitro**  
ÜNAL M. A., BİTİRİM C. V., Summak G. Y., BEREKETOĞLU NERGİS S., Zeytin I. C., Besbinar O., Gurcan C., Aydos D., Goksoy E., Kocakaya E., et al.  
CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY, vol.99, no.5, pp.449-460, 2021 (SCI-Expanded)
- XXIV. **The longest infectious virus shedding in a child infected with the G614 strain of SARS-COV-2**  
Bal Z. S., ÖZKUL A., Bilen M., Kurugol Z., Ozkinay F.  
Pediatric Infectious Disease Journal, vol.40, no.7, 2021 (SCI-Expanded)

- XXV. **Akabane virus infection in Eastern Mediterranean Region in Turkey: Culicoides (Diptera: Ceratopogonidae) as a possible vector**  
BİLGE DAĞALP S., DİK B., Dogan F., Farzani T. A., ATASEVEN V. S., Acar G., Sahinkesen I., ÖZKUL A.  
TROPICAL ANIMAL HEALTH AND PRODUCTION, vol.53, no.2, 2021 (SCI-Expanded)
- XXVI. **Assessment of replication of bovine herpesvirus type 4 in human glioblastoma and breast cancer cells as a potential oncolytic virus**  
Aligholipour Farzani T., BİLGE DAĞALP S., ÖZKUL A., GÜRDAL H., Dogan F., ALKAN F.  
VIRUS GENES, vol.57, no.1, pp.31-39, 2021 (SCI-Expanded)
- XXVII. **Utility of a Sequence-Independent, Single-Primer-Amplification (SISPA) and Nanopore Sequencing Approach for Detection and Characterization of Tick-Borne Viral Pathogens**  
Brinkmann A., Uddin S., Krause E., Surtees R., DİNÇER E., KAR S., Hacıoğlu S., ÖZKUL A., ERGÜNAY K., Nitsche A.  
VIRUSES-BASEL, vol.13, no.2, 2021 (SCI-Expanded)
- XXVIII. **First Serological Evidence of West Nile Virus Among Equines and Birds in Kosovo, 2018-2019**  
Rexhepi A., Sherifi K., Berxholi K., Xhekaj B., Muja-Bajraktari N., ÖZKUL A., von Possel R., Emmerich P.  
VECTOR-BORNE AND ZOONOTIC DISEASES, vol.21, no.2, pp.116-120, 2021 (SCI-Expanded)
- XXIX. **The role of bio-detection dogs in the prevention and diagnosis of infectious diseases: A systematic review**  
SALGIRLI DEMİRBAŞ Y., BAŞ B., ÖZTÜRK H., KISMALI G., Alpay M., CANBAY H. S., Emen F., SAREYYÜPOĞLU B., ÖZKUL A.  
ANKARA UNIVERSİTESİ VETERİNER FAKULTESİ DERGİSİ, vol.68, no.2, pp.185-192, 2021 (SCI-Expanded)
- XXX. **The initial detection of Toscana virus in phlebotomine sandflies from Turkey**  
ÖZBEL Y., Oguz G., Arserim S. K., Kasap O. E., Karaoglu B., Yilmaz A., Emanet N., Gunay F., Hacıoğlu S., Demirok M. C., et al.  
MEDICAL AND VETERINARY ENTOMOLOGY, vol.34, no.4, pp.402-410, 2020 (SCI-Expanded)
- XXXI. **Vector-borne viruses in Turkey: A systematic review and bibliography**  
ERGÜNAY K., POLAT C., ÖZKUL A.  
ANTIVIRAL RESEARCH, vol.183, 2020 (SCI-Expanded)
- XXXII. **Characterization of local SARS-CoV-2 isolates and pathogenicity in IFNAR(-/-) mice**  
Hanifehnezhad A., Kehribar E. S., Oztop S., Sheraz A., Kasirga S., Ergünay K., Onder S., Yılmaz E., Engin E. D., Oğuzoğlu T. Ç., et al.  
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- XXXIII. **Multiple orthonairoviruses including Crimean-Congo hemorrhagic fever virus, Tamdy virus and the novel Meram virus in Anatolia**  
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TICKS AND TICK-BORNE DISEASES, vol.11, no.5, 2020 (SCI-Expanded)
- XXXIV. **Investigation of Crimean-Congo hemorrhagic fever virus in ruminant species slaughtered in several endemic provinces in Turkey**  
Ozan E., ÖZKUL A.  
ARCHIVES OF VIROLOGY, vol.165, no.8, pp.1759-1767, 2020 (SCI-Expanded)
- XXXV. **Serological screening of West Nile virus among blood donors in northern Cyprus**  
Balaman N., Gazi U., Imir T., Sanlidag T., Ruh E., TOSUN Ö., ÖZKUL A., Taylan-Ozkan A.  
JOURNAL OF MEDICAL VIROLOGY, vol.92, no.8, pp.1035-1039, 2020 (SCI-Expanded)
- XXXVI. **Virolactia in an Asymptomatic Mother with COVID-19**  
Bastug A., Hanifehnezhad A., Tayman C., ÖZKUL A., Ozbay O., Kazancioglu S., Bodur H.  
BREASTFEEDING MEDICINE, vol.15, no.8, pp.488-491, 2020 (SCI-Expanded)
- XXXVII. **Multi-assay investigation of viral etiology in pediatric central nervous system infections**  
Altay-Kocak A., BOZDAYI G., Michel J., POLAT M., Kanik-Yuksekk S., TEZER H., ÖZKUL A., Ahmed K., Nitsche A., ERGÜNAY K.  
JOURNAL OF INFECTION IN DEVELOPING COUNTRIES, vol.14, no.6, pp.572-579, 2020 (SCI-Expanded)
- XXXVIII. **Differential Growth Characteristics of Crimean-Congo Hemorrhagic Fever Virus in Kidney Cells of**

## Human and Bovine Origin

Földes K., Farzani T. A., ERGÜNAY K., ÖZKUL A.

Viruses, vol.12, no.6, 2020 (SCI-Expanded)

- XXXIX. **Molecular and antigenic characterization of bovine herpesvirus type 1 (BoHV-1) strains from cattle with diverse clinical cases in Turkey**  
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- XL. **Monitoring Crimean-Congo haemorrhagic fever virus RNA shedding in body secretions and serological status in hospitalised patients, Turkey, 2015**  
YAĞÇI ÇAĞLAYIK D., KAYAASLAN B., YAPAR D., Kocagul-Celikbas A., Ozkaya-Parlakay A., EMEK M., BAYKAM N., TEZER H., Korukluoglu G., ÖZKUL A.  
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- XLI. **Survey and Characterization of Jingmen Tick Virus Variants**  
DİNÇER E., Hacıoglu S., KAR S., Emanet N., Brinkmann A., Nitsche A., ÖZKUL A., Linton Y., ERGÜNAY K.  
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- XLII. **Immunological Analysis of a CCHFV mRNA Vaccine Candidate in Mouse Models**  
Farzani T. A., Földes K., ERGÜNAY K., GÜRDAL H., Bastug A., ÖZKUL A.  
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- XLIII. **Novel Tick Phlebovirus Genotypes Lacking Evidence for Vertebrate Infections in Anatolia and Thrace, Turkey**  
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- XLIV. **Arboviral screening of invasive Aedes species in northeastern Turkey: West Nile virus circulation and detection of insect-only viruses**  
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PLOS NEGLECTED TROPICAL DISEASES, vol.13, no.5, 2019 (SCI-Expanded)
- XLV. **Bovine Herpesvirus Type 4 (BoHV-4) Vector Delivering Nucleocapsid Protein of Crimean-Congo Hemorrhagic Fever Virus Induces Comparable Protective Immunity against Lethal Challenge in IFN $\alpha$ / $\beta$ / $\gamma$ R-/- Mice Models**  
Farzani T. A., Földes K., Hanifehnezhad A., Ilce B. Y., BİLGE DAĞALP S., Khiabani N. A., ERGÜNAY K., ALKAN F., Karaoglu T., Bodur H., et al.  
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- XLVI. **Co-Delivery Effect of CD24 on the Immunogenicity and Lethal Challenge Protection of a DNA Vector Expressing Nucleocapsid Protein of Crimean Congo Hemorrhagic Fever Virus**  
Farzani T. A., Hanifehnezhad A., Földes K., ERGÜNAY K., YILMAZ E., Ali H. H. M., ÖZKUL A.  
VIRUSES-BASEL, vol.11, no.1, 2019 (SCI-Expanded)
- XLVII. **Serological Signs of West Nile Virus Infection in Horse Serum Samples Collected for Equine Infectious Anemia Virus screening in the Northeastern Turkey: Traces of Past**  
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PAKISTAN VETERINARY JOURNAL, vol.39, no.1, pp.121-123, 2019 (SCI-Expanded)
- XLVIII. **A metagenomic survey identifies Tamdy orthonairovirus as well as divergent phlebo-, rhabdo-, chu- and flavi-like viruses in Anatolia, Turkey**  
Brinkmann A., DİNÇER E., Polat C., HEKİMOĞLU O., Hacıoglu S., Földes K., ÖZKUL A., ÖKTEM İ. M. A., Nitsche A., Erguenay K.  
TICKS AND TICK-BORNE DISEASES, vol.9, no.5, pp.1173-1183, 2018 (SCI-Expanded)
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Bayrakdar F., KOCABAŞ C. N., Altas A. B., Kavuncuoğlu H. G., Cosgun Y., Misirlioglu E. D., Durmaz I., Korukluoglu G., ÖZKUL A.

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- L. **Molecular and serological investigation of West Nile virus (WNV) infection in donkeys, horses and native geese in Turkey**  
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- L.I. **Determination of presence of equid alpha and gamma herpesvirus infections in foals with respiratory distress**  
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- L.II. **A Snapshot Avian Surveillance Reveals West Nile Virus and Evidence of Wild Birds Participating in Toscana Virus Circulation**  
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- XXVIII. **Viral Zoonozlar Epidemiyolojik Dinamikler**  
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VI. Türkiye Zoonoztik Hastalıklar Sempozyumu: Küresel Tehdit, Zoonozlar, 4 - 05 November 2016
- XXIX. **Current status of PPR LSD and AKA diseases in Turkey Risk s for European threat**  
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- XXX. **Animal health aspects related to CCHF and latest findingsfrom Turkey**  
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- XXXI. **Viral Enfeksiyonlar İçin Hayvan Modelleri**  
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## Expert Reports

- I. **TÜBİTAK TOVAG Grubu Panelistliği**  
ÖZKUL A.  
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## Supported Projects

ÖZKUL A., TUBITAK Project, Kırım Kongo Kanamalı Ateşi Hastalığına Karşı Profilaktik ve İmmunoterapötik Biyolojik Madde Üretimi, 2015 - Continues

Gürdal H., Özkul A., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), KIRIM KONGO KANAMALI ATEŞİNE (KKKA) KARŞI GELİŞTİRİLEN BİSİSTRONİK ADENOVİRÜS VEKTÖR AŞI ADAYININ KLİNİK ÖNCESİ KARAKTERİZASYONU, 2022 - 2024

Özkul A., TUBITAK Project, Covid-19 un Tedavisi İçin Öncü İlaç Molekülleri Olarak N,N'-(4-X1-5-X2-1,2-Fenilene)Bis(2-(4-R-1h-1,2,3-Triazol-1-Il)Asetamid) Türevi Yeni Bileşiklerin Sentezi ve Sars-Cov-2 ye Karşı Antiviral Özelliklerinin In Vitro Olarak İncelenmesi, 2021 - 2023

Oğuzoğlu T. Ç., Karayel Hacıoğlu İ., Özkul A., Demirbağ Z., TUBITAK Project, SARS Coronavirus-2 envelope gen bölgesinin baculovirus ekspresyon sisteminde üretimi ve immün yanıtın kontrolü, 2021 - 2023

Cansaran Duman D., Özkul A., TUBITAK Project, COVID-19 için Griffithin Temelli Antiviral Yaklaşım Geliştirilmesi ve Etkinliğinin Sorgulanması, 2020 - 2022

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Bilge Dağalp S., Akkutay Yoldar A. Z., Özkul A., Alkan F., Project Supported by Higher Education Institutions, Aşılama Stratejilerinde bir gen aktarım vektörü olarak yerel BoHV-4 izolatu kullanımı: BoHV-1 glikoprotein D ifade eden BoHV-4 (BoHV-4/BoHV-1 gD) elde edilmesi, 2017 - 2019

ÖZKUL A., TUBITAK Project, Alt-Birim Protein Antijenlerinin İmmunojenitesini Artırmak Amacıyla Yeni Adjuvan/Taşıyıcı Sistemlerin Geliştirilmesi, 2017 - 2019

ÖZKUL A., TUBITAK Project, Ülkemizde Dört Ardışık Epidemik Sezonda Dolaşımda Olan Human Respiratory Syncytial Virus Suşlarının Genetik Çeşitliliğinin Araştırılması ve Tanısal Amaçlı qRT PCR Geliştirilmesi, 2013 - 2015

## Activities in Scientific Journals

PATHOGENS, Special Issue Editor, 2023 - Continues

## Tasks In Event Organizations

Özkul A., 4th International Vaccinology Congress, Scientific Congress, Turkey, Kasım 2022

## Metrics

Publication: 219

Citation (WoS): 3594

Citation (Scopus): 4093

H-Index (WoS): 33

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## Awards

Özkul A., Science Award, Novartis, March 2011

Özkul A., Science Award, Türk Veteriner Hekimleri Birliği, May 2007