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International Researcher IDs

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Education Information

Doctorate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Food Engineering, Turkey 2024 - Continues

Postgraduate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Food Engineering, Turkey 2021 - 2024

Undergraduate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Food Engineering, Turkey 2017 - 2021

Research Areas

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

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Food Engineering, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Physicochemical and structural characterisation of a branched dextran type exopolysaccharide (EPS) from Weissella confusa S6 isolated from fermented sausage (Sucuk)**
Özpinar F. B., Dertli E., Kayacan Çakmakoglu S., İspirli H., Dere S., Korkmaz Ediş K., Sağıdıç O., Alkay Z., Tunçil Y. E., Ayyash M.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.264, no.1, pp.130507, 2024 (SCI-Expanded)
- II. **Liquorilactobacillus hordei SK6 and Liquorilactobacillus mali SK26 from Traditional Water Kefir Produce Dextrans with Technological Roles**
Edis K., İspirli H., Yilmaz M. T., Dertli E.
Applied Biochemistry and Biotechnology, 2024 (SCI-Expanded)
- III. **Production and characterization of probiotic jelly candy containing Bacillus species**
Kahraman B., Korkmaz K., Daştan D., Toker Ö. S., Dertli E., Arıcı M.
Journal of Food Measurement and Characterization, vol.17, no.6, pp.5864-5873, 2023 (SCI-Expanded)
- IV. **Utilisation of an active branching sucrose from Lactobacillus kunkeei AP-37 to produce techno-**

functional poly-oligosaccharides

İspirli H., KORKMAZ K., Arioglu-Tuncil S., BOZKURT F., SAĞDIÇ O., Tunçil Y. E., Narbad A., DERTLİ E.
International Journal of Biological Macromolecules, vol.236, 2023 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Characterization of a Glucansucrase from *Leuconostoc mesenteroides* AP-40 and Production of Different Oligosaccharides with Acceptor Reactions**
DERE S., İSPİRLİ H., KORKMAZ K., SAĞDIÇ O., DERTLİ E.
International Food Innovation and Sustainability Congress, 16 May 2024, pp.168
- II. **Microbial Diversity and Health Benefits of Water Kefir Grains**
Korkmaz Ediş K., Dertli E.
Uluslararası Biyoteknoloji Kongresi, İstanbul, Turkey, 28 - 30 September 2023, pp.74-75
- III. **Su Kefirinin Sindirim Sistemine Etkileri: Prebiyotik ve Probiyotik Etkileşimleri**
Korkmaz K., Dertli E.
Türkiye 1. Gıda Mikrobiyolojisi Kongresi, Erzurum, Turkey, 13 - 16 September 2023, pp.62
- IV. **WATER KEFİR AS A NOVEL SOURCE FOR EXOPOLYSACCHARIDE PRODUCER LAB STRAINS AND THEIR POTENTIALS AS STARTER CULTURES**
Korkmaz K., Dertli E.
IV. International Agricultural, Biological & Life Science Conference, Edirne, Turkey, 29 - 31 August 2022, pp.441
- V. **Effect of Probiotic Addition on The Textural Properties of Soft Jelly Candies**
Arıcı M., Kahraman B., Aktay D., Keskin F., Korkmaz K., Toker Ö. S.
Gıda Kimyası Kongresi, Antalya, Turkey, 3 - 06 March 2022, pp.3

Supported Projects

SAĞDIÇ O., BOZKURT F., AYYASH M., İSPİRLİ H., NARBAD A., TUNÇİL Y. E., FATEMİZADEH S. S., TÖRNÜK F., AKMAN P. K., KORKMAZ K., et al., Project Supported by Higher Education Institutions, Özgün glukansükrazlar ile üretilecek farklı yapıdaki mikrobiyal glukanların prebiyotik ve antimikrobiyal etkili olmak üzere fonksiyonel biyobozunur ve yenilebilir ambalaj materyallerinin üretiminde kullanım olanaklarının araştırılması, 2024 - Continues

DERTLİ E., TUNÇİL Y. E., NARBAD A., BASKAYA DİKMEN C., KORKMAZ K., SAĞDIÇ O., ŞİMŞEK Ö., TÖRNÜK F., İSPİRLİ H., DERE S., Project Supported by Higher Education Institutions, Özgün ekzopolisakkarit EPS üreticisi Laktik Asit Bakterilerinin izolasyonu üretecekleri EPSnin karakterizasyonu ve potansiyel sağlık uygulamaları için teknofonksiyonel özelliklerinin belirlenmesi, 2023 - 2024

DERTLİ E., KARASU S., ARICI M., İSPİRLİ H., SAĞDIÇ O., NARBAD A., MAYER M., DERE S., KAYACAN ÇAKMAKOĞLU S., KORKMAZ K., Project Supported by Higher Education Institutions, Harnessing glucansucrasebased glucooligosaccharides to improve gut health and model food application, 2022 - 2024

Metrics

Publication: 9

Citation (Scopus): 6

H-Index (Scopus): 2

Scholarships

2210-A Genel Yurt İçi Yüksek Lisans Burs Programı, TUBITAK, 2022 - 2024

2247-C Stajyer Araştırmacı Burs Programı (STAR) , TUBITAK, 2021 - 2021