

## Asst. Prof. ZEYNEP AKŞİT

### Personal Information

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### International Researcher IDs

ScholarID: 3\_0JezwAAAAJ

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Yoksis Researcher ID: 206928

### Education Information

Doctorate, Ondokuz Mayıs University, Faculty Of Engineering, Turkey 2014 - 2018

Postgraduate, Tokat Gaziosmanpaşa University, Faculty Of Engineering And Natural Sciences, Turkey 2010 - 2013

Undergraduate, Gaziantep University, Faculty Of Engineering, Department Of Food Engineering (English), Turkey 2002 - 2007

### Research Areas

Food Engineering, Food Science, Food Chemistry, Food Microbiology, Food Hygiene and Sanitation, Food Additives, Food Technology, Meat, Poultry and Game Technology, Engineering and Technology

### Academic and Administrative Experience

University Executive Board Member, Erzincan Binali Yıldırım University, Turizm ve Otelcilik Meslek Yüksekokulu, Otel, Lokanta ve İkram Hizmetleri Bölümü, 2019 - Continues

### Jury Memberships

Post Graduate, Post Graduate, Gümüşhane Üniversitesi, September, 2022

Post Graduate, Post Graduate, Gümüşhane Üniversitesi, September, 2022

Post Graduate, Post Graduate, Gümüşhane Üniversitesi, July, 2021

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

- Phytochemical analysis and biological evaluation of *Ferulago setifolia* K. Koch**  
Gözcü S., Akşit Z., Şimşek S., Kandemir A., Aydın A., Yılmaz M. A., Akşit H.  
Journal of the Science of Food and Agriculture, vol.104, no.3, pp.1382-1390, 2024 (SCI-Expanded)
- Liquid chromatography–tandem mass spectrometry profile and antioxidant, antimicrobial, antiproliferative, and enzyme activities of *Thymus pectinatus* and *Thymus convolutus*: in vitro and in silico approach**  
Akman T. Ç., Şimşek S., Akşit Z., Akşit H., Aydın A., Tüfekçi A. R., Adem Ş., Yılmaz M. A.

JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, vol.104, no.7, pp.4039-4049, 2024 (SCI-Expanded)

- III. **Chemical composition, antifungal, antibacterial, and insecticidal activity of Echinophora chrysantha essential oil**  
AKŞİT Z., FIRAT M. Ç., AKŞİT H., Bayar Y., ALKAN M., ŞİMŞEK S.  
Journal of Essential Oil-Bearing Plants, vol.27, no.2, pp.374-382, 2024 (SCI-Expanded)
- IV. **Comprehensive phenolic profiling and biological evaluation of Centaurea glastifolia L. (Asteraceae)**  
GÖZCÜ S., AKŞİT Z., AYDIN A., Yılmaz M. A., ŞİMŞEK S.  
Natural Product Research, 2024 (SCI-Expanded)
- V. **LC-ESI-MS/MS Chemical Characterization, Antioxidant and Antidiabetic Properties of Propolis Extracted with Organic Solvents from Eastern Anatolia Region**  
Akman T. Ç., Şimşek S., Kayir Ö., Akşit Z., Akşit H., Genc N.  
Chemistry and Biodiversity, vol.20, no.5, 2023 (SCI-Expanded)
- VI. **Using Grapefruit and Tomato Waste in O/W Type Chicken Meat Emulsion**  
AKŞİT Z., GENÇCELEP H.  
Brazilian Archives of Biology and Technology, vol.66, 2023 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Exploring the Potential of Psephellus huber-Marathi (Wagenitz) Wagenitz: A Comprehensive UHPLC-MS/MS Analysis of Phytochemical Composition and Evaluation of Antioxidant, Antimicrobial, and Antiproliferative Activities**  
AKMAN T. C., ŞİMŞEK S., AKŞİT Z., AYDIN A., YILMAZ M. A.  
Kahramanmaraş Sütçü İmam Üniversitesi Tarım ve Doğa Dergisi, vol.27, no.4, pp.782-792, 2024 (ESCI)
- II. **Antioxidant Activity and Theoretical Profile of Novel 2,4,6-Triarylpyridine Derivatives Based on Syringaldehyde**  
ALBAYRAK E. N., ŞİMŞEK S., MUSATAT A. B., MUSATAT A. B., AKŞİT Z., AKŞİT H., ATAHAN A.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.12, no.2, pp.981-999, 2024 (Peer-Reviewed Journal)
- III. **LC-MS /MS characterization and biological activities of Morina persica L. (Caprifoliaceae)**  
GÖZCÜ S., AKŞİT Z., ŞİMŞEK S., KANDEMİR A., AYDIN A., Yılmaz M. A., AKŞİT H.  
Journal of Research in Pharmacy, vol.28, no.4, pp.961-973, 2024 (ESCI)
- IV. **Chemical Composition and Antibacterial Activity of Three Volatile Oils Extracted from Nigella sativa L. Seeds**  
Gözcü S., Akşit Z.  
Ordu University, vol.6, no.4, pp.662-666, 2023 (Peer-Reviewed Journal)
- V. **CHEMICAL COMPOSITION AND ANTIFUNGAL ACTIVITY OF Origanum acutidens ESSENTIAL OIL AGAINST Sclerotinia sclerotiorum (Lib.) DE BARY AND Phytophthora infestans (Mont.) DE BARY**  
Bayar Y., Akşit Z., ŞİMŞEK S., KANDEMİR A.  
Black Sea Journal of Agriculture, vol.6, no.5, pp.439-443, 2023 (Peer-Reviewed Journal)
- VI. **Purification of  $\alpha$ -pinene, sabinene, and 2,4,5-trimethyl benzaldehyde using NP-Prep-HPLC from Ferulago setifolia essential oil and their antibacterial activity**  
AKŞİT Z., AKŞİT H., KANDEMİR A.  
Journal of Essential Oil & Plant Composition, vol.1, no.2, pp.54-59, 2023 (Peer-Reviewed Journal)
- VII. **Emulsion Properties of Quince Waste**  
AKŞİT Z., GENÇCELEP H.  
Avrupa Bilim ve Teknoloji Dergisi, vol.2022, no.42, pp.83-87, 2022 (Peer-Reviewed Journal)
- VIII. **LC-MS/MS profiling phytochemical content of Echinophora chrysantha (Apiaceae) and antiproliferative, antioxidant activity**  
AKŞİT Z., AKŞİT H., ŞİMŞEK S., KANDEMİR A., KÖKSAL E.  
Pharmacy & Pharmacology International Journal, vol.10, no.5, pp.190-194, 2022 (Peer-Reviewed Journal)
- IX. **Effects of spray and freeze-drying methods on aroma compounds, sensory characteristics,**

**physicochemical composition, antioxidant and antimicrobial properties of instant sage (Salvia rosifolia Sm.) tea**

BALTACI C., AKŞİT Z., ŞİDIM M.

Turkish Journal of Analytical Chemistry, vol.4, no.1, pp.19-30, 2022 (Peer-Reviewed Journal)

- X. **Investigation of Tomato, Quince and Grapefruit Waste; Compositions and Functional Properties**  
AKŞİT Z., GENÇCELEP H.  
Hittite Journal of Science and Engineering, vol.8, no.1, pp.19-26, 2021 (Peer-Reviewed Journal)
- XI. **CHEMICAL, MICROBIOLOGICAL AND SENSORIAL PROPERTIES OF ANCHOVY SAUSAGE**  
BALTACI C., AKŞİT Z., İLYASOĞLU H., KARATAŞ Ş. M., GÜNDOĞDU A.  
Journal of Agriculture, vol.3, no.2, pp.23-32, 2020 (Peer-Reviewed Journal)
- XII. **Monitoring of the Validated Method for Aflatoxin Analysis with Internal and External Quality Control Analysis**  
BALTACI C., AKŞİT Z.  
Gıda ve Yem Bilimi -Teknoloji Dergisi, vol.20, no.2, pp.1-11, 2018 (Peer-Reviewed Journal)
- XIII. **Validation of HPLC Method for the Determination of 5-hydroxymethylfurfural in Pestil, Köme, Jam, Marmalade and Pekmez**  
BALTACI C., AKŞİT Z.  
Hittite Journal of Science and engineering, vol.3, no.2, pp.91-97, 2016 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Gıda ürünleri imalatı sektöründe iş sağlığı ve güvenliği**  
ASLAN H., AKŞİT Z.  
in: İş sağlığı ve güvenliği sektörel yönetimi, Aslan, İmran, Editor, Nobel akademik yayıncılık, Ankara, pp.437-493, 2021
- II. **An Alternative Edible Oil Source Sesame Oil**  
TANRIVERDİ E., AKŞİT Z., KARAGÖZ Ş.  
in: Current Researches in Engineering and Architecture Sciences, Karapınar, Rıdvan Yılmaz, Tuncay, Editor, IVPE, Cetinje, pp.42-57, 2020

## Refereed Congress / Symposium Publications in Proceedings

- I. **Antibacterial Activity Of Thymus Migricus Essential Oils**  
Fırat M. Ç., Akşit Z.  
2. BİLSEL INTERNATIONAL TRUVA SCIENTIFIC RESEARCHES AND INNOVATION CONGRESS 16-17 DECEMBER ÇANAKKALE / TURKEY, Çanakkale, Turkey, 17 December 2023
- II. **Emulsion Properties Of Quince Waste**  
AKŞİT Z., GENÇCELEP H.  
2nd International Conference on Engineering and Applied Natural Sciences on 15-18 October in 2022 at Konya/Turkey., Konya, Turkey, 15 - 18 October 2022, pp.336
- III. **Isolation and Characterization of Chlorogenic Acid from Inula Heterolepis and Quantification in Some Plants Growing in Erzincan, Turkey**  
Akşit H., Şimşek S., Akşit Z., Köksal E.  
International Eurasian Conference on BioTechnology and BioChemistry (BioTechBioChem 2020), Ankara, Turkey, 16 - 18 December 2020, pp.791-795
- IV. **Meat tenderization methods**  
AKŞİT Z., ERDEMİR E.  
2nd International Eurasian Conference on Science, Engineering and Technology, 7 - 09 October 2020
- V. **In vitro antidiabetic activity of methanolic extracts of some plants growing in Erzincan**

AKŞİT H., ADEM Ş., AKŞİT Z., ŞİMŞEK S.

2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), 7 - 09 October 2020

- VI. **In vitro antidiabetic activity of methanolic extracts of some plant growing in Erzincan**  
Akşit H., Akşit Z., Şimşek S.  
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Gaziantep, Turkey, 7 - 09 January 2020, pp.1203-1206
- VII. **Dietary Fiber Composition of Tomato, Quince and Grapefruit Waste**  
AKŞİT Z., GENÇCELEP H.  
International Conference on Agronomy and Food Science and Technology, 19 - 21 June 2019, pp.299
- VIII. **Texture Profile Analysis of Quince Waste Emulsion**  
AKŞİT Z., GENÇCELEP H.  
International Conference on Agronomy and Food Science and Technology (Agrofoof), İstanbul, Turkey, 19 - 21 June 2019, pp.294-298
- IX. **Some Characteristics of Instant Tea Produced from Mint (Mentha Piperita L.)**  
AKŞİT Z., KAYA C., TOPUZ S., BAYRAM M., AKŞİT H.  
International Conference on Raw Materials to Processed Foods, Antalya, Turkey, 11 - 13 April 2018, pp.224
- X. **Determination of Characteristics of Instant Tea Produced From Thyme (Thymus vulgaris)**  
KAYA C., AKŞİT Z., TOPUZ S., BAYRAM M., AKŞİT H.  
1st International Symposium on Multidisciplinary Studies and Innovative Technologies, Tokat, Turkey, 2 - 04 November 2017, pp.11
- XI. **Method Validation of LC-MS/ MS Method in Multiple Mycotoxin Analysis**  
BALTACI C., AKŞİT Z.  
3. Tarım ve Gıda Kongresi, Sivas, Turkey, 26 - 28 October 2017
- XII. **PRODUCTION OF INSTANT TEA FROM SAGE TEA (SALVIA) PLANTS, DETERMINATION OF ITS PHYSICO-CHEMICAL PROPERTIES, AND PACKAGING**  
BALTACI C., ŞİDİM M., AKŞİT Z.  
I. INTERNATIONAL CONGRESS on MEDICINAL and AROMATIC PLANTS: "NATURAL and HEALTHY LIFE", 10 - 12 May 2017
- XIII. **Drying meat and meat products**  
AKŞİT Z., ERDEMİR E.  
International Conference on Agriculture, Forest, Food Sciences and Technologies, 15 - 17 May 2017
- XIV. **Antioxidant activity of Achillea cappadocica**  
GENÇ N., AKŞİT H., ELMASTAŞ M., AKŞİT Z.  
Uluslararası Tıbbi ve Aromatik Bitkiler Kongresi, Konya, Turkey, 9 - 12 May 2017
- XV. **SESAME OİL COMPOSITION, CHARACTERISTICS AND EFFECT ON HEALTH**  
TANRIVERDİ E., AKŞİT Z., KARAGÖZ Ş.  
1. Uluslararası Tıbbi ve Aromatik Bitkiler Kongresi, Konya, Turkey, 10 - 12 May 2017, pp.611
- XVI. **Taze ve Kurutulmuş Kuşburnudan Üretilen Marmelatlarının Karşılaştırılması**  
AKŞİT Z., TANRIVERDİ E.  
kurutulmuş ve yarı kurutulmuş gıdalar sempozyumu, Denizli, Turkey, 13 - 15 May 2015
- XVII. **PEF induced permeabilization of fresh plant leaves mint parsley thyme basil and dill for solid liquid extraction of phenolics**  
FİNCAN M., AKŞİT Z., OBA Ş., HAYTA M.  
5th International Conference on the Food Factory for the Future, Gothenburg, Sweden, 30 - 31 July 2010
- XVIII. **A comparative study on pulsed electric field induced permeabilization of different plant tissues**  
AKŞİT Z., ETGÜ H., AKŞİT H., DEMİRTAŞ İ., HAYTA M., FİNCAN M.  
Proceedings of the International Conference on Bio and Food Electrotechnologies, Bio Food Electrotechnologies, France, 22 - 23 October 2009
- XIX. **Et ürünlerine uygulanan ısısal olmayan muhafaza teknikleri**  
ERDEMİR E., AKŞİT Z.

## Supported Projects

YILMAZ N., AKŞİT Z., KAÇAR M., Project Supported by Higher Education Institutions, Gıdalarda Bozulmaya Neden Olan Pseudomonas aeruginosa'yı İnhibe Eden Bakteriyofajların Kırmızı Et ve UHT Sütte Koruyucu Olarak Kullanılması, 2022 - Continues

AKŞİT Z., Kiraz S., Project Supported by Higher Education Institutions, Rumex crispus ve Rumex ponticus bitkilerinin antioksidan ve antimikrobiyal özelliklerinin belirlenmesi ve köftelerin raf ömrü üzerine etkisinin araştırılması, 2023 - 2024

AKŞİT Z., ŞİMŞEK S., YILMAZ N., AKŞİT H., Project Supported by Higher Education Institutions, Erzincan'da yetişen bazı endemik bitki türlerinin antibakteriyel ve antifungal potansiyellerinin değerlendirilmesi, 2020 - 2023

## Scientific Refereeing

Project Supported by Higher Education Institutions, BAP Research Project, Amasya Üniversitesi, Turkey, May 2022  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, January 2021  
JOURNAL OF AGRICULTURE, National Scientific Refreed Journal, December 2020

## Tasks In Event Organizations

Akşit Z., (IOCEMS) International Online Conference On Engineering and Natural Sciences , Scientific Congress, Gümüşhane, Turkey, Temmuz 2021

## Metrics

Publication: 43

Citation (Scopus): 26

H-Index (WoS): 1

H-Index (Scopus): 3

## Non Academic Experience

Zübeyde Hanım Mesleki ve Teknik Anadolu Lisesi  
Güneş Gıda ve Yağ San. A.Ş. Yeşilova/Kocaeli