

## Lect. PhD AYŞE NUR PEKTAŞ

### Personal Information

**Email:** aysenurpektas@cumhuriyet.edu.tr

**Web:** <https://avesis.cumhuriyet.edu.tr/6901>

### International Researcher IDs

ScholarID: K\_CoveMAAAAJ

ORCID: 0000-0001-5621-2844

Publons / Web Of Science ResearcherID: P-8923-2016

ScopusID: 57219433213

Yoksis Researcher ID: 255377

### Education Information

Doctorate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik, Turkey 2015 - 2022

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, Biyoloji, Turkey 2012 - 2015

Undergraduate, Ege University, Faculty Of Science, Biyoloji Bölümü, Turkey 2007 - 2012

### Research Areas

Plant Biology, Biochemistry, Bioinformatics, Biotechnology, Environmental Biology, Animal Biology, Microbiology, Molecular Biology and Genetics, Genomics, Health Sciences, Natural Sciences

### Academic Titles / Tasks

Lecturer PhD, 2016 - Continues

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

- I. **Development of targeted whole genome sequencing approaches for Crimean-Congo haemorrhagic fever virus (CCHFV).**  
D'Addiego J., Shah S., Pektas A. N., Bađci B. N. K., Öz M., Sebastianelli S., Elaldi N., Allen D. J., Hewson R.  
Virus research, vol.350, pp.199464, 2024 (SCI-Expanded)
- II. **Evaluation and normalization of a set of reliable reference genes for quantitative sgk-1 gene expression analysis in Caenorhabditis elegans-focused cancer research**  
Özdemir Ö. Ü., Yurt K., PEKTAŞ A. N., BERK Ş.  
Nucleosides, Nucleotides and Nucleic Acids, 2024 (SCI-Expanded)
- III. **Systems-level temporal immune-metabolic profile in Crimean-Congo hemorrhagic fever virus infection**  
Ambikan A. T., ELALDI N., Svensson-Akusjärvi S., BAĞCI B., PEKTAŞ A. N., Hewson R., Bağci G., Arasli M., Appelberg S., Mardinoglu A., et al.  
Proceedings of the National Academy of Sciences of the United States of America, vol.120, no.37, 2023 (SCI-Expanded)
- IV. **Investigating the effect of ribavirin treatment on genetic mutations in Crimean-Congo haemorrhagic**

**fever virus (CCHFV) through next-generation sequencing.**

D'addiego J., Elaldi N., Wand N., Osman K., Bagci B., Kennedy E., Pektas A. N., Hart E., Slack G., Hewson R.  
Journal of medical virology, vol.95, no.2, 2023 (SCI-Expanded)

**V. The investigation of host genetic variants of toll-like receptor 7 and 8 in COVID-19**

Bagci G., Gundogdu O., Pektas A. N., Bagci B., Avci O., Gursoy S., Kaygusuz K., Elaldi N.  
Nucleosides, Nucleotides and Nucleic Acids, vol.42, no.8, pp.586-602, 2023 (SCI-Expanded)

**VI. METHYLATION OF THE E-CADHERIN (ECAD) GENE IN CLEAR CELL RENAL CELL CARCINOMA (CCRCC)**

Kitapci A., Daştan T., Dünder G., Pektaş A. N., Durna Daştan S., Korğalı E., Türkoğlu Ş.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.29, pp.85-91, 2020 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Visualization of scientific production in Caenorhabditis elegans: a bibliometric analysis (1980–2023)**  
BERK Ş., ÖZDEMİR S., PEKTAŞ A. N.  
Genomics and Informatics, vol.22, no.3, 2024 (Scopus)
- II. **DNA Barcoding of Commercial Cockroaches in Turkey**  
BERK Ş., PEKTAŞ A. N.  
CUMHURİYET SCIENCE JOURNAL, vol.44, no.1, pp.28-35, 2023 (Peer-Reviewed Journal)
- III. **Identification and Validation of Reference Genes for RT-qPCR Normalization in Nauphoeta cinerea (Olivier, 1789) (Blattodea, Blaberidae)**  
Özcan K., Pektaş A. N., Berk Ş.  
Bilge International Journal of Science and Technology Research, vol.6, no.1, pp.62-72, 2022 (Peer-Reviewed Journal)
- IV. **Selection and Validation of Potential Reference Genes for Quantitative Real-Time PCR Analysis in Blaptica Dubia (Serville, 1838) (Blattidae, Blaberidae)**  
KARAKAŞ E. U., PEKTAŞ A. N., BERK Ş.  
CUMHURİYET SCIENCE JOURNAL, vol.43, no.2, pp.176-182, 2022 (Peer-Reviewed Journal)
- V. **Selection and Validation of Reference Genes for Quantitative Real-time PCR in the Mealworm Beetle, Tenebrio molitor L. (Coleoptera: Tenebrionidae)**  
Berk Ş., Pektaş A. N.  
IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS) (2020), vol.13, pp.44-50, 2020 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **COMPARISON OF THE CEPHEID OPENACCESS FLEX04 CARTRIDGE WITH COMMERCIAL ASSAYS DURING SEASONAL EPIDEMIC IN SIVAS, TURKEY**  
Abdurahman S., Combe P., Elaldı N., Bağcı B., Pektaş A. N., Thirion L., Bombarde B., Planchon P., Mirazimi A.  
3rd International Conference on Crimean-Congo Hemorrhagic Fever, Thessaloniki, Greece, 19 - 21 September 2023, pp.1-53
- II. **Evaluation of Minimally Invasive Clinical Samples for Molecular Diagnosis of Crimean-Congo Hemorrhagic Fever: An Advantage for Dried Blood Spots**  
Elaldı N., Wand ., Pektaş A. N., Bağcı B., D'Addiego J., Slack G., Çömez A., İnce A. T., Öz M., Hewson .  
10. Türkiye EKMUD Bilimsel Kongresi, Antalya, Turkey, 25 - 29 May 2022, pp.83-84
- III. **TOLL-BENZERİ RESEPTÖR 7 ve 8 POLİMORFİZMLERİNİN COVID-19 ŞİDDETİ İLE İLİŞKİSİ**  
Bağcı G., Gündoğdu O., Pektaş A. N., Bağcı B., Avci O., Gürsoy S., Kaygusuz K., Elaldı N.  
7. Türkiye in vitro Diyagnostik (IVD) Sempozyumu, İzmir, Turkey, 27 - 29 April 2022, pp.1

## Supported Projects

Pektaş A. N., Çetin İ., Bağcı B., Araslı M., Elaldı N., Hewson R., Mirazımı A., Neogi U., Appelberg S., Krishnan S., Project Supported by Higher Education Institutions, Kırım-Kongo Kanamalı Ateşi'nde ardışık kan lenfosit alt-gurupları ve serum interferon, Th1 sitokinleri ile IL-10 düzeylerinin hastalık prognozuna etkisinin araştırılmasıInvestigation of the sequential blood lymphocyte sub-groups, serum levels of interferons, Th1 cytokines and IL-10 on the progression of Crimean-Congo Hemorrhagic Fever, 2020 - 2022

Korkmaz E. M., Pektaş A. N., Project Supported by Higher Education Institutions, Farklı Kınkanathılar (Insecta: Coleoptera) Üyelerinde Defensin Geninin Gen Anatomisinin Belirlenmesi, Evrimsel Öyküsünün Çıkarımı ve Gen Ürünlerinin Antimikrobiyal Aktivitelerinin Sınanması, 2017 - 2022

## Scientific Refereeing

Biyolojik Çeşitlilik ve Koruma, National Scientific Refreed Journal, February 2024

BIO-PROTOCOL, National Scientific Refreed Journal, May 2023

SOUTH AFRICAN JOURNAL OF BOTANY, SCI Journal, April 2023

Journal of Physical Chemistry and Functional Materials, National Scientific Refreed Journal, July 2022

Biyolojik Çeşitlilik ve Koruma, National Scientific Refreed Journal, November 2021

CUMHURİYET SCIENCE JOURNAL, National Scientific Refreed Journal, November 2020

## Metrics

Publication: 39

Citation (WoS): 2

Citation (Scopus): 2

H-Index (WoS): 2

H-Index (Scopus): 2

## Awards

Bağcı G., Gündoğdu O., Pektaş A. N., Bağcı B., Avcı O., Gürsoy S., Kaygusuz K., Elaldı N., Poster Bildiri İkincilik Ödülü, Türk Biyokimya Derneği, April 2022