

Prof. KORAY ERGÜNAY

Personal Information

Office Phone: [+90 312 305 1560](tel:+903123051560) Extension: 131

Office Phone: [+90 312 305 1465](tel:+903123051465)

Email: ekoray@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/ekoray>

International Researcher IDs

ORCID: 0000-0001-5422-1982

Publons / Web Of Science ResearcherID: I-8368-2013

ScopusID: 6507415764

Yoksis Researcher ID: 169970

Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Tıbbi Mikrobiyoloji, Turkey 2002 - 2006

Expertise In Medicine, Hacettepe University, Tıp Fakültesi, Tıbbi Mikrobiyoloji, Turkey 1997 - 2002

Foreign Languages

English, C1 Advanced

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Microbiology and Clinical Microbiology, Virology, Life Sciences, Microbiology, Virology, Natural Sciences

Academic Titles / Tasks

Associate Professor, Hacettepe University, Tıp Fakültesi (İngilizce), Temel Tıp Bilimleri Bölümü, 2011 - Continues

Advising Theses

ERGÜNAY K., ALTEN S. B., Trakya bölgesinde sivrisinek flavivirüslerinin tespiti ve kısmi genomik karakterizasyonu, Postgraduate, C.ÖNCÜ(Student), 2017

ERGÜNAY K., Atipik menenjit/ensefalit tanısı almış hastalarda, enterovirüsler, herpesvirüsler (1, 2, 6, 7), flavivirüsler ve flebovirüslerin polimeraz zincir reaksiyonu yöntemi ile araştırılması, Doctorate, A.ALTAY(Student), 2017

ERGÜNAY K., Ankara bölgesinde Batı Nil virusu ve Toskana virus vektörlerinin araştırılması, Postgraduate, S.ÖRSTEN(Student), 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Novel clades of tick-borne pathogenic nairoviruses in Europe**
 ERGÜNAY K., Bourke B. P., Reinbold-Wasson D. D., Caicedo-Quiroga L., Vaydayko N., Kirkitadze G., Chunashvili T., Tucker C. L., Linton Y.
Infection, Genetics and Evolution, vol.121, 2024 (SCI-Expanded)
- II. **Nanopore-based metagenomics reveal a new Rickettsia in Europe**
 Polsomboon Nelson S., ERGÜNAY K., Bourke B. P., Reinbold-Wasson D. D., Caicedo-Quiroga L., Kirkitadze G., Chunashvili T., Tucker C. L., Linton Y.
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- III. **Vector-borne pathogen surveillance in a metagenomic world**
 ERGÜNAY K., Bourke B. P., Achee N., Jiang L., Grieco J., Linton Y.
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- IV. **The expanding range of emerging tick-borne viruses in Eastern Europe and the Black Sea Region**
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Scientific Reports, vol.13, no.1, 2023 (SCI-Expanded)
- V. **Annual (2023) taxonomic update of RNA-directed RNA polymerase-encoding negative-sense RNA viruses (realm Riboviria: kingdom Orthornavirae: phylum Negarnaviricota)**
 Kuhn J. H., Abe J., Adkins S., Alkhovsky S. V., Avšič-Županc T., Ayllón M. A., Bahl J., Balkema-Buschmann A., Ballinger M. J., Kumar Baranwal V., et al.
The Journal of general virology, vol.104, no.8, 2023 (SCI-Expanded)
- VI. **Impact of nanopore-based metagenome sequencing on tick-borne virus detection**
 ERGÜNAY K., DİNÇER E., Justı S. A., Bourke B. P., Nelson S. P., Liao H., TİMURKAN M. Ö., Oğuz B., Sahindokuyucu I., Gokcecik O. F., et al.
Frontiers in Microbiology, vol.14, 2023 (SCI-Expanded)
- VII. **2022 taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales**
 Kuhn J. H., Adkins S., Alkhovsky S. V., Avšič-Županc T., Ayllón M. A., Bahl J., Balkema-Buschmann A., Ballinger M. J., Bandte M., Beer M., et al.
Archives of Virology, vol.167, no.12, pp.2857-2906, 2022 (SCI-Expanded)
- VIII. **Metagenomic Investigation of Ticks From Kenyan Wildlife Reveals Diverse Microbial Pathogens and New Country Pathogen Records**
 Ergunay K., Mutinda M., Bourke B., Justı S. A., Caicedo-Quiroga L., Kamau J., Mutura S., Akunda I. K., Cook E., Gakuya F., et al.
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- IX. **Investigation of Dientamoeba fragilis and Blastocystis in patients from Turkey with ulcerative colitis and irritable bowel syndrome: Any relation with genotypes?**
 Unalan-Altıntop T., Vahabov C., ERGÜNAY K., KURT Ö., Kav T., AKYÖN YILMAZ Y., ERGÜVEN S.
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- X. **A Highly Potent SARS-CoV-2 Blocking Lectin Protein**
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- XI. **Hepatitis E Virus Prevalence and Associated Risk Factors in High-Risk Groups: A Cross-Sectional Study**
 BALABAN H. Y., ASLAN A. T., AKDOĞAN KITTANA F. N., ALP A., DAĞ O., AYAR Ş. N., Vahabov C., ŞİMŞEK C., YILDIRIM T., GÖKER H., et al.
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- XII. **History and classification of Aigai virus (formerly Crimean-Congo haemorrhagic fever virus genotype VI)**
 Papa A., Marklewitz M., Paraskevopoulou S., Garrison A. R., Alkhovsky S., Avsic-Zupanc T., Bente D. A., Bergeron E., Burt F., Di Paola N., et al.

JOURNAL OF GENERAL VIROLOGY, vol.103, no.4, 2022 (SCI-Expanded)

- XIII. **New viruses on the rise: a One Health and ecosystem-based perspective on emerging viruses**
ERGÜNAY K.
FUTURE VIROLOGY, vol.16, pp.711-715, 2021 (SCI-Expanded)
- XIV. **A cross-sectional overview of SARS-CoV-2 genome variations in Turkey**
ERGÜNAY K., Kaya M., SERDAR M. A., AKYÖN YILMAZ Y., YILMAZ E.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.46, no.5, pp.491-498, 2021 (SCI-Expanded)
- XV. **Utility of a Sequence-Independent, Single-Primer-Amplification (SISPA) and Nanopore Sequencing Approach for Detection and Characterization of Tick-Borne Viral Pathogens**
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- XVI. **Probable alterations in fecal bacterial microbiota by somatostatin receptor analogs in acromegaly**
ŞENDUR S. N., ERGÜNAY K., Akyon Y., Brinkmann A., Serdar M., DAĞDELEN S., Erbas T., Nitsche A., Yilmaz E.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.45, no.6, pp.695-700, 2020 (SCI-Expanded)
- XVII. **Gut Microbiota and Oral Contraceptive Use in Overweight and Obese Patients with Polycystic Ovary Syndrome**
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- XVIII. **Vector-borne viruses in Turkey: A systematic review and bibliography**
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ANTIVIRAL RESEARCH, vol.183, 2020 (SCI-Expanded)
- XIX. **Multiple orthonairoviruses including Crimean-Congo hemorrhagic fever virus, Tamdy virus and the novel Meram virus in Anatolia**
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- XX. **Low prevalence of hypervirulent Klebsiella pneumoniae in Anatolia, screened via phenotypic and genotypic testing**
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- XXI. **Multi-assay investigation of viral etiology in pediatric central nervous system infections**
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- XXIII. **ICTV Virus Taxonomy Profile: Nairoviridae**
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- XXV. **Immunological Analysis of a CCHFV mRNA Vaccine Candidate in Mouse Models**
Farzani T. A., Foldes K., ERGÜNAY K., GÜRDAL H., Bastug A., ÖZKUL A.
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- XXVI. **Novel Tick Phlebovirus Genotypes Lacking Evidence for Vertebrate Infections in Anatolia and Thrace, Turkey**
Emanet N., KAR S., DİNÇER E., Brinkmann A., Hacıoğlu S., Farzani T. A., KOÇAK TUFAN Z., POLAT P. F., Sahan A., ÖZKUL A., et al.

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- XXVII. **Taxonomy of the order Bunyvirales: update 2019**
Abudurexiti A., Adkins S., Alioto D., Alkhovsky S. V., Avsic-Zupanc T., Ballinger M. J., Bente D. A., Beer M., Bergeron E., Blair C. D., et al.
ARCHIVES OF VIROLOGY, vol.164, no.7, pp.1949-1965, 2019 (SCI-Expanded)
- XXVIII. **Arboviral screening of invasive Aedes species in northeastern Turkey: West Nile virus circulation and detection of insect-only viruses**
Akiner M. M., Ozturk M., Baser A. B., GÜNAY F., Hacıoglu S., Brinkmann A., Emanet N., Alten B., ÖZKUL A., Nitsche A., et al.
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- XXIX. **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**
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- XXX. **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**
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- XXXII. **A Snapshot Avian Surveillance Reveals West Nile Virus and Evidence of Wild Birds Participating in Toscana Virus Circulation**
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- XXXIII. **Generic amplification and next generation sequencing reveal Crimean-Congo hemorrhagic fever virus AP92-like strain and distinct tick phleboviruses in Anatolia, Turkey**
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- XXXIV. **Multicenter Investigation of Buvavirus in the Etiology of Viral Central Nervous System Infections of Adults and Children**
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- XXXVI. **Novel and emergent sandfly-borne phleboviruses in Asia Minor: a systematic review**
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- XXXVII. **Practical Guidelines for Studies on Sandfly-Borne Phleboviruses: Part II: Important Points to Consider for Fieldwork and Subsequent Virological Screening**
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Consider Ante Field Work

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- XXXIX. **A metagenomic survey reveals rhabdo and negevivirus sequences in mosquito pools from Turkey**
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- XL. **Characterization of a Culex theileri flavivirus variant in field-collected mosquitoes from Turkey**
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- XLI. **Canine Infections and Partial S Segment Sequence Analysis of Toscana Virus in Turkey**
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- XLIII. **A Review of Methods for Detecting Tick-Borne Encephalitis Virus Infection in Tick, Animal, and Human Specimens**
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- XLVI. **Investigation of the Hepatitis E Virus Seroprevalence in Cases Admitted to Hacettepe University Medical Faculty Hospital**
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- XLVII. **Prospective investigation of the impact of West Nile Virus infections in renal diseases**
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- XLVIII. **Urinary detection of toscana virus nucleic acids in neuroinvasive infections**
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- XLIX. **Serological Investigation of Phlebovirus Exposure in Blood Donors from the Mediterranean Province of Mersin, Turkey**
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- L. **Potential Animal Reservoirs of Toscana Virus and Coinfections with Leishmania infantum in Turkey**
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- LII. **Flavivirus Seroepidemiology in Blood Donors in Mersin Province, Turkey**
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- LVI. **Multicentre evaluation of central nervous system infections due to Flavi and Phleboviruses in Turkey**
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- LVII. **Epidemiologic trends in HBV infections at a reference centre in Turkey: an 11-year retrospective analysis**
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- LVIII. **Genotyping of Giardia lamblia in a Cohort of Turkish Patients: A Search for a Relationship between Symptoms and Genotypes**
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- LX. **Species distribution and detection of Crimean Congo Hemorrhagic Fever Virus (CCHFV) in field-collected ticks in Ankara Province, Central Anatolia, Turkey**
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- LXI. **Phenotypic and Genotypic Identification of Candida Strains Isolated as Nosocomial Pathogens**
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- LXII. **Performance of Various Commercial Assays for the Detection of Toscana Virus Antibodies**
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- LXIII. **Current Status of Human Arboviral Diseases in Turkey**
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- LXVI. **Investigation of West Nile Virus Seroprevalence in Hacettepe University Hospital Blood Donors and Confirmation of the Positive Results by Plaque Reduction Neutralization Test**
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