



# ERGİN ŞAHİN

## ASSOC. PROF.

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-9354-2020

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### Learning Knowledge

Doctorate  
2014 - 2018

Ankara University, Fen Bilimleri Enstitüsü, Turkey

Postgraduate  
2009 - 2012

University of Louisville, Medical School, Microbiology and Immunology, United States Of America

Postgraduate  
2006 - 2008

Ankara University, Sağlık Bilimleri Enstitüsü, Turkey

Undergraduate  
2002 - 2006

Ankara University, Fen Fakültesi, Biyoloji Bölümü, Turkey

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Vocational Course, Deney Hayvanları Kullanım Sertifikası, Ankara Üniversitesi, 2015

### Dissertations

Doctorate, Kırım kongo kanamalı ateşi virüsü için bir DNA tabanlı aşı geliştirilmesi, Ankara University, Fen Bilimleri Enstitüsü, 2018

Postgraduate, Kronik Hepatit B'li hastalarda tedavi sırasında viral polimeraz geninde oluşan antiviral direnç mutasyonlarının değerlendirilmesi, Ankara University, Sağlık Bilimleri Enstitüsü, 2008

## Academic Titles / Tasks

Assistant Professor  
2021 - Continues

Dokuz Eylul University, Fen Fakültesi, Biyoloji Bölümü

Research Assistant  
2014 - 2021

Ankara University, Fen Fakültesi, Biyoloji Bölümü

Research Assistant  
2009 - 2012

University of Louisville, Medical School, Microbiology and Immunology

## Supported Projects

1. ŞAHİN E., EDİŞ G., AKATA I., Project Supported by Higher Education Institutions, Ankara Üniversitesi Beşevler 10. Yıl Yerleşkesinde Yayılış Gösteren Makro ve Likenleşmiş Fungusların Konaklık Ettiği Virüslerin Biyoçeşitliliğinin Ortaya Çıkarılması, 2023 - Continues
2. ŞAHİN E., Erkmen S., Project Supported by Higher Education Institutions, KÖK ÇÜRÜKLÜĞÜ MANTARI ARMİLLARİA'NIN KONAKLIK ETTİĞİ RNA VİRÜSLERİNİN TANIMLANMASI VE MOLEKÜLER OLARAK NİTELENDİRİLMESİ, 2023 - Continues
3. Şahin E., Akata I., Kaya S., TUBITAK Project, Identification and genomic characterization of mycoviruses that infect the dermatophytosis agent *Trichophyton rubrum* and investigation of their phenotypic effects on their hosts, 2023 - 2026
4. Şahin E., Akata I., TUBITAK Project, Identification and Molecular Characterization of Mycoviruses Infecting Truffles Distributed In The Part of Thracian Region Located Within The Borders of Turkey, 2022 - 2025
5. Şahin E., Project Supported by Higher Education Institutions, Ekonomik Öneme Sahip Bazı Makroskopik Askomiset (Ascomycota) Türlerini Enfekte Eden RNA Virüslerinin Tanımlanması ve Moleküler Özelliklerinin Belirlenmesi, 2020 - 2021
6. Şahin E., Project Supported by Higher Education Institutions, Türkiye'de Yayılış Gösteren Bazı Zehirli Makromantar Türlerini Enfekte Eden Çift İplikçikli RNA Virüslerinin Tanımlanması ve Karakterizasyonu, 2019 - 2021
7. Şahin E., Akata I., Project Supported by Higher Education Institutions, Türkiye'de Yayılış Gösteren Bazı Yenir ve Tıbbi Makromantar Türlerini Enfekte Eden İmmün Uyarıcı Özellikteki Çift İplikçikli RNA Virüslerinin Tanımlanması ve Karakterizasyonu, 2019 - 2021

## Scholarships

YLSY, Ministry of Education, 2008 - 2013

Yurtiçi Yüksek Lisans Burs Programı, TUBITAK, 2007 - 2008

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

1. **Complete Genome Analyses of a Novel Flexivirus with Unique Genome Organization and Three Endornaviruses Hosted by the Mycorrhizal Fungus *Terfezia clavervii***  
Akata I., Edis G., Ozbey B. G., Keskin E., Şahin E.  
CURRENT MICROBIOLOGY, vol.81, no.1, pp.210, 2024 (SCI-Expanded)
2. **Molecular characterization of the complete genome of a novel ormycovirus infecting the ectomycorrhizal fungus *Hortiboletus rubellus***  
Şahin E., Edis G., Keskin E., Akata I.  
ARCHIVES OF VIROLOGY, vol.169, pp.1-6, 2024 (SCI-Expanded)

3. **Identification and complete genome sequencing of a novel betapartitivirus naturally infecting the mycorrhizal desert truffle *Terfezia clavaryi***  
ŞAHİN E., ÖZBEY SARIDOĞAN B. G., KESKİN E., AKATA I.  
Virus Genes, vol.59, no.2, pp.254-259, 2023 (SCI-Expanded)
4. **Diverse partitiviruses hosted by the ectomycorrhizal agaric *Hebeloma mesophaeum* and the natural transmission of a partitivirus between phylogenetically distant, sympatric fungi**  
AKATA I., Edis G., KESKİN E., ŞAHİN E.  
Virology, vol.581, pp.63-70, 2023 (SCI-Expanded)
5. **Full-length genome characterization of a novel mitovirus isolated from the root rot fungus *Armillaria mellea***  
Erkmen S., Şahin E., Akata I.  
Virus Genes, 2023 (SCI-Expanded)
6. **Molecular characterization of a new mitovirus hosted by the ectomycorrhizal fungus *Albatrellopsis flettii***  
AKATA I., KESKİN E., Sahin E.  
ARCHIVES OF VIROLOGY, vol.166, no.12, pp.3449-3454, 2021 (SCI-Expanded)
7. **Molecular characterization of the complete genome of a novel partitivirus hosted by the saprobic mushroom *Leucocybe candicans***  
Sahin E., KESKİN E., AKATA I.  
ARCHIVES OF MICROBIOLOGY, vol.203, no.9, pp.5825-5830, 2021 (SCI-Expanded)
8. **Putative Group I Introns in the Nuclear Internal Transcribed Spacer of the Basidiomycete Fungus *Gautieria Vittad***  
Sahin E.  
CYTOLOGY AND GENETICS, vol.55, no.5, pp.471-479, 2021 (SCI-Expanded)
9. **The unique genome organization of two novel fusariviruses hosted by the true morel mushroom *Morchella esculenta***  
Sahin E., KESKİN E., AKATA I.  
VIRUS RESEARCH, vol.302, 2021 (SCI-Expanded)
10. **Molecular characterization of a new endornavirus inhabiting the ectomycorrhizal fungus *Hygrophorus penarioides***  
Sahin E., AKATA I., KESKİN E.  
BRAZILIAN JOURNAL OF MICROBIOLOGY, vol.52, no.3, pp.1167-1172, 2021 (SCI-Expanded)
11. **Molecular characterization of a novel partitivirus hosted by the false morel mushroom *Gyromitra esculenta***  
Sahin E., KESKİN E., AKATA I.  
ARCHIVES OF VIROLOGY, vol.166, no.4, pp.1247-1251, 2021 (SCI-Expanded)
12. **Full-length genome characterization of a novel alphapartitivirus detected in the ectomycorrhizal fungus *Hygrophorus penarioides***  
Sahin E., AKATA I.  
VIRUS GENES, vol.57, no.1, pp.94-99, 2021 (SCI-Expanded)
13. **Novel and diverse mycoviruses co-inhabiting the hypogeous ectomycorrhizal fungus *Picoa juniperi***  
Sahin E., KESKİN E., AKATA I.  
VIROLOGY, vol.552, pp.10-19, 2021 (SCI-Expanded)
14. **Full-length genome characterization of a new fusagravirus hosted by the spring orange peel fungus *Caloscypha fulgens***  
Sahin E., KESKİN E., AKATA I.  
ACTA VIROLOGICA, vol.65, no.3, pp.313-319, 2021 (SCI-Expanded)
15. **Novel and divergent bipartite mycoviruses associated with the ectomycorrhizal fungus *Sarcosphaera coronaria***  
Sahin E., AKATA I., KESKİN E.  
VIRUS RESEARCH, vol.286, 2020 (SCI-Expanded)

16. **Evaluation of the CRISPR/Cas9 directed mutant TP53 gene repairing effect in human prostate cancer cell line PC-3**  
Batir M. B., Sahin E., Cam F. S.  
MOLECULAR BIOLOGY REPORTS, vol.46, no.6, pp.6471-6484, 2019 (SCI-Expanded)
17. **Complete genome sequence of a novel mitovirus from the ectomycorrhizal fungus Geopora sumneriana**  
Sahin E., AKATA I.  
ARCHIVES OF VIROLOGY, vol.164, no.11, pp.2853-2857, 2019 (SCI-Expanded)
18. **Introduction of novel thermostable alpha-amylases from genus Anoxybacillus and proposing to group the Bacillaceae related alpha-amylases under five individual GH13 subfamilies**  
Cihan A. C., Yildiz E. D., Sahin E., MUTLU Ö.  
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol.34, no.7, 2018 (SCI-Expanded)
19. **Discovery of a Novel Compound with Anti-Venezuelan Equine Encephalitis Virus Activity That Targets the Nonstructural Protein 2**  
Chung D., Jonsson C. B., Tower N. A., Chu Y., Sahin E., Golden J. E., Noah J. W., Schroeder C. E., Sotsky J. B., Sosa M. I., et al.  
PLOS PATHOGENS, vol.10, no.6, 2014 (SCI-Expanded)
20. **beta-Tubulin mRNA Expression Profiles During Long-Term Memory Formation in Classically Conditioned C. Elegans**  
Erdogan M., Sahin E.  
JOURNAL OF NEUROLOGICAL SCIENCES-TURKISH, vol.30, no.2, pp.296-304, 2013 (SCI-Expanded)

#### Articles Published in Other Journals

1. **Amanita vidua: A new record for Turkish Amanita Section Phalloideae based on morphological and molecular data**  
Akata I., Kumru E., Şahin E., Acar I., Kaya E.  
TRAKYA UNIVERSITY JOURNAL OF NATURAL SCIENCES, vol.25, no.1, pp.97-110, 2024 (ESCI)
2. **Delastria, A NEW GENUS OF HYPOGEOUS FUNGI RECORD FOR THE TURKISH MYCOBIOTA**  
Akata I., ŞEN İ., Sahin E., ÇOL B., Keskin E.  
Trakya University Journal of Natural Sciences, vol.24, no.2, pp.85-90, 2023 (ESCI)
3. **Three New Records For Turkish<i> Agaricales</i> Inhabiting Ankara University Beevler 10th Year Campus Area**  
AKATA I., Kumru E., Edis G., ÖZBEY B. G., ŞAHİN E.  
KASTAMONU UNIVERSITY JOURNAL OF FORESTRY FACULTY, no.3, pp.250-263, 2023 (ESCI)
4. **Pisolithus albus, A New Record For Turkish Gastroid Fungi**  
Akata I., Altuntaş D., Özbey Sarıdoğan B. G., Şahin E.  
MANTAR DERGİSİ, vol.13, no.2, pp.128-133, 2022 (Peer-Reviewed Journal)
5. **Albatrellopsis flettii, A New Genus for Turkish Albatrellaceae**  
ALTUNTAŞ D., ŞAHİN E., KABAKTEPE Ş., ALLI H., AKATA I.  
KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.24, no.4, pp.815-819, 2021 (ESCI)
6. **Two New Additions to Turkish Tulostoma**  
AKATA I., ŞAHİN E., ALTUNTAŞ D., KABAKTEPE Ş.  
KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.24, no.5, pp.1104-1110, 2021 (ESCI)
7. **Assessment of the immunogenicity and protective aspects of a dna vaccine targeting crimean congo hemorrhagic fever virus glycoprotein gc Kırım kongo kanamalı ateşi virüsü glikoprotein gc'yi hedef alan bir dna aşısının bağışıklık ve koruyuculuk sağlama özelliklerinin değerlendirilmesi**  
ŞAHİN E., ÇÖLERİ CİHAN A., Aligholipour Farzani T., Földes K., ENGİN E. D., ÖZKUL A.

- Duzce Medical Journal, vol.23, pp.66-75, 2021 (Scopus)
8. **A Note on Battarrea phalloides in Turkey**  
AKATA I., ALTUNTAŞ D., ŞAHİN E., ALLI H., KABAKTEPE Ş.  
MANTAR DERGİSİ, vol.12, no.1, pp.1-9, 2021 (Peer-Reviewed Journal)
  9. **Tuber Fulgens Quél. A New Record for Turkish Truffles**  
AKATA I., SEVİNDİK M., ŞAHİN E.  
Turkish Journal of Agriculture - Food Science and Technology, vol.8, no.11, pp.2472-2475, 2020 (Peer-Reviewed Journal)
  10. **Notes On Mycenastrum corium in Turkey**  
ALTUNTAŞ D., ŞAHİN E., KABAKTEPE Ş., AKATA I.  
Mantar Dergisi, vol.11, no.1, pp.84-89, 2020 (Peer-Reviewed Journal)
  11. **Callistosporium, A new genus record for Turkish mycobiota**  
AKATA I., ALTUNTAŞ D., ŞAHİN E.  
Trakya University Journal of Natural Sciences, vol.21, no.1, pp.33-37, 2020 (ESCI)
  12. **Viruses infecting macrofungi**  
ŞAHİN E., AKATA I.  
VirusDisease, vol.29, no.1, pp.1-18, 2018 (Scopus)
  13. **Oleuropein and rutin protect against 6-OHDA-induced neurotoxicity in PC12 cells through modulation of mitochondrial function and unfolded protein response**  
Elmazoğlu Z., ERGİN V., ŞAHİN E., KAYHAN H., KARASU Ç.  
Interdisciplinary Toxicology, vol.10, no.4, pp.129-141, 2017 (Scopus)
  14. **Evaluation of antiviral resistant hepatitis B virus subpopulations in patients with chronic hepatitis B by using terminal restriction fragment length polymorphism**  
ŞAHİN E.  
VirusDisease, vol.26, no.4, pp.267-275, 2015 (Scopus)
  15. **Development of Oncolytic Reovirus for Cancer Therapy**  
ŞAHİN E., Michael E E., Kelly M M., Heshan Sam Z.  
Journal of Cancer Therapy, vol.4, no.06, pp.1100-1115, 2013 (Peer-Reviewed Journal)

## Books & Book Chapters

1. **Macrofungi**  
AKATA I., ALTUNTAŞ D., ŞAHİN E.  
in: Biodiversity Of Ankara University Beseverler 10th Year Campus, Ahmet ALTINDAĞ, Editor, Ankara University Publishing House, Ankara, pp.2-48, 2021

## Refereed Congress / Symposium Publications in Proceedings

1. **Multiple infections by bipartite dsRNA mycoviruses and an unassigned virus in the ascomycetous fungus Caloscypha fulgens**  
ŞAHİN E.  
International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), Turkey, 16 December 2020
2. **Viruses of ectomycorrhizal fungi from an evolutionary perspectives**  
ŞAHİN E.  
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Turkey, 07 October 2020
3. **In Vitro Expression of CCHFV Surface Glycoprotein GC via a Plasmid Vector Generated as DNA Based Vaccine**

ŞAHİN E., ÇÖLERİ CİHAN A., ÖZKUL A.

2nd International Conference on Crimean-Congo Hemorrhagic Fever, 10 - 12 September 2017

4. **Viruses of Fungi: Perspectives on Macrofungal Virology**

ŞAHİN E., AKATA I.

1ST INTERNATIONAL EURASIA MYCOLOGY CONGRESS, Manisa, Turkey, 03 July 2017

5. **The use of terminal restriction fragment length polymorphism for the evaluation of antiviral resistant hepatitis B virus subpopulations in patients with chronic hepatitis B**

ŞAHİN E.

Viral hepatitis congress, 10 December 2015 - 12 January 2016

6. **Exosomes derived from ascitic fluid of patients with ovarian carcinoma induce IL 4 gene expression in T lymphocytes**

ŞAHİN E., Douglas D T., Cicek Gercel T.

AACR Special Conference: Tumor Immunology and Immunotherapy: A New Chapter, 1 - 04 December 2014, vol.3, pp.82

## Scientific Refereeing

FRONTIERS IN MICROBIOLOGY, Journal Indexed in SCI-E, August 2021

ARCHIVES OF VIROLOGY, Journal Indexed in SCI-E, July 2021

## Metrics

Publication: 42

Citation (WoS): 139

Citation (Scopus): 71

H-Index (WoS): 7

H-Index (Scopus): 4

## Research Areas

Natural Sciences