

## Res. Asst. PhD HİLAL BAŞAK EROL

### Personal Information

Office Phone: [+90 212 318 7](tel:+902123187)

Email: [hcuhadaroglu@ankara.edu.tr](mailto:hcuhadaroglu@ankara.edu.tr)

Web: <https://avesis.ankara.edu.tr/hcuhadaroglu>

### International Researcher IDs

ScholarID: vJlbqTQAAAAJ

ORCID: 0000-0002-7943-755X

Publons / Web Of Science ResearcherID: AAD-4731-2022

ScopusID: 57191901661

Yoksis Researcher ID: 184554

### Education Information

Doctorate, Ankara University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, Turkey 2014 - 2021

Undergraduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 2007 - 2012

### Certificates, Courses and Trainings

Other, Pharmankara-III Miko Sanat Atölyesi, Ankara Üniversitesi, 2022

Vocational Course, Veri türlerine Göre İstatistiksel Analiz Yöntemleri Eğitim Programı, Ankara Üniversitesi, 2022

Other, Meclis Bahçesi, Çocuk Bahçesi Bilim Şenliği, Türkiye Büyük Millet Meclisi, 2022

### Dissertations

Doctorate, Acquisition of LYTIC bacteriophages specific to acinetobacter baumannii strains affecting hospital infection and investigation of potential to use in treatment, Ankara University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2021

### Research Areas

Pharmaceutical Microbiology, Health Sciences, Natural Sciences

### Academic Titles / Tasks

Research Assistant, Ankara University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2014 - Continues

Research Assistant, Marmara University, Faculty Of Pharmacy, Professional Pharmaceutical Sciences, 2012 - 2014

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

1. Adapting nature's own solution: The effect of rhamnolipid and lytic bacteriophage cocktail on

### **enteric pathogens that proliferate in mucilage**

KAŞKATEPE B., EROL H. B., Sönmez V. Z., Arikan M., ÜNAL A. E., KESKİN E., SİVRİ N.

Marine Pollution Bulletin, vol.206, 2024 (SCI-Expanded)

- II. **Characterization of Salmonella phages isolated from poultry coops and its effect with nisin on food bio-control**  
Unverdi A., EROL H. B., KAŞKATEPE B., Babacan O.  
Food Science and Nutrition, vol.12, no.4, pp.2760-2771, 2024 (SCI-Expanded)
- III. **Characterization of two bacteriophages specific to *Acinetobacter baumannii* and their effects on catheters biofilm**  
EROL H. B., KAŞKATEPE B., YILDIZ S., ALTANLAR N., Bayrakdar F.  
CELL BIOCHEMISTRY AND FUNCTION, vol.42, no.2, 2024 (SCI-Expanded)
- IV. **Effect of phage and rhamnolipid on *Salmonella* Infantis biofilm removal and biological control of phage on food deterioration**  
EROL H. B., KAŞKATEPE B.  
INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY, vol.59, no.1, pp.120-128, 2024 (SCI-Expanded)
- V. **The effect of phage-antibiotic combination strategy on multidrug-resistant *Acinetobacter baumannii* biofilms**  
EROL H. B., KAŞKATEPE B., YILDIZ S., ALTANLAR N.  
JOURNAL OF MICROBIOLOGICAL METHODS, vol.210, 2023 (SCI-Expanded)
- VI. **The comparison of lytic activity of isolated phage and commercial Intesti bacteriophage on ESBL producer *E. coli* and determination of Ec\_P6 phage efficacy with in vivo *Galleria mellonella* larvae model**  
EROL H. B., KAŞKATEPE B., Ozturk S., Safi Oz Z.  
Microbial Pathogenesis, vol.167, 2022 (SCI-Expanded)
- VII. **The evaluation of five commercial bacteriophage cocktails against methicillin-resistant *Staphylococcus aureus* isolated from nasal swab samples**  
EROL H. B., KAŞKATEPE B., Bakkaloglu Z., Suzuk Yildiz S.  
ARCHIVES OF MICROBIOLOGY, vol.203, no.9, pp.5735-5743, 2021 (SCI-Expanded)
- VIII. **In vitro antimicrobial activity of three new generation disinfectants**  
ERYILMAZ M., KAŞKATEPE B., Kiyimaci M. E., EROL H. B., Simsek D., Gumustas A.  
TROPICAL JOURNAL OF PHARMACEUTICAL RESEARCH, vol.15, no.10, pp.2191-2195, 2016 (SCI-Expanded)
- IX. **Comparison of the contents and antimicrobial activities of commercial and natural cinnamon oils**  
Kaskatepe B., Kiyimaci M. E., Simsek D., Erol H. B., ASLAN ERDEM S.  
Indian Journal of Pharmaceutical Sciences, vol.78, no.4, pp.541-548, 2016 (SCI-Expanded)

### **Articles Published in Other Journals**

- I. **In vitro bacteriolytic activity of Salmonella specific novel isolated bacteriophage**  
Erol H. B., Kaşkatepe B.  
JOURNAL OF RESEARCH IN PHARMACY, vol.28, no.1, pp.133-141, 2024 (ESCI)
- II. **THE EFFECT OF ESCHERICHIA COLI BACTERIOPHAGE COCKTAIL ON BACTERIAL CONTAMINATION IN WATER**  
Erol H. B., Keskin A.  
ANKARA UNIVERSİTESİ ECZACILIK FAKULTESİ DERGİSİ, vol.48, no.1, pp.242-250, 2024 (Scopus)
- III. **Synthesis and Antibacterial Activity of Some Aryloxyacetic Acid Derivatives Containing Aryl Sulfonate Moiety**  
ŞENKARDEŞ S., Koyuncu T., EROL H. B., KAŞKATEPE B.  
Online Türk Sağlık Bilimleri Dergisi, vol.8, no.2, pp.260-265, 2023 (Peer-Reviewed Journal)
- IV. **GENETIC DIVERSITY OF ACINETOBACTER BAUMANNII STRAINS ISOLATED FROM DIFFERENT HOSPITALS FARKLI HASTANELERDEN İZOLE EDİLEN ACINETOBACTER BAUMANNII SUŞLARININ**

## GENETİK ÇEŞİTLİLİĞİ

EROL H. B., KAŞKATEPE B., ALTANLAR N., YILDIZ S., Yalçın S.

Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.47, no.1, pp.104-110, 2023 (Scopus)

- V. **Comparison of the in vitro efficacy of commercial bacteriophage cocktails and isolated bacteriophage vB\_Pa01 against carbapenem resistant nosocomial Pseudomonas aeruginosa**  
EROL H. B., KAŞKATEPE B.  
JOURNAL OF RESEARCH IN PHARMACY, vol.25, no.4, pp.407-414, 2021 (ESCI)
- VI. **ISOLATION OF NEWLY ISOLATED VB\_K1 BACTERIOPHAGE AND INVESTIGATION OF SUSCEPTIBILITY ON ESBL POSITIVE KLEBSIELLA SPP.**  
EROL H. B., KAŞKATEPE B.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.45, no.3, pp.515-523, 2021 (Scopus)
- VII. **Antimicrobial efficacies of four multi-purpose contact lens care solutions**  
ERYILMAZ M., KAŞKATEPE B., Kiyimci M. E., Simsek D., EROL H. B.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.42, no.2, pp.15-22, 2018 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Isolation of Salmonella Bacteriophage in Poultry and its Characterizations**  
ÜNVERDİ A., EROL H. B., KAŞKATEPE B.  
ISOPS-13, Ankara, Turkey, 23 June 2021
- II. **The Susceptibility of Esbl Positive Klebsiella spp. Strains to A Newly Isolated Vb\_K1 Bacteriophage.**  
EROL H. B., KAŞKATEPE B.  
ISOPS-13, Ankara, Turkey, 23 June 2021
- III. **Susceptibility of ESBL Positive E. coli Strains to Commercially Available and Laboratory Isolated Bacteriophage**  
Erol H. B.  
8th World Conference on Pharmaceutical Science and Drug Manufacturing, Udon Thani, Thailand, 17 - 18 April 2021, pp.1-5
- IV. **Çoklu İlaç Dirençli {Acinetobacter baumannii} izolatlarına Özgü Litik Bakteriyofaj Eldesi ve Karakterizasyonu**  
EROL H. B., YILDIZ S., KAŞKATEPE B., ALTANLAR N.  
TMC 2020 Çevrimiçi Mikrobiyoloji Sempozyumu, İstanbul, Turkey, 25 December 2020
- V. **PYOCYANIN PRODUCTION OF PSEUDOMONAS AERUGINOSA ISOLATES AND DETERMINATION OF ANTIMICROBIAL ACTIVITY**  
EROL H. B., YILDIZ S.  
INTERNATIONAL SYMPOSIUM ON PHARMACEUTICAL SCIENCES-ISOPS 12, 26 - 29 June 2018
- VI. **The antimicrobial activities of some commercial essential oils**  
EROL H. B., KIYMACI M. E., YILDIZ S.  
2nd International Gazi Symposium Series, 11 - 13 October 2017
- VII. **Invitro Antimicrobial Efficacy of Four Contact Lens Care Solutions**  
ERYILMAZ M., KAŞKATEPE B., KIYMACI M. E., ŞİMŞEK D., EROL H. B., GÜMÜŞTAŞ A.  
11th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 9 - 12 June 2015
- VIII. **Evaluation of In vitro Antimicrobial Efficacy of Some New Generation Disinfectants**  
ERYILMAZ M., KAŞKATEPE B., KIYMACI M. E., EROL H. B., ŞİMŞEK D., GÜMÜŞTAŞ A.  
11th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 9 - 12 June 2015
- IX. **Comparing the antimicrobial activities of various commercial essential oils of cinnamon and rosemary.**  
KAŞKATEPE B., KIYMACI M. E., ŞİMŞEK D., EROL H. B., ASLAN ERDEM S., YILDIZ S.  
ICAR, 1 - 03 October 2014

## Supported Projects

Kaşkatepe B., Erol H. B., Sönmez V. Z., Sivri N., TUBITAK Project, Marmara Denizi Enterik Patojenlerine Özgü Litik Bakteriofajlar İle Etkin Biyosümfaktan Ramnolipidin Birlikte Kullanımının Müsilaj Üzerine Olası Etkinliğinin Belirlenmesi, 2021 - 2022

Kaşkatepe B., Erol H. B., Project Supported by Higher Education Institutions, Hastane Enfeksiyonu Etkeni Acinetobacter baumannii Suşlarına Özgü Litik Bakteriyofajların Elde Edilmesi ve Tedavide Kullanım Potansiyelinin Araştırılması, 2018 - 2020

## Scientific Refereeing

ANKARA UNIVERSİTESİ ECZACILIK FAKULTESİ DERGİSİ, Other Indexed Journal, February 2022

ANKARA UNIVERSİTESİ ECZACILIK FAKULTESİ DERGİSİ, Other Indexed Journal, January 2022

## Metrics

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