

## Res. Asst. PhD TUBA ÜNVER

### Personal Information

**Office Phone:** [+90 422 341 1216](tel:+904223411216) Extension: 7191

**Email:** [tuba.unver@inonu.edu.tr](mailto:tuba.unver@inonu.edu.tr)

**Web:** <https://avesis.inonu.edu.tr/tuba.unver>

**Address:** İnönü Üniversitesi Eczacılık Fakültesi Temel Eczacılık Bilimleri F. Mikrobiyoloji A.B.D. 44280 Battalgazi / Malatya

### International Researcher IDs

ScholarID: UGdCU\_oAAAAJ

ORCID: 0000-0002-8655-2716

Publons / Web Of Science ResearcherID: ABI-6440-2020

ScopusID: 57224779718

Yoksis Researcher ID: 214228

### Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 2018 - 2022

Postgraduate, University of Sydney, Faculty Of Medicine, Center For Infectious Diseases And Microbiology, Australia 2009 - 2011

Masters (Non-Thesis), Fırat University, Institute Of Educational Sciences, Turkey 2005 - 2006

Undergraduate, Inonu University, Fen Edebiyat Fakültesi, Biyoloji, Turkey 2001 - 2005

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Foreign Language, İngilizce kursu, English Language Centre Macquarie University, Sydney, 2007

### Dissertations

Doctorate, MİKROBİYAL KONDROİTİN SÜLFATIN ANTİFUNGAL ETKİSİNİN ÇEŞİTLİ CANDİDA SUŞLARINDA FARKLI ANTİMİKROBİYAL TEST YÖNTEMLERİ KULLANILARAK KARŞILAŞTIRILMASI, Inonu University, Fen-Edebiyat Fakültesi, 2022

Postgraduate, Infection and Co-infection in critical illness: Rapid diagnosis by MT-PCR, University of Sydney, Faculty of Medicine, Center Of Infectious Disease And Microbiology, 2011

### Research Areas

Health Sciences, Pharmacology and Therapeutics, Basic Pharmaceutics Sciences, Pharmaceutical Microbiology

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

- I. **Unveiling the Chemical Constituents and Inhibitory Roles of Extracts from *Pinus pinea* L. Nut and Nutshell: A Novel Source for Pharmaceutical Antimicrobials.**  
Unver T., Gurhan I.  
Chemistry & biodiversity, 2024 (SCI-Expanded)
- II. **Elucidating the antimicrobial and anticarcinogenic potential of methanolic and water extracts of edible *Tragopogon coelestis* Boiss.**  
Unver T., Uzuner U., Çelik Uzuner S., Gürhan İ., Sivri N. S., Özdemir Z.  
FOOD SCIENCE & NUTRITION, vol.00, pp.1-21, 2024 (SCI-Expanded)
- III. **Chemical composition and antimicrobial activity of an apolar extract from *Lactuca serriola* L. leaves**  
Unver T., Gurhan I.  
BIOCHEMICAL SYSTEMATICS AND ECOLOGY, vol.114, pp.104832, 2024 (SCI-Expanded)
- IV. **Screening of phenolic components and antimicrobial properties of *Iris persica* L. subsp. *persica* extracts by in vitro and in silico methods**  
Unver T., Uslu H., Gurhan I., Goktas B.  
FOOD SCIENCE & NUTRITION, vol.00, pp.1-17, 2024 (SCI-Expanded)
- V. **Development of microbial chondroitin sulfate-based proton exchange membranes for microbial fuel cells**  
Erenler S. A., Unver T., Ozaslan B. F., Koytepe S., Sezer S.  
FUEL, vol.363, pp.1-10, 2024 (SCI-Expanded)
- VI. **Assessment of the Antifungal Effect of Biotechnological Product-A New Vegan Agent Microbial Chondroitin Sulfate Against Predominant *Candida* Strains**  
Erenler A. Ş., Ünver T., Melekoğlu R.  
IRANIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, vol.43, no.1, pp.1-7, 2024 (SCI-Expanded)
- VII. **Comparative evaluation of cytotoxic and anti-metastatic function of microbial chondroitin sulfate and animal-originated commercial chondroitin sulfate in cancer cells**  
Unver T., Çelik Uzuner S., Erenler A. S.  
CELLULAR AND MOLECULAR BIOLOGY, vol.9, no.9, pp.8-14, 2023 (SCI-Expanded)
- VIII. **Comparative Analysis of Antioxidant, Anticholinesterase, and Antibacterial Activity of Microbial Chondroitin Sulfate and Commercial Chondroitin Sulfate.**  
Unver T., Erenler A. S., Bingul M., Boga M.  
Chemistry & biodiversity, 2023 (SCI-Expanded)
- IX. **Preparation, characterization, and biocompatibility of chondroitin sulfate-based sol-gel coatings and investigation of their effects on osseointegration improvement**  
PAŞAHAN A., SEVİMLİ R., KIVİLCİM F. N., Acari I. K., ERENLER A. Ş., Sezer S., Durmat H. T., Huz M., ÜNVER T., SEÇKİN T., et al.  
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, 2022 (SCI-Expanded)
- X. **Biochemical Effect Evaluation of Microbial Chondroitin Sulphate in Experimental Knee Osteoarthritis Model**  
ERENLER A. Ş., BAY KARABULUT A., SEVİMLİ R., GEÇKİL H., AKPOLAT N., ÜNVER T., OTLU Ö.  
Fresenius Environmental Bulletin, vol.31, no.1, pp.510-516, 2022 (SCI-Expanded)
- XI. **The vaginal microbiota composition of women undergoing assisted reproduction: a prospective cohort study**  
Karaer A., Doğan B., Günel S., Tuncay G., Arda Düz S., Ünver T., Tecellioğlu N.  
BJOG-AN INTERNATIONAL JOURNAL OF OBSTETRICS AND GYNAECOLOGY, vol.128, no.13, pp.2101-2109, 2021 (SCI-Expanded)
- XII. **Rapid identification of Gram-positive pathogens and their resistance genes from positive blood**

**culture broth using a multiplex tandem RT-PCR assay.**

HAZELTON B., THOMAS L., Ünver T., IREDELL J.

Journal of medical microbiology, vol.62, pp.223-231, 2013 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Shikimic acid, cyclohexene as a hydroaromatic intermediate, harbors potent in vitro antimicrobial activity**  
ÜNVER T.  
Annals of Medical Research, vol.31, no.7, pp.504-509, 2024 (Peer-Reviewed Journal)
- II. **A preliminary study of fumaric acid, called allomaleic acid, as a pharmaceutical antimicrobial compound**  
ÜNVER T.  
Medicine Science, vol.13, no.2, pp.383-387, 2024 (Peer-Reviewed Journal)
- III. **Isorhamnetin as a promising natural bioactive flavonoid: in vitro assessment of its antifungal property**  
ÜNVER T.  
International Journal of Agriculture, Environment and Food Sciences, vol.8, no.1, pp.54-61, 2024 (Peer-Reviewed Journal)
- IV. **The inhibitory effects of taxifolin, namely dihydroquercetin as a pharmaceutical agent on the growth of bacterial and fungal species**  
ÜNVER T.  
Annals of Medical Research, vol.31, no.3, pp.222-227, 2024 (Peer-Reviewed Journal)
- V. **Detection of bacterial co-infection in patients with severe influenza**  
ÜNVER T.  
Medicine Science, vol.12, no.2, pp.448-452, 2023 (Peer-Reviewed Journal)
- VI. **Antifungal activity of microbial chondroitin sulfate against *Candida albicans***  
ÜNVER T., ERENLER A. Ş., MELEKOĞLU R., AKPOLAT N., SEÇKİN T., AZİMOV R., ÖZASLAN F. B.  
MEDICINE SCIENCE INTERNATIONAL MEDICAL JOURNAL, vol.9, no.2, pp.433-436, 2020 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **CHAPTER 6: THE VAGINAL MICROENVIRONMENT: THE DOMINANT SPECIES IN THE VAGINAL TRACT**  
ÜNVER T., ERENLER A. Ş.  
in: NEW HORIZONS IN THE HEALTH SCIENCES, ÇİÇEK Hülya, Editor, Iksad Publications, Ankara, pp.123-143, 2022
- II. **Chapter 3: Chondroitin Sulfate and Its Clinical Applications in Different Fields**  
ERENLER A. Ş., ÜNVER T., KIRAN T. R.  
in: INSAC World Health Sciences, DALKILIÇ Mehmet, KÖKSOY Hale, Editor, Gece Publishing, Ankara, pp.65-77, 2022
- III. **CHAPTER VII: SEPSIS, SEVERE SEPSIS AND SEPTIC SHOCK: A SHORT REVIEW**  
ÜNVER T.  
in: HEALTH SCIENCES Current Researches and New Trends 4, KAFADAR Hüseyin, Editor, Ivpe Publications, Cetinje, pp.69-83, 2022
- IV. **Chapter 6: Comparative evaluation of in-vitro methods for antimicrobial activity determination**  
ÜNVER T., ERENLER A. Ş.  
in: Health And Science, Öz Sevi, Taşçı Yasemin, Editor, Iksad Publications, Ankara, pp.121-149, 2020

## Refereed Congress / Symposium Publications in Proceedings

- I. **ANTIFUNGAL EFFECT OF ENDEMIC SPECIES *Hypericum spectabile* ETHANOLIC EXTRACT AGAINST COMMON *Candida* STRAINS**  
ÜNVER T., Gürhan İ.  
EU 6TH INTERNATIONAL CONFERENCE ON HEALTH, ENGINEERING AND APPLIED SCIENCES, Belgrade, Serbia, 17 - 20 October 2024, pp.63
- II. **DETERMINATION OF ANTIMICROBIAL PROPERTIES OF *Lactobacillus acidophilus* CELL-FREE SUPERNATANT**  
ÜNVER T., ERENLER A. Ş., ÖZASLAN F. B., CEYLAN A. F.  
8th INTERNATIONAL CONFERENCE ON MEDICAL & HEALTH SCIENCES, Girne, Cyprus (Kktc), 04 July 2024, pp.118
- III. **PHARMACEUTICAL USE OF SINAPIC ACID AS AN EFFICACIOUS ANTIBACTERIAL AGENT AGAINST GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA**  
ÜNVER T.  
EU 5TH INTERNATIONAL CONFERENCE ON HEALTH, ENGINEERING AND APPLIED SCIENCES, ROMA, Italy, 13 - 16 June 2024, pp.112
- IV. **REVEALING THE IN VITRO INHIBITORY EFFECT OF *Saccharomyces cerevisiae* BY4741 CELL-FREE SUPERNATANT ON *Pseudomonas aeruginosa***  
ÖZŞAHİN O., ÜNVER T.  
EUROPEAN 4TH INTERNATIONAL CONFERENCE ON HEALTH, ENGINEERING AND APPLIED SCIENCES, Paris, France, 12 - 14 April 2024, pp.182-190
- V. **INVESTIGATION OF THE CYTOTOXIC AND ANTI-METASTATIC EFFECT OF SULFATE-FREE CHONDROITIN ON METASTATIC BREAST CANCER CELLS AND HELA CERVICAL CANCER CELLS**  
ÜNVER T., ÇELİK UZUNER S., ERENLER A. Ş.  
USBILIM 2ND INTERNATIONAL CONFERENCE ON HEALTH, PHARMACOLOGY AND VETERINARY SCIENCES, Ankara, Turkey, 21 - 22 May 2022
- VI. **PROPERTIES AND CLASSIFICATION OF ANTIBIOTICS AS THE MOST USED PHARMACEUTICALS IN THE LAST CENTURY**  
ÜNVER T., ERENLER A. Ş.  
2.INTERNATIONAL MARMARA SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, İstanbul, Turkey, 19 April 2022, pp.210
- VII. **STRUCTURE AND FUNCTIONS OF GLYCOSAMINOGLYCANS IN BIOLOGICAL SYSTEMS**  
ÜNVER T., ERENLER A. Ş.  
2. INTERNATIONAL HEALTH SCIENCES, BIOMEDICAL AND INNOVATIVE APPROACHES CONGRESS, Ankara, Turkey, 09 March 2022, pp.14-21
- VIII. **DEFENSE MECHANISM METABOLITES IN THE FEMALE REPRODUCTIVE SYSTEM**  
ÜNVER T., ERENLER A. Ş.  
INTERNATIONAL AEGEAN CONFERENCES ON NATURAL & MEDICAL SCIENCES-V, İzmir, Turkey, 25 February 2022, pp.61-68
- IX. **MECHANISMS OF ACTION OF ANTIFUNGAL AGENTS ON PATHOGENIC OR OPPORTUNISTIC YEAST STRAINS**  
ÜNVER T., ERENLER A. Ş.  
4.INTERNATIONAL SCIENCES AND INNOVATION CONGRESS, Ankara, Turkey, 19 February 2022, pp.283-288
- X. **ANIMAL-ORIGINATED CHONDROITIN SULFATE EXTRACTION AS AN ANTI-INFECTIVE AGENT FOR BIOMEDICAL APPLICATIONS**  
ERENLER A. Ş., ÜNVER T.  
III. Uluslararası Akdeniz Bilimsel Araştırmalar Kongresi, Lefkoşa, Cyprus (Kktc), 17 June 2021, pp.1-5
- XI. **GAG ADDED PROTON EXCHANGE MEMBRANE WATER INTRODUCTION AND PROTON CONDUCTIVITY ANALYSIS**  
ÖZASLAN F. B., ERENLER A. Ş., ÜNVER T.  
III. Uluslararası Battalgazi Bilimsel Çalışmalar Kongresi, Turkey, 21 September 2019, vol.1, pp.133-134
- XII. **ANTIFUNGAL ACTIVITY OF MICROBIAL CHONDROITIN SULFATE AGAINST *CANDIDA ALBICANS***

ÜNVER T., ERENLER A. Ş., MELEKOĞLU R., AKPOLAT N., SEÇKİN T., AZİMOV R., ÖZASLAN F. B.

International Multidisciplinary Symposium on Drug Research & Development (DRD 2019), Malatya, Turkey, 1 - 03 July 2019, pp.224-227

XIII. **Mikrobiyal Kondroitin Sülfatın Staphylococcus aureus üzerine Antimikrobiyal Etkisinin Araştırılması**  
ERENLER A. Ş., ÜNVER T., AKPOLAT N., SEVİMLİ R., ÖZASLAN F. B.

GEVHERNESİBE3. ULUSLARARASISAGLIK BİLİMLER KONGRESİ, 3 - 04 May 2019, pp.56-59

XIV. **USABILITY OF HESPERIDIN, FLAVANONE GLYCOSIDE, AS A PHARMACOTHERAPEUTIC ANTIFUNGAL COMPOUND FOR Candida INFECTIONS**

Ünver T.

3rd INTERNATIONAL PARIS CONGRESS ON MEDICAL & HEALTH SCIENCES, Paris, France, 1 - 03 July 2024, pp.10

## Supported Projects

ERENLER A. Ş., ÜNVER T., Project Supported by Higher Education Institutions, Mikrobiyal Kondroitin Sülfatın Antifungal Etkisinin Çeşitli Candida Suşlarında Farklı Antimikrobiyal Test Yöntemleri Kullanılarak Karşılaştırılması, 2020 - 2022

## Metrics

Publication: 36

Citation (WoS): 37

Citation (Scopus): 40

H-Index (WoS): 3

H-Index (Scopus): 3

## Scholarships

Yurtdisi dil kursu ve yüksek lisans bursu, University, 2007 - 2011