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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Turkey 2023 - Continues

Postgraduate, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Turkey 2021 - 2023

Undergraduate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Food Engineering, Turkey 2016 - 2021

Dissertations

Postgraduate, DEVELOPMENT OF FERMENTED PLANT-BASED FOOD STRUCTURES FROM LOCAL OIL SEEDS IN THE SCOPE OF SUSTAINABLE FOOD PRODUCTION, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, 2023

Research Areas

Food Engineering

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Kimya-Metalurji, Gıda Mühendisliği, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development of a stable fermented creamy structure from hazelnut in the scope of plant-based food production**
Erem E., Kılıç Akyılmaz M.
Food and Bioproducts Processing, vol.145, pp.128-135, 2024 (SCI-Expanded)
- II. **Fruit-based vegan ice cream-type frozen dessert with aquafaba: effect of fruit types on quality parameters**
Erem E., Akdeniz E., Cayır M., İcyer N. C., TOKER Ö. S.
Journal of Food Science and Technology, vol.61, no.5, pp.907-917, 2024 (SCI-Expanded)
- III. **Stabilization of Olive Oil in Water Emulsion with Dairy Ingredients by Pulsed and Continuous High**

Intensity Ultrasound

Yavuz U. B., Erem E., Kılıç Akyılmaz M.

ACS Omega, vol.8, no.12, pp.11425-11432, 2023 (SCI-Expanded)

IV. Comparison of high intensity ultrasound and heat treatment for extending shelf life of a fermented milk beverage

Kılıç Akyılmaz M., Kurt Ç., Parlak Uzunoğlu T., Türkmen F., Güneş G., Erem E.

INTERNATIONAL DAIRY JOURNAL, vol.141, pp.105617, 2023 (SCI-Expanded)

V. High potential food wastes: Evaluation of melon seeds as spreadable butter

Sahin E., Erem E., Guzey M., Kesen M. S., İÇYER N. C., ÖZMEN D., TOKER Ö. S., Çakmak H.

JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.46, no.10, 2022 (SCI-Expanded)

VI. A new trend among plant-based food ingredients in food processing technology: Aquafaba

Eren E., İcyer N. C., Tatlısu N. B., Kılıçlı M., Kaderoglu G. H., TOKER Ö. S.

CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION, 2021 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Development of a Fermented Plant-based Product Structure from Pistachio

Erem E., Kılıç Akyılmaz M.

3rd International Conference on Raw Materials to Processed Foods (RP-Foods 2023), İstanbul, Turkey, 18 - 19 May 2023

II. Rheological and Water Holding Characteristics of Yoghurts Enriched with Fruit By Products

Eray A., Gemici G. G., Erem E., Kılıç Akyılmaz M.

9th NUTRICON Congress, Ohrid, Macedonia, 7 - 09 June 2023, pp.29

III. Aquafabanın Kalite Özellikleri ve Farklı Gıdalarda Kullanım Olanakları

Erem E., Toker Ö. S.

11. Gıda Mühendisliği Öğrenci Kongresi, Konya, Turkey, 11 - 12 March 2021, pp.57

IV. Gıda Teknolojisinde Enerji Azaltma Stratejileri

Erem E.

11. Gıda Mühendisliği Öğrenci Kongresi, Konya, Turkey, 11 - 12 March 2021, pp.100

V. FOOD SECURITY AND FOOD SAFETY

Erem E.

2nd International Social Innovation Congress (ISIC), İstanbul, Turkey, 09 December 2020, pp.177-186

Supported Projects

Kılıç Akyılmaz M., Erem E., Project Supported by Higher Education Institutions, "SÜRDÜRÜLEBİLİR GIDA ÜRETİMİ KAPSAMINDA YEREL YAĞLI TOHURLARDAN FERMENTE BİTKİ BAZLI GIDA YAPILARININ GELİŞTİRİLMESİ" "DEVELOPMENT OF FERMENTED PLANT-BASED FOOD STRUCTURES FROM LOCAL OIL SEEDS IN THE SCOPE OF SUSTAINABLE FOOD PRODUCTION", 2022 - 2023

Erem E., Sahin E., Güzey M., Kesen M. S., Toker Ö. S., Çakmak H., TUBİTAK Project, Kavun Çekirdeklerinden Sürülebilir Ezme Üretimi, 2021 - 2021

Erem E., Toker Ö. S., TUBİTAK Project, Aquafaba ile Dondurma Alternatifi Meyve Bazlı Ürün Üretimi, 2020 - 2021

Metrics

Publication: 11

Citation (WoS): 1

Citation (Scopus): 10

H-Index (WoS): 1

H-Index (Scopus): 2

Scholarships

2247-C Stajyer Arařtırmacı Burs Programı (STAR), TUBİTAK, 2021 - 2021