Asst. Prof. HÜSEYİN KARAKAYA

Personal Information

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Publons / Web Of Science ResearcherID: ABI-7701-2020
Yoksis Researcher ID: 48935

Education Information

2017 - 2023	Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Gıda Mühendisliği, Turkey
2014 - 2016	Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Gıda Mühendisliği A.B.D., Turkey
2007 - 2011	Undergraduate, Selcuk University, Faculty Of Agrıculture, Gıda Mühendisliği, Turkey

Foreign Languages

English, B2 Upper Intermediate

Dissertations

2023	Research on the Production of Some Analytical Mycotoxin Standards Used in Food And Feed Analysis, Inonu University, Mühendislik Fakültesi, Gıda Mühendisliği, Doctorate
2016	Optimization of Natural Vanillin Production from Isoeugenol by Pseudomonas putida, Inonu University, Fen Bilimleri Enstitüsü, Gıda Mühendisliği, Postgraduate

Research Areas

Food Engineering, Food Microbiology, Food Biotechnology, Engineering and Technology

Academic Titles / Tasks

2014 - Continues	Research Assistant, Inonu University, Mühendislik Fakültesi, Gıda Mühendisliği

Courses

2023 - 2024	Temel İşlemler Laboratuvarı, Undergraduate
2023 - 2024	Gıda Mühendisliğinde Tasarım II, Undergraduate
2023 - 2024	Teknik İngilizce, Undergraduate
2023 - 2024	Gıda Analizleri Laboratuvarı, Undergraduate
2022 - 2023	Temel İşlemler Laboratuvarı, Undergraduate
2022 - 2023	Mikrobiyolojik Kalite Kontrolü, Undergraduate

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Natural Vanillin Production from Isoeugenol by Using Pseudomonas putida in Biphasic Bioconversion Medium**
Karakaya H., Yılmaztekin M.
TARIM BILIMLERI DERGISI, vol.28, no.3, pp.423-429, 2022 (SCI-Expanded)

II. **Chemical Composition and Antimicrobial Activity of Pummelo (Citrus maxima) Essential Oil Derived from Fruit Peel**
KARAKAYA H., ÖZTÜRK F. S., BİLENLER T., Yasar K.
JOURNAL OF ESSENTIAL OIL BEARING PLANTS, vol.25, no.3, pp.524-535, 2022 (SCI-Expanded)

Articles Published in Other Journals

I. **Effect of temperature on storage stability of some flavor compounds encapsulated by electrostatic extrusion technique**
Karakaya H., Yılmaztekin M.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.3, pp.988-998, 2021 (Peer-Reviewed Journal)

II. **Taze ve Olgunlaştırılmış Taşköprü Sarımsağından (Allium sativum L.) Farklı Çözücüler Kullanılarak Elde Edilen Ekstraktların Antimikrobiyal Aktivitelerinin Karşılaştırılması**
Karakaya H., Öztürk F. S., Yılmaztekin M.
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.10, no.3, pp.762-770, 2020 (Peer-Reviewed Journal)

III. **Pseudomonas putida İLE İZOÖJENOLDEN DOĞAL VANİLİN ÜRETİMİNDE BAZI ORTAM KOŞULLARININ MOLAR VERİM ÜZERİNE ETKİSİ**
Karakaya H., Yılmaztekin M.
GIDA, vol.45, no.1, pp.9-19, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Çilek (Fragaria spp.) Meyvesinin Fizikokimyasal Özellikleri, Toplam Fenolik İçeriği Ve Antioksidan Kapasitesinin Belirlenmesi**
Öztürk F. S., Karakaya H.
5. International Hasankeyf Scientific Research And Innovation Congress, Batman, Turkey, 05 August 2023, pp.118-127

II. **Optimizing the Production of Zearalenone by Fusarium culmorum Using Response Surface Methodology**
KARAKAYA H., YILMAZTEKİN M.
Silk Road İnternational Scientific Research Conference, Azerbaijan, 08 December 2022, pp.494

III. **Analysis of E.U. Rapid Alert System Notifications for Food and Feed Products: Turkey Report from 2011 to 2020**
Karakaya H., Yılmaztekin M.
International Congress of Food Researches, Sivas, Turkey, 14 - 16 October 2022, pp.458-465

IV. **ISOLATION OF AFLATOXIN PRODUCING ASPERGILLUS SP. FROM DRIED FOOD PRODUCTS AND GRAINS**
Karakaya H., Yılmaztekin M.
International Conference on Global Practice of Multidisciplinary Scientific Studies Dedicated to the 100th Anniversary of "GEORGIAN TECHNICAL UNIVERSITY - GTU", Tbilisi, Georgia, 24 - 26 June 2022, pp.501

V. **ADSORPTION CHARACTERISTICS OF EPIGALLOCATECHIN-3-GALLATE FROM GREEN TEA EXTRACT ON MACROPOROUS RESIN**
Bilcanoğlu Çağan B., Yılmaztekin M., Karakaya H.
International Conference on Global Practice of Multidisciplinary Scientific Studies Dedicated to the 100th Anniversary of "GEORGIAN TECHNICAL UNIVERSITY - GTU", Tbilisi, Georgia, 24 - 26 June 2022, pp.502

VI. **Türkiye'de Yetişen Kuşburnu (Rosa canina L.) Meyvelerinin Toplam Fenolik İçeriği, Antioksidan ve Antimikrobiyal Aktivitelerinin Belirlenmesi**
Öztürk F. S., Karakaya H., Atalay E., Gökbulut İ., Yılmaztekin M.
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Gaziantep, Turkey, 7 - 09 October 2020, pp.779-785

VII. **Maviyemiş (Vaccinium myrtillus) Meyvesinin Kimyasal Kompozisyonu ve Fonksiyonel Özellikleri**
BİLENLER T., KARAKAYA H., TEKELİOĞLU K., ÖZTÜRK F. S.
2nd International Conference on Agriculture, Forest, Food Sciences and Technologies-ICAFOF 2018, İzmir, Turkey, 2 - 05 April 2018, pp.83

VIII. **Pomelo (Citrus maxima Burm. Merrill) Uçucu Yağının Antimikrobiyal Aktivitesinin Belirlenmesi**
KARAKAYA H., BİLENLER T., ÖZTÜRK F. S., TEKELİOĞLU K.
2nd International Conference on Agriculture, Forest, Food Sciences and Technologies-ICAFOF 2018, İzmir, Turkey, 2 - 05 April 2018, pp.85

IX. **Effects of Temperature, pH and Aeration on Vanillin Production by Pseudomonas putida**
KARAKAYA H., YILMAZTEKİN M.
8th International Advanced Technologies Symposium-IATS 2017, Elazığ, Turkey, 19 - 21 November 2017, pp.52

X. **Applications of Recombinant DNA Technology in Food Biotechnology**
KARAKAYA H., YILMAZTEKİN M.
International Advanced Researches and Engineering Congress-IAREC 2017, Osmaniye, Turkey, 16 - 18 November 2017, pp.2207

XI. **Investigation Of Volatile Organic Compounds In The Essential Oils Of Enterdonat Lemon Leaves And Fruit Peels**
BOZDOĞAN A., YILMAZTEKİN M., KARAKAYA H., ULUKANLI Z.
International Symposium On Medicinal, Aromatic And Dye Plants-REYHAN 2017, Malatya, Turkey, 5 - 07 October 2017, pp.152

XII. **Aroma Maddeleri Ve Esansiyel Yağlarda Tağşişin Tespitine Yönelik Kullanılan Kromatografik Teknikler**
Karakaya H., Yılmaztekin M.
International Symposium On Medicinal, Aromatic And Dye Plants-REYHAN 2017, Malatya, Turkey, 5 - 07 October 2017, pp.140-146

XIII. **Identification Of Volatile Organic Compounds In Essential Oils Of King Mandarin Leaves And Fruit Peels**
YILMAZTEKİN M., BOZDOĞAN A., KARAKAYA H., ULUKANLI Z.
International Symposium On Medicinal, Aromatic And Dye Plants-REYHAN 2017, Malatya, Turkey, 5 - 07 October 2017, pp.130

XIV. **Biotechnological Approaches in Production of Natural Vanillin**
KARAKAYA H., YILMAZTEKİN M.
1st International Mediterranean Science and Engineering Congress-IMSEC 2016, Adana, Turkey, 26 - 28 October 2016, pp.3392-3397

Supported Projects

2021 - 2023	Analitik Mikotoksin Standartlarının Biyoteknolojik Yöntemlerle Üretimi, Project Supported by Higher Education Institutions
2021 - 2022	Gıda ve Yem Analizlerinde Kullanılan Bazı Analitik Mikotoksin Standartlarının Yerli Olarak Üretiminin Araştırılması, TUBITAK Project
2015 - 2017	Pseudomonas putida İLE İZOÖJENOLDEN DOĞAL VANİLİN ÜRETİMİNİN OPTİMİZASYONU, Project Supported by Higher Education Institutions

Scientific Refereeing

March 2024	LETTERS IN DRUG DESIGN AND DISCOVERY, SCI Journal

Tasks In Event Organizations

04 Mayıs 2018	Karakaya H., Gıda Mühendisliği 9. Öğrenci Kongresi (GMOK-9), Scientific Congress, Malatya, Turkey
05 Ekim 2017	Karakaya H., International Symposium on Medicinal, Aromatic and Dye Plants (REYHAN 2017), Scientific Congress, Malatya, Turkey

Metrics

Publication: 19
H-Index (WoS): 1

Awards

April 2023	TÜBA TEKNOFEST DOKTORA BİLİM ÖDÜLLERİ-FİNALİST, Türkiye Bilimler Akademisi (Tüba)