

## Asst. Prof. Hacer MERAL AKTAŞ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ACQ-5833-2022

ScopusID: 57219448925

Yoksis Researcher ID: 285021

### Education Information

Doctorate, Ataturk University, Graduate School of Natural and Applied Sciences, Food Engineering, Turkey 2017 - 2023

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Gıda Mühendisliği, Turkey 2014 - 2017

Undergraduate, Uludağ Üniversitesi, Ziraat Fakültesi, Gıda Mühendisliği, Turkey 2010 - 2014

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Vocational Training, Mikrobiyoloji Laboratuvarları için Metot Geçerli Kılma/Doğrulama ve Ölçüm Belirsizliği Eğitimi, Ran Quality, 2021

Vocational Training, Deney Hayvanları Kullanım Sertifikası, Atatürk Üniversitesi Sürekli Eğitim Merkezi, 2018

Vocational Training, Hücre Kültürü Eğitimi, Atatürk Üniversitesi Sürekli Eğitim Merkezi, 2018

Vocational Course, III. Uygulamalı Moleküler Biyoloji Teknikleri Lisansüstü Yaz Okulu, Atatürk Üniversitesi, 2016

Vocational Training, ISO 22000 Gıda Güvenliği Yönetim Sistemi Eğitimi, Gıda Mühendisleri Odası, 2012

### Dissertations

Doctorate, Beyaz Peynirde *Listeria monocytogenes*'in Kontrol Altına Alınması Amacıyla Uygun Laktik Asit Bakterilerinin İzolasyonu ve Bazı Bakteriyosinleri Üretim Yeteneklerinin İncelenmesi, Ataturk University, Ziraat Fakültesi, Gıda Mühendisliği, 2023

Postgraduate, Farklı koşullarda bayatlamış ekmeklerden elde edilen unların ekmek kalitesi üzerine etkisi, Ataturk University, Fen Bilimleri Enstitüsü, Gıda Mühendisliği Anabilim Dalı, 2017

### Research Areas

Food Microbiology, Food Toxicology, Food Biotechnology

## Academic Titles / Tasks

Assistant Professor, Ataturk University, Ziraat Fakültesi, Gıda Mühendisliği, 2024 - Continues

Research Assistant PhD, Ataturk University, Ziraat Fakültesi, Gıda Mühendisliği, 2023 - 2024

Research Assistant, Ataturk University, Fen Bilimleri Enstitüsü, Gıda Mühendisliği Anabilim Dalı, 2016 - 2023

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

- I. **Isolation, identification, and in vitro probiotic characterization of forty novel Bifidobacterium strains from neonatal feces in Erzurum province, Türkiye**  
Güler M. A., Çetin B., Albayrak B., Meral Aktaş H., Tekgündüz K. Ş., Kara M., İşlek A.  
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, vol.104, no.7, pp.4165-4175, 2024 (SCI-Expanded)
- II. **Evaluation of Spreadable Kefir Produced from Different Milks in Terms of Some Quality Criteria**  
Aktaş H., Meral Aktaş H., Ürkek B., Şengül M., Çetin B.  
PROBIOTICS AND ANTIMICROBIAL PROTEINS, 2023 (SCI-Expanded)
- III. **Bacteriocin characterization of autochthonous Lactococcus lactis L54 and its application as starter culture for Beyaz cheese**  
Meral H., Erdoğan A., Çetin B.  
FOOD BIOSCIENCE, vol.102739, no.53, pp.1-11, 2023 (SCI-Expanded)
- IV. **Characterization of technological properties of lactic acid bacteria isolated from Turkish Beyaz (white) cheese**  
Meral H., Erdoğan A.  
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.46, no.10, pp.1-13, 2022 (SCI-Expanded)
- V. **The effect of the stale bread flour addition on flour and bread quality**  
Meral H., Karaoğlu M. M.  
INTERNATIONAL JOURNAL OF FOOD ENGINEERING, vol.16, 2020 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Antimicrobial and Antioxidant Properties of Coriander (Coriandrum sativum L.), Dill (Anethum graveolens L.) and Purslane (Portulaca oleracea L.) Extracts Prepared with Different Types of Solvent**  
Taş S., Erdoğan A., Gürses M., Meral Aktaş H.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.16, no.3, pp.1-13, 2023 (Peer-Reviewed Journal)
- II. **Comparison of some characteristics of homemade, local and national brands yoghurts**  
Aktaş H., Ürkek B., Meral H., Çetin B., Şengül M.  
OVIDIUS UNIVERSITY ANNALS OF CHEMISTRY, vol.34, no.1, pp.8-13, 2023 (Peer-Reviewed Journal)
- III. **Determination of Mold Diversity of Some Fruits Sold in Eastern Turkey**  
Ghimire D., Erdoğan A., Baran A., Gürses M., Meral-Aktaş H.  
Journal of the Institute of Science and Technology, vol.12, no.4, pp.2199-2208, 2022 (Peer-Reviewed Journal)
- IV. **Ekmeğin Besinsel Özelliklerinin İyileştirilmesi**  
Meral H., Karaoğlu M. M.  
Atatürk Üniversitesi Ziraat Fakültesi Dergisi, vol.50, pp.217-225, 2019 (Peer-Reviewed Journal)
- V. **Laktik Asit Bakterilerinin Antibiyotik Direnç Mekanizmaları**  
Meral H., Korukluoğlu M.  
ULUDAĞ ÜNİVERSİTESİ ZİRAAT FAKÜLTESİ DERGİSİ, vol.28, no.2, pp.71-82, 2014 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Determination of some in vitro probiotic properties of bacteriocinogenic *Enterococcus faecium* H108 and H206 strains**  
Meral Aktaş H., Çetin B.  
Food System Microbiomes 2024, Turin, Italy, 14 - 17 May 2024, pp.124
- II. **Some In Vitro Probiotic Properties of *Geotrichum candidum* M1 Strain of Human Origin**  
Çetin B., Güler M. A., Meral Aktaş H.  
Türkiye 1. Gıda Mikrobiyolojisi Kongresi , Erzurum, Turkey, 13 - 16 September 2023, pp.1-2
- III. **Antibiotic Resistance Profiles of Lactic Acid Bacteria Isolated from Beyaz Cheese**  
Meral Aktaş H., Erdoğan A.  
Türkiye 1. Gıda Mikrobiyolojisi Kongresi , Erzurum, Turkey, 13 - 16 September 2023, pp.2-3
- IV. **A New Food Pathogen *Arcobacter* spp.**  
Aktaş H., Meral Aktaş H., Çetin B., Ürkek B.  
Türkiye 1. Gıda Mikrobiyolojisi Kongresi , Erzurum, Turkey, 13 - 16 September 2023, pp.3-4
- V. **Psikobiyotikler**  
Meral H., Aktaş H., Çetin B.  
12. GIDA MÜHENDİSLİĞİ ÖĞRENCİ KONGRESİ, Bursa, Turkey, 21 - 22 March 2022, pp.34
- VI. **An Alternative to Additives in Fermented Dairy Products: Microbial Originated Exopolysaccharide (EPS)**  
Aktaş H., Çetin B., Gürses M., Meral H.  
1st International 4th Traditional Health Professional Days Symposium, Erzurum, Turkey, 14 - 16 November 2019, pp.182
- VII. **Functional Foods Enriched with Gamma Aminobutyric Acid (GABA)**  
Meral H., Erdoğan A., Aktaş H., Çetin B.  
1st International 4th Traditional Health Professional Days Symposium, Erzurum, Turkey, 14 - 16 November 2019, pp.183-190
- VIII. **Detection of Microbial Diversity in Industrial Yoghurt Samples by HRM Analysis**  
Aktaş H., Meral H., Bazu Çırpıcı B., Çetin B.  
3rd International Conference on Advanced Engineering Technologies, 19 - 21 September 2019, vol.1461
- IX. **Detection of Microbial Diversity in Kefir Grains by HRM Analysis**  
Bazu Çırpıcı B., Meral H., Aktaş H., Çetin B.  
3rd International Conference on Advanced Engineering Technologies, 19 - 21 September 2019, pp.1456-1460
- X. **Effects of Probiotic Administration on *Helicobacter pylori* Eradication**  
Meral H., Erdoğan A., Gürses M., Aktaş H.  
International Conference on Agronomy and Food Science and Technology (AgroFood), İstanbul, Turkey, 20 - 21 June 2019, pp.288
- XI. **Monitoring of microbial changes during incubation in the yoghurts prepared with different culture concentrations by DNA melting curves**  
Çetin B., Aktaş H., Meral H.  
International Conference on Agronomy and Food Science and Technology (AgroFood), İstanbul, Turkey, 20 - 21 June 2019, pp.546-555
- XII. **Effect of Stale Bread Flours on Textural Properties of Bread**  
Meral H., Bedir Y., Karaoğlu M. M.  
The International Symposium on Food Rheology and Texture, İstanbul, Turkey, 19 October 2018 - 21 October 2018, pp.37-43
- XIII. **Nutritional Value Of Mushrooms And Its Effect On Enrichment Of Bread**  
Yavilioğlu Y., Meral H., Karaoğlu M. M.  
The International Conference on Agriculture, Forest, Food Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, pp.1259
- XIV. **Strategies For Increasing Resistant Starch In Starchy Products**  
MERAL H., YAVİLİOĞLU Y., KARAOĞLU M. M.  
The International Conference on Agriculture, Forest, Food Sciences and Technologies, Nevşehir, Turkey, 15 - 17

May 2017, pp.892

- XV. **Ekmeğin, Besin Değeri ve Fonksiyonel Özelliklerinin Artırılması**  
Karaoğlu M. M., Meral H.  
Türkiye 12. Gıda Kongresi, Edirne, Turkey, 5 - 07 October 2016, pp.262
- XVI. **Probiyotik Mikroorganizmaların Antibiyotik Dirençleri**  
MERAL H., Altuntaş s.  
Türkiye 12. Gıda Kongresi, Edirne, Turkey, 5 - 07 September 2016, pp.262
- XVII. **Süt Endüstrisinde Moleküler Metotlar İle Mikrobiyel Tanı**  
Altuntaş s., MERAL H.  
9. Gıda Mühendisliği Kongresi, İzmir, Turkey, 12 - 14 November 2015, pp.26
- XVIII. **Bitki Esansiyel Yağlarının Küf Gelişimi Üzerine Etkileri**  
Korukluoğlu M., MERAL H.  
9. Gıda Mühendisliği Kongresi, İzmir, Turkey, 12 - 14 November 2015, pp.27
- XIX. **Sofralık Zeytin ve Patojen Bakteriler**  
MERAL H., Gülgör G.  
4. Ulusal Zeytin Öğrenci Kongresi, Konya, Turkey, 28 - 30 May 2014, pp.49
- XX. **Oleuropeinazın Zeytin Fermentasyonundaki Rolü**  
Gülgör G., MERAL H.  
4. Ulusal Zeytin Öğrenci Kongresi, Konya, Turkey, 28 - 30 May 2014, pp.47

## Activities in Scientific Journals

Publication Committee Member, 2022 - Continues

## Memberships / Tasks in Scientific Organizations

Society of Chemical Industry, Member, 2022 - Continues, England

Chamber of Food Engineers, Member, 2021 - Continues, Turkey

## Scientific Refereeing

ITALIAN JOURNAL OF FOOD SCIENCE, SCI Journal, August 2024

ITALIAN JOURNAL OF FOOD SCIENCE, SCI Journal, July 2024

JOURNAL OF PURE AND APPLIED MICROBIOLOGY, Journal Indexed in ESCI, February 2024

Food and Health, National Scientific Refreed Journal, October 2023

JOURNAL OF FOOD QUALITY, SCI Journal, June 2023

JOURNAL OF FOOD PROCESSING AND PRESERVATION, SCI Journal, August 2022

JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, Journal Indexed in SCI-E, July 2022

FOOD HYDROCOLLOIDS, SCI Journal, April 2022

Food and Health, National Scientific Refreed Journal, February 2022

## Tasks In Event Organizations

Çetin B., Arıcı M., Sağdıç O., Şengül M., Çakır İ., Ayaz S., Bülbül R., Dertli E., Yüksel M., Başdoğan H., et al., Türkiye 1st Food Microbiology Congress, Scientific Congress, Erzurum, Turkey, Eylül 2023

Hancı H., Erkaya Kotan T., Sezen Karaoğlu E., Sevindik H. G., Kadioğlu Y., Çetin B., Meral H., Çelebi D., Gürbüz Z., Aktaş H., et al., Microbiota and Health, Workshop Organization, Erzurum, Turkey, Aralık 2022

## **Mobility Activity**

Erasmus Programme, Student Mobility, Universita Degli Studi Di Torino, Italy, 2023 - 2023

Erasmus Programme, Internship, Maynooth University, Ireland, 2017 - 2018

## **Metrics**

Publication: 30

Citation (WoS): 22

Citation (Scopus): 21

H-Index (WoS): 3

H-Index (Scopus): 3