

## Assoc. Prof. ŞABAN KESKİN

### Personal Information

Office Phone: [+90 228 214 1641](tel:+902282141641)

Email: [saban.keskin@bilecik.edu.tr](mailto:saban.keskin@bilecik.edu.tr)

Web: <https://avesis.bilecik.edu.tr/saban.keskin>

### International Researcher IDs

ScholarID: o\_VX2QUAAAAJ

ORCID: 0000-0002-0287-4268

Publons / Web Of Science ResearcherID: ABB-1243-2020

ScopusID: 55234703600

Yoksis Researcher ID: 127784

### Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2009 - 2015

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2005 - 2009

Undergraduate, Balıkesir University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 1998 - 2002

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Termofilik *Geobacillus* sp. TF14'xxten endüstriyel öneme sahip  $\alpha$ -amilazın saflaştırılması, immobilizasyonu ve karakterizasyonu, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2015

Postgraduate, *Russula delica* (Russulaceae)'xtdan polifenol oksidaz enziminin karakterizasyonu, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2009

### Research Areas

Agricultural Sciences, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Bilecik Seyh Edebali University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikler, 2022 - Continues

### Academic and Administrative Experience

Bilecik Seyh Edebali University, 2019 - Continues

## Courses

Hormon Biyokimyası, Associate Degree, 2020 - 2021, 2019 - 2020  
Temel Kimya, Associate Degree, 2020 - 2021, 2019 - 2020  
Klinik Biyokimya, Associate Degree, 2020 - 2021, 2019 - 2020  
Su ve Atık Su Arıtım Yöntemleri, Associate Degree, 2020 - 2021  
Biyokimya Laboratuvarı, Undergraduate, 2018 - 2019  
Kromatografi Teknikleri, Undergraduate, 2018 - 2019  
Analitikkimya Laboratuvarı I, Undergraduate, 2018 - 2019  
BİYOKİMYA, Undergraduate, 2016 - 2017  
BİYOKİMYA, Associate Degree, 2016 - 2017, 2015 - 2016  
Laboratuvar Uygulama Esasları, Associate Degree, 2015 - 2016

## Advising Theses

KESKİN Ş., Polifenol Oksidaz Enziminin Saflaştırılması ve Fenolik Bileşiklerin Tayini İçin Polifenol Oksidaz Temelli Biyosensör Hazırlanması, Doctorate, O.Can(Student), Continues

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

- I. **INHIBITION PROPERTIES OF CLINICALLY IMPORTANT ENZYMES IN WOUND HEALING BY BEE VENOM**  
KESKİN M., KESKİN Ş., Karlıdağ S.  
Journal of Animal and Plant Sciences, vol.34, no.4, pp.1073-1080, 2024 (SCI-Expanded)
- II. **BIOCHEMICAL CHARACTERIZATION AND ANTIMICROBIAL PROPERTIES OF ICE CREAM ENRICHED WITH ANTIOXIDANT ENCAPSULATED PROPOLIS**  
GÜNEŞ M. E., KESKİN Ş., Alkan P., KESKİN M., KOLAYLI S.  
Journal of Animal and Plant Sciences, vol.34, no.1, pp.138-144, 2024 (SCI-Expanded)
- III. **Palynological, chemical, antimicrobial, and enzyme inhibition properties of Cannabis sativa L. propolis**  
ÖZKÖK A., Karlıdağ S., KESKİN M., Bayram S., KESKİN Ş., Karabulut E., Çiçek F., YILMAZ İ.  
European Food Research and Technology, vol.249, no.8, pp.2175-2187, 2023 (SCI-Expanded)
- IV. **Effect of Encapsulated Propolis on Microbial Quality and Antioxidant Activity of Yoghurt**  
Günhan R. S., KESKİN Ş., Telli N., Takma Ç., KOLAYLI S.  
Progress in Nutrition, vol.24, no.2, 2022 (SCI-Expanded)
- V. **Comparison of the Antioxidant Activity of Propolis Samples from Different Geographical Regions**  
Kurek-Górecka A., KESKİN Ş., Bobis O., Felitti R., Górecki M., Otręba M., Stojko J., Olczyk P., KOLAYLI S., Rzepecka-Stojko A.  
Plants, vol.11, no.9, 2022 (SCI-Expanded)
- VI. **Comparison between phenolic content, antioxidant, and antibacterial activity of algerian and turkish propolis**  
Segueni N., KESKİN Ş., Kadour B., KOLAYLI S., Salah A.  
Combinatorial Chemistry and High Throughput Screening, vol.24, no.10, pp.1679-1687, 2021 (SCI-Expanded)
- VII. **Bee collected pollen as a value-added product rich in bioactive compounds and unsaturated fatty acids: A comparative study from Turkey and Romania**  
Mărgăoan R., ÖZKÖK A., KESKİN Ş., Mayda N., Urcan A. C., Cornea-Cipcigan M.  
LWT, vol.149, 2021 (SCI-Expanded)
- VIII. **Gundelia Tournefortii L. (Kenger): Determination of in vitro Antidiabetic Activities**  
KESKİN M., KAYA G., KESKİN Ş.  
Progress in Nutrition, vol.23, no.4, 2021 (SCI-Expanded)

- IX. **Pollen Beads: A New Carrier for Propolis Active Compounds**  
KESKİN Ş., Trusheva B., Popova M., KOLAYLI S., Bankova V.  
Combinatorial chemistry & high throughput screening, vol.24, no.10, pp.1688-1695, 2021 (SCI-Expanded)
- X. **Comparison of biochemical and antimicrobial activities of different honey samples**  
KESKİN Ş., Karlidag S., Mayda N., ÖZKÖK A.  
Czech Journal of Food Sciences, vol.39, no.4, pp.273-280, 2021 (SCI-Expanded)
- XI. **Orange peel volatile oil: A green solvent for propolis extraction, enhanced  $\alpha$ -amylase inhibition activity**  
KESKİN Ş.  
Flavour and Fragrance Journal, vol.35, no.4, pp.411-416, 2020 (SCI-Expanded)
- XII. **Lavender Volatile Oil: A New Solvent for Propolis Extraction, Chemical Composition, Antioxidant Activity and Cytotoxicity on T98G Glioblastoma Cell Line**  
KESKİN Ş., Çetin E.  
Journal of Essential Oil-Bearing Plants, vol.23, no.3, pp.514-521, 2020 (SCI-Expanded)
- XIII. **Preparation of alcohol free propolis-alginate microcapsules, characterization and release property**  
Keskin M., KESKİN Ş., KOLAYLI S.  
LWT, vol.108, pp.89-96, 2019 (SCI-Expanded)
- XIV. **An investigation of Humulus lupulus L.: Phenolic composition, antioxidant capacity and inhibition properties of clinically important enzymes**  
KESKİN Ş., Şirin Y., ÇAKIR H., Keskin M.  
South African Journal of Botany, vol.120, pp.170-174, 2019 (SCI-Expanded)
- XV. **Purification, immobilization and characterization of thermostable  $\alpha$ -amylase from a thermophilic bacterium Geobacillus sp. TF14**  
KESKİN Ş., Ertunga N. S.  
Turkish Journal of Biochemistry, vol.42, no.6, pp.633-642, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Türkiyedeki uzaktan eğitim merkezlerinin web sayfalarının incelenmesi**  
Artsın M., Türkmenoğlu B., Keskin Ş.  
Açıköğretim Uygulamaları ve Araştırmaları Dergisi, vol.9, no.1, pp.172-193, 2023 (Peer-Reviewed Journal)
- II. **GREEN SYNTHESIS AND BIOCHEMICAL PROPERTIES OF PROPOLIS BASED SILVER NANOPARTICLES**  
**Yeşil Sentez ile Propolis Temelli Gümüş Nanopartikül Sentezlenmesi ve Biyokimyasal Karakterizasyonu**  
KESKİN M., KAYA G., KESKİN Ş.  
Uludağ Arıcılık Dergisi, vol.22, no.1, pp.59-67, 2022 (Scopus)
- III. **At Yaraları Tedavisinde Balın Kullanımı**  
KARLIDAĞ S., KESKİN M., KESKİN Ş.  
Kadirli Uygulamalı Bilimler Fakültesi Dergisi, 2021 (Peer-Reviewed Journal)
- IV. **DOĞAL VE FERMENTE POLENİN BİYOKİMYASAL KARAKTERİZASYONU**  
KARLIDAĞ S., KESKİN M., KESKİN Ş., ÖZKÖK A., KARABULUT E., AKYOL A., YILMAZ İ.  
İnönü üniversitesi Sağlık Hizmetleri Meslek Yüksek Okulu Dergisi, vol.9, pp.1094-1104, 2021 (Peer-Reviewed Journal)
- V. **BİLECİK BALLARININ MELİSSOPALİNOLOJİK VE KİMYASAL ÖZELLİKLERİ AÇISINDAN DEĞERLENDİRİLMESİ**  
KESKİN Ş., Mayda N., KESKİN M., özkök a.  
GIDA, vol.45, pp.275-289, 2020 (Peer-Reviewed Journal)
- VI. **Chemical characterization of propolis samples collected from different Provinces of Anatolia**  
KESKİN Ş., Yatanaslan L., Karlidag S.  
Uludağ Arıcılık Dergisi, vol.20, no.1, pp.81-88, 2020 (Scopus)

- VII. **Determination of Biochemical Profile of Bilecik Propolis**  
KESKİN M., KESKİN Ş., MAYDA N., ÖZKÖK A.  
Hacettepe Journal of Biology and Chemistry, vol.47, no.4, pp.402-409, 2019 (Peer-Reviewed Journal)
- VIII. **Phenolic Composition and Antioxidant Properties of Spirea nipponica**  
KESKİN Ş., şirin y., çakır h. e., KAYA G., KESKİN M.  
International Journal of Scientific and Technological Research, 2019 (Peer-Reviewed Journal)
- IX. **Phenolic Composition and Antioxidant Properties of Wisteria sinensis**  
KESKİN Ş., şirin y., çakır h. e., KESKİN M.  
International Journal of Scientific and Technological Research, 2019 (Peer-Reviewed Journal)
- X. **Ultrasound assisted extraction of pectin from Trachystemon orientalis L.**  
KESKİN Ş., KESKİN M., KOLAYLI S.  
Journal of Medicinal Herbs and Ethnomedicine, vol.5, no.2019, pp.16-19, 2019 (Peer-Reviewed Journal)
- XI. **Determination of botanic origins, total phenolic and flavonoid contents of bee pollen collected from the bilecik province BILECIK ILINDEN TOPLANAN ARI POLENLERİNİN BOTANİK ORIJINLERİ İLE TOPLAM FENOLİK VE FLAVONOID İÇERİKLERİNİN BELİRLENMESİ**  
Mayda N., KESKİN M., KESKİN Ş., ÖZKÖK A.  
Uludag Arıcılık Dergisi, vol.19, no.2, pp.152-160, 2019 (Scopus)
- XII. **Comparing The Release of Alginate-Propolis Micro Capsules in in vitro Digestion System with the Release of Raw Propolis**  
KESKİN M., KESKİN Ş., KOLAYLI S.  
Uludag Bee Journal, 2018 (Peer-Reviewed Journal)
- XIII. **Covalent Immobilization of  $\alpha$ -Amylase from Thermophilic Geobacillus sp. TF14 on Chitosan Beads**  
KESKİN Ş., SAĞLAM ERTUNGA N., İNAN BEKTAŞ K.  
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, no.6, pp.1342-1348, 2017 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Health Promoting Benefits of Honey**  
KESKİN M., KESKİN Ş., KOLAYLI S.  
in: PREPARATION of PHYTOPHARMACEUTICALS for THE MANAGEMENT of DISORDERS The Development of Nutraceuticals and Traditional Medicine, CHUKWUEBUKA EGBUNA, ABHAY PRAKASH MISHRA, MEGH R. GOYAL, Editor, Elsevier (Academic Press), pp.303-306, 2021
- II. **Kovandaki Mucize: Bal**  
KARLIDAĞ S., KESKİN M., ERDOĞAN S., KESKİN Ş.  
in: FEN BİLİMLERİ VE MATEMATİK ALANINDA ARAŞTIRMA VE DEĞERLENDİRMELER, Prof. Dr. Rıdvan KARAPINAR, Editor, Gece Kitaplığı, Ankara, pp.21-29, 2019

## Refereed Congress / Symposium Publications in Proceedings

- I. **Propolisli Pektin Film Eldesi ve Karakterizasyonu**  
KESKİN M., KESKİN Ş., birinci e., birinci c., KOLAYLI S.  
1. Ulusal Apiterapi Kongresi, Turkey, 16 December 2017 - 17 December 2019
- II. **A Functional Food Enriched by Phenolic Compounds:Yogurt with Propolis**  
KESKİN Ş., GÜNHAN R. S., KESKİN M., TELLİ N., KOLAYLI S.  
5th International Eurasian Congress on Natural Nutrition,Healthy Life Sport, Turkey, 02 October 2019
- III. **DETERMINATION OF QUALITY PARAMETERS OF MALATYA PROPOLIS**  
KESKİN M., KARLIDAĞ S., KESKİN Ş., BAY KARABULUT A.  
International Multidisciplinary Symposium on Drug Research and Development, Malatya, Turkey, 1 - 03 July 2019
- IV. **Encapsulation of Propolis Extract by Pectin Film and Determination of Its Release Properties in**

### **Vitro Digestive System**

KESKİN M., KESKİN Ş., KOLAYLI S.

International Symposium on Bee Products, 7 - 10 May 2019

- V. **Composition of Turkish Propolis**  
KESKİN M., KESKİN Ş., KOLAYLI S.  
6. Uluslararası Muğla Arıcılık ve Çam Balı Kongresi, 15 - 19 October 2018
- VI. **Encapsulation of Propolis Ethanol Extract on Gelatin**  
KESKİN M., KESKİN Ş., KOLAYLI S.  
6. Uluslararası Muğla Arıcılık ve Çam Balı Kongresi, 15 - 19 October 2018
- VII. **Antimicrobial Effect of Commercial Propolis Extracts (BEEO“)**  
KESKİN M., KESKİN Ş., KOLAYLI S.  
Second Propolis Conference, 28 - 29 September 2018
- VIII. **A New Approach For Propolis Extraction**  
KESKİN M., KESKİN Ş., KOLAYLI S.  
Second Propolis Conference, 28 - 29 September 2018
- IX. **Propolis Ekstraktının Polen Taneler Üzerine Kapsülasyonu**  
KESKİN Ş., KESKİN M.  
1. Ulusal Apiterapi Kongresi, Turkey, 16 December 2017
- X. **Phenolic composition and antioxidant properties of Wisteria sinensis**  
KESKİN M., KESKİN Ş., KOLAYLI S.  
Uluslararası Tıbbi, Aromatik ve Boya Bitkileri Sempozyumu (REYHAN 2017), 5 - 07 October 2017
- XI. **Standardization of propolis extracts**  
KESKİN M., KESKİN Ş., KOLAYLI S.  
IHC 2017, Turkey, 25 September 2017
- XII. **Preparation of alginate propolis capsules**  
KESKİN M., KESKİN Ş., KOLAYLI S.  
Uluslararası Bal Komisyonu Kongresi (IHC 2017), 25 - 27 September 2017
- XIII. **Encapsulation of propolis extract by orange peel pectin**  
KESKİN Ş., KESKİN M., YILDIZ O., KOLAYLI S.  
Uluslararası Bal Komisyonu Kongresi, Turkey, 25 - 27 September 2017
- XIV. **Optimization of Amylase Production and Purification of the Enzyme from Rhizopus arrhizus**  
KESKİN Ş., GÜL Ü. D., keskin m., SİLAH H.  
INTERNATIONAL CONFERENCE ON BIOLOGICAL SCIENCES (ICBS), 21 - 23 October 2016

### **Supported Projects**

KESKİN Ş., KESKİN M., BAYRAM S., Project Supported by Higher Education Institutions, Arı Zehri Yüklü Mikro Partiküllerin Eldesi, Asetilkolin Esteraz Enzimi Üzerine İnhibisyon ve Antimikrobiyal Özelliklerinin Belirlenmesi, 2022 - 2023