

Res. Asst. PhD ELİF MELTEM İŞÇİMEN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAL-7687-2021

ScopusID: 57192105671

Yoksis Researcher ID: 235611

Education Information

Doctorate, Erciyes University, Mühendislik Fakültesi, Gıda Mühendisliği, Turkey 2018 - 2022

Postgraduate, Erciyes University, Mühendislik Fakültesi, Gıda Mühendisliği, Turkey 2013 - 2016

Undergraduate, Erciyes University, Mühendislik Fakültesi, Gıda Mühendisliği, Turkey 2009 - 2013

Foreign Languages

English, B1 Intermediate

Research Areas

Food Engineering, Food Science, Food Chemistry, Food Technology, Cereals Technology, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Erciyes University, Mühendislik Fakültesi, Gıda Mühendisliği, 2015 - Continues

Academic and Administrative Experience

Courses

iş hayatı için yabancı dil, Undergraduate, 2022 - 2023

Gıda Hijyen ve Sanitasyonu, Undergraduate, 2022 - 2023

Kütle ve Enerji Denklikleri, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Preparation of oil-in-water emulsions stabilized by faba bean protein-grape leaf polyphenol conjugates: pH-, salt-, heat-, and freeze-thaw-stability
Dursun Çapar T., İşçimen E. M., McClements D. J., Yalçın H., Hayta M.
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, vol.104, no.11, pp.6483-6493, 2024 (SCI-Expanded)
- II. Fabrication of Legume Protein Isolate-Polyvinyl Alcohol Nanofibers Incorporated with Ferulic Acid
İŞÇİMEN E. M., HAYTA M.
FOOD BIOPHYSICS, vol.19, no.2, pp.347-359, 2024 (SCI-Expanded)
- III. Effect of pH-Shifting on Sunflower Meal Protein Isolate: Improved Stability and Interfacial Properties of Chitosan-stabilized Pickering Emulsion
İŞÇİMEN E. M., ASLAN TÜRKER D.
Food and Bioprocess Technology, 2024 (SCI-Expanded)
- IV. Ultrasound-assisted preparation of faba bean protein isolate-Vitis*</i> vinifera</i><i> L.</i>* polyphenol extract conjugates: Structural and functional characterization
İŞÇİMEN E. M., DURSUN ÇAPAR T., McCLEMENTS D. J., YALÇIN H., HAYTA M.
FOOD BIOSCIENCE, vol.55, 2023 (SCI-Expanded)
- V. Optimization of ultrasound-assisted aqueous two-phase system (ATPS) of phenolics from apple pulp and peel
İŞÇİMEN E. M., Berktaş S., ÇAM M., HAYTA M.
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.53, no.2, pp.207-214, 2023 (SCI-Expanded)
- VI. Effect of ultrasound pretreatment on the functional and antioxidant properties of fermented and germinated Lupin protein isolates grafted with glucose
İşçimen E. M., Hayta M.
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, vol.102, no.2, pp.550-556, 2022 (SCI-Expanded)
- VII. Microwave-assisted aqueous two-phase system based extraction of phenolics from pulses: Antioxidant properties, characterization and encapsulation
İşçimen E. M., Hayta M.
Industrial Crops and Products, vol.173, 2021 (SCI-Expanded)
- VIII. Antioxidant and antihypertensive protein hydrolysates from rice bran: optimization of microwave assisted extraction
Hayta M., Benli B., İşçimen E. M., Kaya A.
JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, vol.15, no.3, pp.2904-2914, 2021 (SCI-Expanded)
- IX. Optimization of antihypertensive and antioxidant hydrolysate extraction from rice bran proteins using ultrasound assisted enzymatic hydrolysis
HAYTA M., Benli B., İŞÇİMEN E. M., KAYA A.
Journal of Food Measurement and Characterization, vol.14, pp.2578-2589, 2020 (SCI-Expanded)
- X. Antidiabetic, Antihypertensive and Antioxidant Properties of Grapevine Leaf Extracts Obtained by Ultrasound, Microwave Assisted, and Classical Solvent Extraction
Hayta M., İşçimen E. M.
ERWERBS-OBSTBAU, vol.60, pp.79-85, 2018 (SCI-Expanded)
- XI. Optimisation of ultrasound assisted extraction of rice bran proteins: effects on antioxidant and antiproliferative properties
İŞÇİMEN E. M., HAYTA M.
QUALITY ASSURANCE AND SAFETY OF CROPS & FOODS, vol.10, no.2, pp.165-174, 2018 (SCI-Expanded)
- XII. Optimization of ultrasound-assisted antioxidant compounds extraction from germinated chickpea using response surface methodology
Hayta M., İşçimen E. M.
LWT - Food Science and Technology, vol.77, pp.208-216, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. Optimization of ultrasound-assisted extraction of protein from the byproduct of the hazelnut oil industry using reverse micelles
İşçimen E. M., Hayta M.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.42, no.4, pp.1202-1213, 2024 (ESCI)
- II. Microwave-Assisted Extraction of Phenolic Components in Olive Leaves and its Kinetics, and Antioxidant Properties of Extracts Zeytin Yapraklarından Fenolik Bileşenlerin Mikrodalga Destekli Ekstraksiyonu ve Kinetiği ile Ekstraktların Antioksidan Özellikleri
İŞÇİMEN E. M., HAYTA M.
Akademik Gida, vol.21, no.3, pp.233-242, 2023 (Scopus)
- III. Antioxidant Properties of Grapevine Leaves Obtained by Optimized Microwave Assisted Extraction
İşçimen E. M., Hayta M.
Çukurova Tarım ve Gıda Bilimleri Dergisi, vol.36, no.1, pp.1-12, 2021 (Peer-Reviewed Journal)

Books & Book Chapters

- I. Tahılların Fonksiyonel Özellikleri ve Fonksiyonel Tahıl Ürünleri
HAYTA M., İŞÇİMEN E. M.
in: Hububat Bilimi ve Teknolojisi, Prof Dr. Hamit Köksel, Editor, sidas medya, İzmir, pp.173-184, 2021
- II. Effects of Phytochemical Fortification of Flour and Bread on Human Health
HAYTA M., İŞÇİMEN E. M.
in: Flour and Breads and Their Fortification in Health and Disease Prevention, Ball M., Ikeda S., Editor, Elsevier Science, Oxford/Amsterdam , London, pp.273-289, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. ENCAPSULATION OF BIOACTIVE COMPOUNDS USING PLANT PROTEINS
İşçimen E. M., Hayta M.
XIV International Scientific Agriculture Symposium "AGROSYM 2023, Sarajevo, Bosnia And Herzegovina, 5 - 08 October 2023, pp.375
- II. Applications of Electrospinning and Electrospraying on Cereal Proteins
İşçimen E. M., Hayta M.
IX. UMTEB INTERNATIONAL CONGRESS ON VOCATIONAL & TECHNICAL SCIENCES, Gaziantep, Turkey, 7 - 08 February 2020, pp.123
- III. ULTRASOUND AND MICROWAVE ASSISTED BIOACTIVE COMPOUND EXTRACTION FROM EDIBLE LEAVES
İşçimen E. M., Hayta M.
IX. UMTEB INTERNATIONAL CONGRESS ON VOCATIONAL & TECHNICAL SCIENCES, Gaziantep, Turkey, 7 - 08 February 2020, pp.124
- IV. PHYTOCHEMICAL ENRICHED FUNCTIONAL BREAD: ANTIOXIDANT PROPERTIES
HAYTA M., İŞÇİMEN E. M.
The 4th International Conference on Engineering and Natural Sciences (ICENS), 2 - 06 May 2018
- V. Fonksiyonel gıdalarda kullanılacak biyoaktif bileşenlerin elektrospin (elektroegirme) ve elektrosprey (elektropüskürme) metodlarıyla enkapsülasyonu
HAYTA M., İŞÇİMEN E. M.
2nd International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF), 2 - 05 April 2018
- VI. Extraction And Purification Of Bioactive Peptides From Cereals
İŞÇİMEN E. M., HAYTA M.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017

- VII. **Recent advances in ultrasound and microwave assisted extraction of bioactive compounds from plant food processing by-products**
HAYTA M., İŞÇİMEN E. M.
International Conference on Advances and Innovations in Engineering, Elazığ, Turkey, 10 - 12 May 2017, pp.675
- VIII. **Innovative applications of ultrasound to prepare protein hydrolysates and bioactive peptides from plant materials**
HAYTA M., İŞÇİMEN E. M.
International Conference on Advances and Innovations in Engineering, Elazığ, Turkey, 10 - 12 May 2017, pp.167
- IX. **Cytotoxicity of rice bran protein obtained by ultrasound assisted extraction**
İŞÇİMEN E. M., HAYTA M.
4th International ISEKI Food Conference, 6 - 08 July 2016
- X. **Effect of ultrasound application on the production of angiotensin converting enzyme inhibitory peptides**
İŞÇİMEN E. M., HAYTA M.
4 th International ISEKI Food Conference, 6 - 08 July 2016
- XI. **OPTIMIZATION OF ULTRASOUND ASSISTED EXTRACTION OF RICE BRAN PROTEINS**
HAYTA M., İŞÇİMEN E. M., BENLİ B.
ICBC 2016, 18 - 21 April 2016
- XII. **ULTRASOUND AND MICROWAVE ASSISTED EXTRACTION OF BIOACTIVE COMPOUNDS FROM RICE BRAN**
HAYTA M., İŞÇİMEN E. M.
ICBC 2016, 18 - 21 April 2016

Supported Projects

HAYTA M., İŞÇİMEN E. M., Project Supported by Higher Education Institutions, BAKLAGİLLERDEN PROTEİN VE FENOLİK BİLEŞENLERİN İNOVATİF YÖNTEMLERLE ELDESİ, NANOLİF ÜRETİMİ, ENKAPSÜLASYON VE BİYOFONKSİYONEL ÖZELLİKLERİNİN BELİRLENMESİ, 2020 - 2022

Scientific Refereeing

FOOD RESEARCH INTERNATIONAL, National Scientific Refreed Journal, September 2024

PREPARATIVE BIOCHEMISTRY AND BIOTECHNOLOGY, SCI Journal, April 2023

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, National Scientific Refreed Journal, April 2023

JOURNAL OF FOOD PROCESSING AND PRESERVATION, SCI Journal, March 2021

JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, SCI Journal, December 2020

Metrics

Publication: 33

Citation (WoS): 94

Citation (Scopus): 123

H-Index (WoS): 6

H-Index (Scopus): 6

Scholarships

Proje Asistanlığı, TUBITAK, 2014 - 2015

Awards

İşçimen E. M., Gıda Mühendisliği Bölümü Dönem Birinciliği, Erciyes Üniversitesi Mühendislik Fakültesi Dekanlığı, June 2013