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International Researcher IDs

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Education Information

Doctorate, Bursa Technical University, Institute Of Science, Department Of Biotechnology (Interdisciplinary), Turkey
2020 - Continues

Postgraduate, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Gıda Mühendisliği, Turkey 2017 - 2019

Undergraduate, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Gıda Mühendisliği, Turkey 2015 - 2017

Dissertations

Postgraduate, Kitosan Nanokompozit Filmlerin Antimikrobiyal Etkinliğinin Arttırılması, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Gıda Mühendisliği, 2019

Research Areas

Food Microbiology, Food Biotechnology

Academic Titles / Tasks

Research Assistant, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Gıda Mühendisliği, 2020 - Continues
Researcher, Höğskolan i Boras (University College of Boras), 2023 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- The use of cheese whey powder in the cultivation of protein-rich filamentous fungal biomass for sustainable food production**
Kaya B., Wijayarathna ., Karagül Yüceer Y., Agnihotri S., Taherzadeh M. J., Sar T.
Frontiers in Sustainable Food Systems, vol.8, pp.1-11, 2024 (SCI-Expanded)
- Machine Learning-Assisted Near- and Mid-Infrared spectroscopy for rapid discrimination of wild and farmed Mediterranean mussels (*Mytilus galloprovincialis*)**
Ayvaz H., Temizkan R., Kaya B., Salman M., Menevseoglu A., Ayvaz Z., Gunes N., Ali Dogan M., Mortaş M.
MICROCHEMICAL JOURNAL, vol.196, 2024 (SCI-Expanded)
- Development of novel biodegradable film based on chitosan with borax (sodium tetraborate) and boron nitride and their biological activity**

Kaya B., Demirel Zorba N. N., Caner C.

International Journal of Food Science and Technology, vol.58, no.2, pp.890-897, 2023 (SCI-Expanded)

IV. **Carbapenem resistance and biofilm formation status of Enterobacterales isolated from raw milk via molecular versus phenotypic methods**

ÖZDİKMENLİ TEPELİ S., Numanoglu Cevik Y., Tosun M. N., Taylan Yalcin G., KAYA B., İPEK D., Bakkaloglu Z., Simsek H., DEMİREL ZORBA N. N.

Antonie van Leeuwenhoek, International Journal of General and Molecular Microbiology, vol.116, no.1, pp.67-80, 2023 (SCI-Expanded)

Articles Published in Other Journals

I. **Evaluating filamentous fungi evaluated as alternative nutrient sources**

Kaya B., Yüceer Y.

GIDA, vol.49, no.4, pp.751-765, 2024 (Peer-Reviewed Journal)

II. **Evaluation of Seafood Consumption in Yenice and Bayramiç Districts of Çanakkale**

Selvi K., Kaya B., Özdikmenli Tepeli S., Kandemir G.

ACTA AQUATICA TURCICA, vol.18, no.1, pp.93-108, 2022 (Peer-Reviewed Journal)

III. **Therapeutic Effect of Honey on blaCTX-M Positive and Biofilm-Producing Entrobacterales Isolated from Bovine Mastitis**

ÖZDİKMENLİ TEPELİ S., KAYA B., İPEK D.

KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, 2022 (ESCI)

IV. **DETERMINATION OF PHYSICOCHEMICAL, ANTIOXIDANT, ANTIMICROBIAL AND ANTIQUORUM SENSING PROPERTIES OF CHITOSAN FILMS INCORPORATED WITH ETHYL PYRUVATE FILMS**

Kaya B., Demirel Zorba N. N., Caner C.

The journal of Food, vol.46, no.6, pp.1425-1439, 2021 (Peer-Reviewed Journal)

V. **Effects of Alternaria Genus Members on Fruits and Vegetables**

Kaya B., Demirel Zorba N. N.

The journal of Fungus, vol.12, no.2, pp.223-239, 2021 (Peer-Reviewed Journal)

VI. **Evaluation of seasonal changes in terms of irrigation water quality of Terzialan Pond (Çan, Çanakkale)**

Selvi K., Kaya B., Özdikmenli Tepeli S., Kandemir G.

Ege Journal of Fisheries and Aquatic Sciences, vol.38, no.3, pp.317-328, 2021 (ESCI)

VII. **The effect of different commercial washing solutions on sweet cherry microbial quality**

Kaya B., Cınar A., Sobacı F.

İstanbul Sabahattin Zaim Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.3, no.3, pp.184-188, 2021 (Peer-Reviewed Journal)

VIII. **Comparison of Efficacy of DRBC and DG18 Media Used for Determination of Mold and Yeast Loads in Various Foods with Different Water Activity**

Kaya B., Demirel Zorba N. N.

Ordu Üniversitesi Bilim ve Teknoloji Dergisi, vol.8, no.2, pp.206-214, 2018 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

I. **FUNGAL BİYOKÜTLELERİN ÇEVRESEL VE EKONOMİK ETKİLERİ**

Şahiner Ö., Kaya B., Yüceer Y.

TRAKYA ÜNİVERSİTELER BİRLİĞİ 8. LİSANSÜSTÜ ÖĞRENCİ KONGRESİ, Tekirdağ, Turkey, 5 - 06 December 2024, pp.1

II. **Exploring Fungal Biomass Produced From Whey Powder with Aspergillus oryzae and Neurospora Intermedia in Sustainable Food Systems: Flavor Compounds and Aroma Characteristics**

Kaya B., Güneşer O., J Taherzadeh M. J. T., Yüceer Y., Sar T.

5th International Congress "Food Quality, Technology and Safety—FoodTech 2024, Novi-Sad, Serbia, 16 - 18 October 2024, pp.11

- III. **Optimization of substrate pretreatment, enzymatic hydrolysis and fermentation conditions for biomass production with *Rhizopus oryzae* NRRL 395 from stale bread**
Kaya B., Şahiner Ö., Örüntaş G., Güneşer O., Yüceer Y.
4th International Eurasian Mycology Congress 2024 (EMC'24), Çanakkale, Turkey, 3 - 05 September 2024, pp.1
- IV. **Farklı hidroliz işlemi uygulanan nar çekirdeğinin *Saccharomyces boulardii* ile derin kültür fermentasyonu**
Kayıkçı S., Kaya B., Karagül Yüceer Y.
Trakya Üniversiteler Birliği 7. Lisansüstü Öğrenci Kongresi, Edirne, Turkey, 7 - 08 December 2023, pp.120
- V. ***Lactobacillus casei* ile Teff bazlı probiyotik fermente peynir altı suyu içeceği geliştirilmesi**
ÖZGENÇ H., KAYA B., YÜCEER Y.
1. Gıda Bilimi ve Teknolojisinde Yenilikçi Yaklaşımlar Kongresi 2023, 28 - 29 September 2023
- VI. **FARKLI TİCARİ KÜLTÜRLERDEN ÜRETİLEN YOĞURT SERUMLARININ BAZI ÖZELLİKLERİNİN BELİRLENMESİ**
Elmas E. T., Kaya B., Yüceer Y.
ANDIRMA ONYEDİ EYLÜL ÜNİVERSİTESİ TRAKYA ÜNİVERSİTELER BİRLİĞİ V. LİSANSÜSTÜ ÖĞRENCİ KONGRESİ 2021, 4 - 05 November 2021, pp.37
- VII. **ANTİMİKROBİYAL AJAN OLARAK *Metschnikowia pulcherrima***
Kaya B., Çelebi Uzkuç N. M., Kırca Toklucu A., Yüceer Y.
BANDIRMA ONYEDİ EYLÜL ÜNİVERSİTESİ TRAKYA ÜNİVERSİTELER BİRLİĞİ V. LİSANSÜSTÜ ÖĞRENCİ KONGRESİ 2021, 04 November 2021 - 05 May 2022, pp.38
- VIII. **The Determinants of Carbon Footprint in Dairy Industry**
Kaya B., Yüceer Y.
International Global Climate Change Congress, Çanakkale, Turkey, 3 - 05 June 2021, pp.230
- IX. **Determination of Foodborne Pathogens and Some Hospital Isolates Biofilm Formation Ability**
Altuntaş S., Kaya B., Cınar A.
International Congress on Biological and Health Sciences, Afyonkarahisar, Turkey, 26 February 2021 - 28 May 2022, pp.117-128
- X. **Determination of Antibacterial and Antifungal Activity of Chitosan Based Ethyl Pyruvate Films**
Kaya B., Zorba N. N., Caner C.
Türkiye 13. Gıda Kongresi, Çanakkale, Turkey, 21 October 2020
- XI. **Bitki Kaynaklı Gıdalarda Bulunan Polifenollerin Sitotoksik Etkisi**
CİNAR A., KAYA B.
Türkiye 13. Gıda Kongresi, 21 October 2020
- XII. **Extended-Spectrum Beta-Lactamase-Producing Enterobacterales Strains in Raw Milk and Their Biofilm Properties**
Özdikmenli Tepeli S., Tosun M., Taylan G., Kaya B., Ipek D., Zorba N. N.
1. Ulusal Tek Sağlık Sempozyumu, Ankara, Turkey, 21 November 2019 - 21 November 2020
- XIII. **Determination of Antibacterial and Antifungal Properties of Chitosan Based Nanocomposite Films Prepared with Borax and Boron Nitride**
KAYA B., ZORBA N. N.
1st International Erciyes Agriculture, Animal and Food Sciences Conference, 24 April 2019
- XIV. **Phenotypic Identification of Potential Mycotoxin Producing *Alternaria* Species Isolated from Bozcaada Karalahna and Çavus Grapes**
KAYA B., ÖZCAN ATEŞ G., ZORBA N. N.
1st International Erciyes Agriculture, Animal and Food Sciences Conference, 24 April 2019

Supported Projects

Uzkuç H., Çelebi Uzkuç N. M., Kaya B., Yüceer Y., Project Supported by Higher Education Institutions, Üzüm suyu bazlı probiyotik içecek üretimi: Fizikokimyasal duyuşsal biyoaktif özellikler ve uçucu bileşenlerin belirlenmesi, 2024 - 2026
Yüceer Y., KAYA B., TÜBİTAK - AB COST Project, Mikoprotein Üretim Optimizasyonu, Karakterizasyon Ve Ürün Uygulaması, 2023 - 2026

Kaya B., Şahan Y., Yüceer Y., Akpınar A., Cansev A., Project Supported by Higher Education Institutions, Güney Marmara Bölgesi iğde Eleagnus angustifolia L genotiplerinin seleksiyonu ve unlu mamuller sanayinde katkı maddesi olarak kullanıma uygun tiplerin belirlenmesi, 2023 - 2025

Kaya B., Özgenç H., TUBITAK Project, Teff bazlı fermente peynir altı suyu içeceği: antimikrobiyal, antioksidan aktivite ve tüketici beğeni testi, 2023 - 2024

Kaya B., Kayıkçı S., TUBITAK Project, 2023 - 2024

ÖZDİKMENLİ TEPELİ S., DEMİREL ZORBA N. N., Kaya B., Taylan G., Tosun M. N., NUMANOĞLU ÇEVİK Y., BAKKALOĞLU Z., ŞİMŞEK H., Project Supported by Higher Education Institutions, Çiğ Sütlerden İzole edilen Enterobacterales ve Gram Pozitif Bakterilerin Antibiyotik Direnci ve Biyofilm Özelliklerinin Araştırılması, 2019 - 2020

Demirel Zorba N. N., Kaya B., Project Supported by Higher Education Institutions, Enhancement of Antimicrobial Activity of Chitosan Nanocomposite Films, 2018 - 2019

Metrics

Publication: 26

Citation (WoS): 5

Citation (Scopus): 13

H-Index (WoS): 1

H-Index (Scopus): 3

Scholarships

ITC Conference, European Commission, 2024 - 2024

Short Term Scientific Mission (STSM), European Commission, 2023 - 2023