

Res. Asst. PhD TUĞBA DURSUN ÇAPAR

Personal Information

Office Phone: +90 352 207 6666 Extension: 32735

Email: tugbadursun@erciyes.edu.tr

Web: <http://aves.erciyes.edu.tr/tugbadursun/>

International Researcher IDs

ScholarID: jxF60TUAAAAJ

ORCID: 0000-0002-1075-0054

Publons / Web Of Science ResearcherID: W-4102-2017

ScopusID: 57023888900

Yoksis Researcher ID: 197044

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Gıda Teknolojisi, Turkey 2014 - 2020

Postgraduate, Erciyes University, Mühendislik Fakültesi, Gıda Mühendisliği , Turkey 2011 - 2014

Undergraduate, Kobenhavns Universitet (University of Copenhagen), Life Science Faculty, Food Science, Denmark 2008 - 2009

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Gıda Mühendisliği, Turkey 2004 - 2009

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, TÜBİTAK ARDEB Fen ve Mühendislik Alanlarında Proje Yazma Eğitimi, Erciyes Üniversitesi Teknopark, 2017

Education Management and Planning, Is Employee Motivation Really the Key to Performance ?, Psychology Department, 2011

Education Management and Planning, Protokol ve Yönetimi, Davranış Bilgisi, Uzman Nihat AYTÜRK, 2010

Education Management and Planning, Kişisel Gelişim Günleri, Hacettepe Üniversitesi, 2008

Dissertations

Doctorate, LUTEİN VE LİKOPEN ENKAPSÜLASYONUNUN OPTİMİZASYONU VE BİYİYARARLILIĞININ ARTIRILMASI, Erciyes University, Fen Bilimleri Enstitüsü, 2020

Postgraduate, Kızartma Öncesi Patateslere Uygulanan Kurutma İşleminin Kızartma Yağı ve Patates Kalitesi Üzerine Etkisi, Erciyes Üniversitesi, Mühendislik Fakültesi, Gıda Mühendisliği , 2014

Research Areas

Academic Titles / Tasks

Research Assistant PhD, Erciyes University, Mühendislik Fakültesi, Gıda Mühendisliği , 2013 - Continues

Academic and Administrative Experience

Courses

KARİYER PLANLAMA, Undergraduate, 2021 - 2022

Introduction to Food Engineering, Undergraduate, 2021 - 2022

Mass and Material Balances, Undergraduate, 2021 - 2022

Mass and Material Balances, Undergraduate, 2021 - 2022

Temel İşlemler, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Black garlic fermentation with green tea extract reduced HMF and improved bioactive properties: optimization study with response surface methodology**
Dursun Çapar T., Inanir C., Cimen F., Ekici L., Yalçın H.
JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, vol.16, pp.1340-1353, 2022 (Peer-Reviewed Journal)
- II. **Machine learning approach for predicting the antifungal effect of gilaburu (*Viburnum opulus*) fruit extracts on *Fusarium* spp. isolated from diseased potato tubers**
ZÖNGÜR A., Kavuncuoğlu H., KAVUNCUOĞLU E., Capar T. D. , YALÇIN H., BUZPINAR M. A.
JOURNAL OF MICROBIOLOGICAL METHODS, vol.192, 2022 (Peer-Reviewed Journal)
- III. **Extraction method affects seed oil yield, composition, and antioxidant properties of European cranberrybush (*Viburnum opulus*)**
Capar T., Dedebas T., Yalçın H., Ekici L.
INDUSTRIAL CROPS AND PRODUCTS, vol.168, 2021 (Peer-Reviewed Journal)
- IV. **Protein/polysaccharide conjugation via Maillard reactions in an aqueous media: Impact of protein type, reaction time and temperature**
Dursun Çapar T., Yalçın H.
LWT-FOOD SCIENCE AND TECHNOLOGY, vol.152, pp.1-10, 2021 (Peer-Reviewed Journal)
- V. **Formulation of functional crackers enriched with germinated lentil extract: A Response Surface Methodology Box-Behnken Design**
Polat H., Capar T., Inanir C., EKİCİ L., YALÇIN H.
LWT-FOOD SCIENCE AND TECHNOLOGY, vol.123, 2020 (Peer-Reviewed Journal)
- VI. **Biofunctional effects of *Pistacia vera* addition on the quality of Simit Kebab**
Özcan C., Dursun Çapar T., Ekici L., Mrghmı Ahhmed A., Yalçın H., Yetim H.
Archiv Fur Lebensmittelhygiene, vol.70, pp.186-192, 2019 (Peer-Reviewed Journal)
- VII. **Rheological analysis for detection of extra virgin olive oil adulteration with vegetable oils: predicting oil type by artificial neural network**
Dursun Çapar T., Kavuncuoğlu H., Yalçın H., Toğa G.
Quality Assurance And Safety Of Crops & Foods, vol.11, pp.687-699, 2019 (Peer-Reviewed Journal)
- VIII. **Oxidative stability of extra virgin olive oil blended with sesame seed oil during storage: an**

optimization study based on combined design methodology

KAVUNCUOĞLU H., Capar T., Karaman S., YALÇIN H.

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, vol.11, no.1, pp.173-183, 2017 (Peer-Reviewed Journal)

IX. Effects of pre-drying on the quality of frying oil and potato slices

Capar T., Yalçın H.

QUALITY ASSURANCE AND SAFETY OF CROPS & FOODS, vol.9, pp.255-264, 2017 (Peer-Reviewed Journal)

X. The effects of packaging type on the quality characteristics of fresh raw pistachios (*Pistacia vera* L.) during the storage

Ozturk I., Sağdıç O., Yalçın H., Capar T., Asyali M. H.

LWT-FOOD SCIENCE AND TECHNOLOGY, vol.65, pp.457-463, 2016 (Peer-Reviewed Journal)

Articles Published in Other Journals

I. Yağlı Tohumlarda Ultrasonik Destekli Ekstraksiyon Yöntemi ve Avantajları

Dedebaş T., Dursun Çapar T., Ekici L., Yalçın H.

Avrupa Bilim ve Teknoloji Dergisi, no.21, pp.313-322, 2021 (Peer-Reviewed Journal)

II. Total Phenolic Contents, Antioxidant Activities and Antioxidant Capacities of Some Selected Pepper (*Capsicum Annuum* L.) Pulps and Seeds

Kavuncuoğlu H., Dursun Çapar T., Yalçın H.

Avrupa Bilim ve Teknoloji Dergisi, no.21, pp.581-586, 2021 (Peer-Reviewed Journal)

III. Effects of Extra Virgin Olive and Riviera Olive Oil Addition on the Properties of Butter: an Optimization Study Based on D-Optimal Mixture Design

Yalçın H., Dursun Çapar T., Kavuncuoğlu H.

Avrupa Bilim ve Teknoloji Dergisi, no.17, pp.546-555, 2019 (Peer-Reviewed Journal)

IV. KAKAO YAĞI ALTERNATİFLERİ ve FRAKSİYONE KRİSTALİZASYON YÖNTEMİ İLE KAKAO YAĞI İKAMESİ ÜRETİMİ

Kavuncuoğlu H., Dursun Çapar T., Yalçın H.

Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.8, pp.857-862, 2019 (Peer-Reviewed Journal)

V. Skualen ve Sağlık Üzerine Etkisi

Dursun Çapar T., Kavuncuoğlu H., Yalçın H.

Zeytin Bilimi, no.1, pp.13-19, 2018 (Peer-Reviewed Journal)

Books & Book Chapters

I. Bioactive Compounds of Fruits and Vegetables

Yalçın H., Dursun Çapar T.

in: Minimally Processed Refrigerated Fruits and Vegetables, Yildiz F., Wiley R.C., Editor, Springer, London/Berlin , New-York, pp.723-745, 2017

II. Gıda İşletmelerinde Hijyen ve İş Güvenliği

DURSUN ÇAPAR T., YALÇIN H.

in: İŞ SAĞLIĞI ve GÜVENLİĞİ, ALTIN Mustafa - TAŞDEMİR Şakir, Editor, Eğitim Yayınevi, Konya, pp.779-801, 2016

Refereed Congress / Symposium Publications in Proceedings

I. Advantages of Ultrasound-Assisted Extraction of Oleaginous Seeds

Yalçın H., Dursun Çapar T., Dedebaş T., Ekici L.

IV. YABİTED Bitkisel Yağ Kongresi, İstanbul, Turkey, 18 - 19 April 2019, pp.29

- II. Dedebaş T., Dursun Çapar T., Ekici L., Yalçın H.
IV. YABİTED Bitkisel Yağ Kongresi, İstanbul, Turkey, 18 - 19 April 2019, pp.27
- III. **Nanokompozit Bazlı Aktif Gıda Ambalaj Filmleri**
KAVUNCUOĞLU H., DURSUN ÇAPAR T., KAVUNCUOĞLU E., YALÇIN H.
3rd III.International Congress on Vocational and Technical Sciences (UMTEB-III), Gaziantep, Turkey, 21 - 22 June 2018, pp.353
- IV. **PROTEİN VE POLİSAKKARİT KONJUGASYONUNUN ENKAPSÜLASYON MATERYALİ OLARAK KULLANILMASI**
DURSUN ÇAPAR T., KAVUNCUOĞLU H., YALÇIN H.
3rd III.International Congress on Vocational and Technical Sciences (UMTEB-III), Gaziantep, Turkey, 21 - 22 June 2018, pp.1
- V. **Hyperspectral Imaging For Food Quality and Control**
DURSUN ÇAPAR T., KAVUNCUOĞLU H., KAVUNCUOĞLU E., YALÇIN H.
3rd III.International Congress on Vocational and Technical Sciences (UMTEB-III), Gaziantep, Turkey, 21 - 22 June 2018, pp.352
- VI. **PULSED ELECTRIC FIELD (PEF) USAGE IN EXTRA VIRGIN OLIVE OIL PRODUCTION**
DURSUN ÇAPAR T., KAVUNCUOĞLU H., YALÇIN H.
3rd III.International Congress on Vocational and Technical Sciences (UMTEB-III), Gaziantep, Turkey, 21 - 22 June 2018, pp.1
- VII. **Susam tohumu yağı ile karıştırılan sızma zeytinyağının depolama sırasındaki stabilitesi**
KAVUNCUOĞLU H., DURSUN ÇAPAR T., YALÇIN H.
International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.1
- VIII. **Fraksiyone Kristalizasyon ile Kakao Yağı İkamesi Üretimi**
KAVUNCUOĞLU H., DURSUN ÇAPAR T., YALÇIN H.
International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.1
- IX. **Steady and dynamic rheological analysis as a novel approach to detection of extra virgin olive oil adulteration with vegetable oils**
DURSUN ÇAPAR T., KAVUNCUOĞLU H., YALÇIN H.
International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.1
- X. **Improving a Novel Functional Butter: Blended with Extra Virgin Olive Oil and Riviera Olive Oil**
YALÇIN H., DURSUN ÇAPAR T., KAVUNCUOĞLU H.
II. International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.1
- XI. **Skualen ve Sağlık Üzerine Etkisi**
DURSUN ÇAPAR T., DEDEBAŞ T., KAVUNCUOĞLU H., SAĞDIÇ O., YALÇIN H.
III. Bitkisel Yağ Kongresi, İzmir, Turkey, 13 - 15 April 2017, pp.87
- XII. **Effects of Pistachio Supplementation on Total Fat Content and Fatty Acid Composition of Simit Kebab**
BİRİŞİK C., DURSUN ÇAPAR T., EKİCİ L., MRGHNI AHMED A., YALÇIN H., YETİM H.
3rd International Symposium on Traditional Foods from Adriatic to Caucasus, Saraybosna, Bosnia And Herzegovina, 1 - 04 October 2015
- XIII. **EFFECTS OF PRE-DRYING ON THE QUALITY OF FRYING OIL AND FRIED PATATOES**
YALÇIN H., DURSUN ÇAPAR T.
YABİTED- II. Bitkisel Yağ Kongresi, Tekirdağ, Turkey, 7 - 09 May 2015, pp.1
- XIV. **Total phenolic contents, antioxidant activities and antioxidant capacities of some selected pepper seeds**
KAVUNCUOĞLU H., DURSUN ÇAPAR T., YALÇIN H., Güvendioğlu E., Yıldızhan B.
YABİTED- II. Bitkisel Yağ Kongresi, Tekirdağ, Turkey, 7 - 09 May 2015, pp.1
- XV. **Biber Çekirdeklerinin Biyoaktif Özelliklerinin İncelenmesi**

YALÇIN H., KAVUNCUOĞLU H., DURSUN ÇAPAR T., Güvendioğlu E., YILDIZHAN B.

YABİTED- II. Bitkisel Yağ Kongresi, Tekirdağ, Turkey, 7 - 09 May 2015

XVI. The Effect Of Pistachio Vera Supplementation On The Simit Kebab'S Phenolic Content And Antioxidant Activity

BİRİŞİK C., DURSUN ÇAPAR T., EKİCİ L., MRGHNI AHMED A., YALÇIN H., YETİM H.

7th International Conference and Exhibition on Nutraceuticals and Functional Foods, İstanbul, Turkey, 14 - 17 October 2014, pp.1

XVII. The effect of Pistachio vera supplementation on the simit kebab'xs phenolic content and antioxidant activity

ÖZCAN C., DURSUN ÇAPAR T., EKİCİ L., AHMED A., YALÇIN H., YETİM H.

ISNFF 2014, 14 - 17 October 2014, pp.195

XVIII. Pre-drying effects on the quality of frying oil

YALÇIN H., DURSUN ÇAPAR T.

International Conference on Food Engineering and Biotechnology, Barcelona, Spain, 27 - 28 February 2014, pp.1

Supported Projects

YALÇIN H., DURSUN ÇAPAR T., Project Supported by Higher Education Institutions, Lutein ve Likopenin Enkapsülasyonun Optimizasyonu ve Biyoyararlılıklarının Artırılması, 2019 - 2020

YALÇIN H., DURSUN ÇAPAR T., Project Supported by Higher Education Institutions, KIZARTMA ÖNCESİ PATATESLERE UYGULANAN KURUTMA İŞLEMİNİN KIZARTMA YAĞI VE PATATES KALİTESİ ÜZERİNE ETKİSİ, 2014 - 2015

Scientific Refereeing

JOURNAL OF FOOD SCIENCE, Journal Indexed in SCI-E, June 2022

Food Science And Technology International, Journal Indexed in SCI-E, June 2022

Journal Of Food Science, Journal Indexed in SCI-E, April 2022

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, Journal Indexed in SCI-E, April 2022

JOURNAL OF ESSENTIAL OIL BEARING PLANTS, Journal Indexed in SCI-E, March 2022

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, Journal Indexed in SCI-E, March 2022

AKADEMİK GIDA, National Scientific Refreed Journal, March 2022

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, Journal Indexed in SCI-E, February 2022

JOURNAL OF ESSENTIAL OIL BEARING PLANTS, Journal Indexed in SCI-E, February 2022

Journal Of Food Science, Journal Indexed in SCI-E, November 2021

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, Journal Indexed in SCI-E, November 2021

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, Journal Indexed in SCI-E, August 2021

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, SCI Journal, June 2021

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, Journal Indexed in SCI-E, February 2021

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, Journal Indexed in SCI-E, October 2020

JOURNAL OF OLEO SCIENCE, Journal Indexed in SCI-E, April 2020

Journal Of Food Processing And Preservation, Journal Indexed in SCI-E, April 2020

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, Journal Indexed in SCI-E, September 2019

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, Journal Indexed in SCI-E, May 2019

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, Journal Indexed in SCI-E, April 2019

Quality Assurance Safety of Crops and Products, Journal Indexed in SCI-E, March 2019

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, Journal Indexed in SCI-E, September 2018

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, Journal Indexed in SCI-E, July 2018

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, Journal Indexed in SCI-E, April 2018

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, Journal Indexed in SCI-E, March 2018

Quality Assurance and Safety of Crops and Foods, Journal Indexed in SCI-E, December 2017

Quality Assurance And Safety Of Crops & Foods, Journal Indexed in SCI-E, May 2017

Quality Assurance and Safety of Crops and Foods, Journal Indexed in SCI-E, February 2017

Metrics

Publication: 35

Citation (WoS): 47

Citation (Scopus): 49

H-Index (WoS): 3

H-Index (Scopus): 3

Congress and Symposium Activities

IV. YABİTED Bitkisel Yağ Kongresi, Working Group, İstanbul, Turkey, 2019

3rd III.International Congress on Vocational and Technical Sciences (UMTEB-III), Attendee, Gaziantep, Turkey, 2018

II. International Mediterranean Science and Engineering Congress, Attendee, Adana, Turkey, 2017

YABİTED III. Bitkisel Yağ Kongresi, Attendee, İzmir, Turkey, 2017

ISNFF- 2014 Annual Conference & Exhibitionn Functional Foods, Nutraceuticals, Natural Health Products and Dietary Supplements, Attendee, İstanbul, Turkey, 2014

International Conference on Food Engineering and Biotechnology, Attendee, Barselona, Spain, 2014

Scholarships

2211-C Öncelikli Alanlara Yönelik Yurt İçi Doktora Burs Programı , TUBITAK, 2018 - 2020

Hayat Boyu Öğrenme Programı, Other International Organizations, 2008 - 2008