

Assoc. Prof. ÖZGÜR TARHAN

Personal Information

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International Researcher IDs

ScholarID: 1wc315cAAAAJ

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Publons / Web Of Science ResearcherID: A-2089-2019

ScopusID: 55966438900

Yoksis Researcher ID: 130824

Education Information

Doctorate, Izmir Institute Of Technology, Mühendislik Ve Fen Bilimleri Enstitüsü, Gıda Mühendisliği (Dr) (İngilizce), Turkey 2007 - 2013

Postgraduate, Izmir Institute Of Technology, Mühendislik Ve Fen Bilimleri Enstitüsü, Biyoteknoloji (YI) (Tezli) (İngilizce), Turkey 2001 - 2004

Undergraduate, Gaziantep University, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, Turkey 1992 - 1999

Dissertations

Doctorate, Development and characterization of whey based alpha-lactalbumin protein nanotubes for food applications, Izmir Institute Of Technology, Mühendislik Ve Fen Bilimleri Enstitüsü, Gıda Mühendisliği (Dr) (İngilizce), 2013

Postgraduate, Isolation and characterization of Bacillus thuringiensis strains from different grain habitats, Izmir Institute Of Technology, Mühendislik Ve Fen Bilimleri Enstitüsü, Biyoteknoloji (YI) (Tezli) (İngilizce), 2004

Research Areas

Engineering and Technology

Academic Titles / Tasks

Associate Professor, Usak University, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, 2022 - Continues

Assistant Professor, Usak University, Gıda Mühendisliği Bölümü, 2016 - Continues

Research Assistant, Izmir Institute Of Technology, Mühendislik Fakültesi, Gıda Mühendisliği Bölümü, 2007 - 2013

Research Assistant, Izmir Institute Of Technology, Lisansüstü Eğitim Enstitüsü, Biyoteknoloji (YI) (Tezli) (İngilizce), 2001 - 2007

Academic and Administrative Experience

Usak University, 2018 - 2023

Usak University, 2016 - 2021

Uşak University, 2016 - 2020

Uşak University, 2016 - 2020

Courses

Seminer, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Uzmanlık Alan Dersi I, Postgraduate, 2021 - 2022, 2020 - 2021

İleri Enstrümental Analiz, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Isı ve Kütle Transferi, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Mesleki İngilizce III, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Proses Tasarım ve Kontrol, Undergraduate, 2021 - 2022, 2020 - 2021

Akışkanlar Mekaniği, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Enstrümental Analiz, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Mesleki İngilizce II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Mesleki İngilizce I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Gıda Proteinlerinin Elektroforetik Yöntemlerle Ayrılması, Postgraduate, 2021 - 2022, 2016 - 2017

Tez Çalışması I, Postgraduate, 2021 - 2022, 2020 - 2021

Mesleki İngilizce IV, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Tez Çalışması II, Postgraduate, 2020 - 2021

Yazılı ve Görsel Basında Gıda ve Gıda Mühendisliği Konuları, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Proje Çalışması II, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Uzmanlık Alan Dersi II, Postgraduate, 2020 - 2021

Proje Çalışması I, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

ENSTRÜMENTAL ANALİZ LAB, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

GIDA PROTEİNLERİ VE ELEKTROFORETİK YÖNTEMLERLE AYRILMASI, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

PROSES TASARIMI VE KONTROLÜ, Undergraduate, 2019 - 2020, 2018 - 2019

TEZ ÇALIŞMASI, Postgraduate, 2019 - 2020

UZMANLIK ALAN DERSİ, Postgraduate, 2019 - 2020

Meyve ve Sebze Teknolojisi, Undergraduate, 2018 - 2019

Kütle ve Isı Aktarımı, Undergraduate, 2018 - 2019, 2017 - 2018

BİLİMSEL YAYIN HAZIRLAMA VE SUNMA TEKNİKLERİ, Postgraduate, 2018 - 2019

Gıda Ambalajlama, Undergraduate, 2018 - 2019, 2017 - 2018

Bilimsel Araştırma Yöntemleri ve Yayın Etiği, Postgraduate, 2018 - 2019

Gıda Kimyası Lab, Undergraduate, 2017 - 2018

Gıda Biyoteknolojisi, Undergraduate, 2017 - 2018

Temel İşlemler I, Undergraduate, 2017 - 2018

Genel Kimya II, Undergraduate, 2016 - 2017

Analitik Kimya Lab, Undergraduate, 2016 - 2017

Gıda Mikrobiyolojisi Lab I, Undergraduate, 2016 - 2017

Ticari Besin Destek Ürünleri, Undergraduate, 2016 - 2017

Yenilikçi Gıda Ambalajlama Teknolojileri, Postgraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Structure and binding ability of self-assembled α -lactalbumin protein nanotubular gels
TARHAN Ö., Hamaker B. R., Campanella O. H.
Biotechnology Progress, vol.37, no.3, 2021 (SCI-Expanded)

- II. **Rheological and structural characterization of whey protein gelation induced by enzymatic hydrolysis**
Tarhan Ö., Spotti M. J., Schaffter S., Corvalan C. M., Campanella O. H.
Food Hydrocolloids, vol.61, pp.211-220, 2016 (SCI-Expanded)
- III. **Nanotubular structures developed from whey-based α -lactalbumin fractions for food applications**
Tarhan Ö., Harsa Ş.
Biotechnology Progress, vol.30, no.6, pp.1301-1310, 2014 (SCI-Expanded)
- IV. **Investigation of the structure of alpha-lactalbumin protein nanotubes using optical spectroscopy**
Tarhan Ö., Tarhan E., Harsa Ş.
Journal of Dairy Research, vol.81, no.1, pp.98-106, 2014 (SCI-Expanded)
- V. **Identification and bioactivity of native strains of Bacillus thuringiensis from grain-related habitats in Turkey**
Apaydin Ö., Çinar Ç., Turanlı F., Harsa Ş., Güneş H.
Biological Control, vol.45, no.1, pp.21-28, 2008 (SCI-Expanded)
- VI. **Isolation and characterization of Bacillus thuringiensis strains from olive-related habitats in Turkey**
Cinar C., Apaydin Ö., YENİDÜNYA A. F., Harsa S., Gunes H.
Journal of Applied Microbiology, vol.104, no.2, pp.515-525, 2008 (SCI-Expanded)
- VII. **Isolation and characterization of Bacillus thuringiensis strains from different grain habitats in Turkey**
Apaydin Ö., YENİDÜNYA A. F., Harsa Ş., Güneş H.
World Journal of Microbiology and Biotechnology, vol.21, no.3, pp.285-292, 2005 (SCI-Expanded)

Books & Book Chapters

- I. **Fundamentals of freezing processes**
Falsafi S. R., CAN KARAÇA A., TARHAN Ö., Colussi R., HAKGÜDER B., Kumar Y., Rostamabadi H.
in: Low-Temperature Processing of Food Products, Jafari Seid Mahdi, Editor, Elsevier, pp.25-52, 2024
- II. **Regulatory principles on food nano-particles legislated by international organizations**
TARHAN Ö., İNCE YARDIMCI A.
in: Safety and Regulatory Issues of Nanoencapsulated Food Ingredients, Seid Mahdi Jafari, Editor, Academic Press Elsevier, pp.251-290, 2021
- III. **Spectroscopic and chromatographic analyses of nanoencapsulated food ingredients**
TARHAN Ö., Jafari S. M.
in: Characterization of Nanoencapsulated Food Ingredients, Seid Mahdi Jafari, Editor, Academic Press, Elsevier Inc., pp.585-615, 2020
- IV. **Safety and Regulatory Issues of Nanomaterials in Foods**
TARHAN Ö.
in: Handbook of Nanotechnology, Seid Mahdi Jafari, Editor, Academic Press, Elsevier Inc., pp.655-703, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **Optical Spectroscopy for the Structural Investigation of Protein Nanofibers**
TARHAN Ö., TARHAN E.
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Turkey, 23 - 25 November 2022
- II. **Morphological and Structural Analysis of Electrosprayed WPC/PEO Mats**
TARHAN Ö., TETİK G., Guliyev M.
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Turkey, 23 - 25 November 2022

- III. **Development of Graphene/PAN/PPy Nanofiber Based Electrochemical DNA Biosensor**
Yagmurcukardes N., İNCE YARDIMCI A., Kıvrak E., TARHAN Ö., AÇIKBAŞ Y., KARA KADAYIFCILAR P.
3. Uluslararası Sağlık Bilimleri ve Biyoteknoloji Kongresi, Bilecik, Turkey, 3 - 07 October 2022, pp.246-247
- IV. **Comparison of Air Permeability Properties of PAN/PVDF and PAN/PVA Electrospun Nanofibrous Membranes**
İNCE YARDIMCI A., KAYHAN M., TARHAN Ö.
5. Int. Conference on Material Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC'22), Turkey, 02 September 2022
- V. **Composite Protein Nanofibers Obtained Through Electrospinning**
GÖZLER M., İNCE YARDIMCI A., TARHAN Ö.
4th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2021), Turkey, 24 - 26 November 2021
- VI. **Morphological and Structural Properties of PAN/PVDF Electrospun Nanofibers**
İNCE YARDIMCI A., TARHAN Ö., KAYHAN M., Durmuş A.
4th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2021), Turkey, 24 - 26 November 2021
- VII. **Elektroeğirme yöntemiyle elde edilen kompozit protein nanofiberlerin gıda uygulamaları**
GÖZLER M., TARHAN Ö.
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Turkey, 7 - 09 October 2020
- VIII. **Potential Health Concerns of Food Nanoparticles**
TARHAN Ö.
2nd International Congress of Medical Sciences, and Biotechnology, Uşak, 2020, Turkey, 1 - 03 October 2020, pp.117-120
- IX. **Extraction of collagen and gelatin from animal wastes**
Gündem A., TARHAN Ö.
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), Turkey, 19 - 20 March 2020
- X. **Food-based protein nanofibers produced by electrospinning**
TARHAN Ö., İNCE YARDIMCI A.
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), Turkey, 19 - 20 March 2020
- XI. **Protein Hydrogels**
TARHAN Ö.
I. International Health Sciences and Biotechnology Congress, Turkey, 14 - 16 October 2019
- XII. **Hayvansal Atıklardan Protein Eldesi**
TARHAN Ö., Gündem A.
I. International Health Science and Biotechnology Congress, Turkey, 14 - 16 October 2019
- XIII. **Characterization of Heat Denaturated and Enzyme Hydrolyzed Protein Edible Films**
TARHAN Ö., ŞEN R.
I. International Health Sciences and Biotechnology, Turkey, 14 - 16 October 2019
- XIV. **Isıl İşlemin Yumurta Proteinleri Üzerinde Etkisi**
Gözler M., Yavuz R. C., Şimşek M., TARHAN Ö.
I. Health Sciences and Biotechnology Conference, Turkey, 14 - 16 October 2019
- XV. **Characterization and Application of Food-based Protein Hydrogels**
TARHAN Ö., ŞEN R.
International Eurasian Conference on Science, Engineering and Technology, Turkey, 22 - 23 November 2018
- XVI. **Analysis of Protein Allergy in Cow Milk and Cheese**
TARHAN Ö., KAYA A., GÖZLER M.
International Eurasian Conference on Science, Engineering and Technology, Turkey, 22 - 23 November 2018
- XVII. **Structure of Whey Based Protein Nanotubes**

- TARHAN Ö., HARSA H. Ş.
13th Nanoscience and Nanotechnology Conference, Antalya, Turkey, 22 - 25 October 2017
- XVIII. **Mechanical and Structural Characterization of Whey Based Protein Gels**
TARHAN Ö., Campanella O. H.
International Conference on Agriculture, Forest and Food Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017
- XIX. **Whey Protein Hydrogels: Food and Non-food (Biomedical) Applications**
TARHAN Ö., Campanella O. H.
International Conference on Agriculture, Forest and Food Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017
- XX. **Self-assembled protein nanotubes triggering gelation**
TARHAN Ö., Hamaker B. R., Campanella O. H.
Nanoparticle Synthesis and Assembly, Faraday Discussion, United States Of America, 20 - 22 April 2015
- XXI. **Analysis of the Growth of Alpha-Lactalbumin Protein Nanotubes Functional for Food Applications**
TARHAN Ö., HARSA H. Ş.
PPM, International Porous Powdered Materials Symposium and Exhibition, Turkey, 3 - 06 October 2013
- XXII. **Alpha-Lactalbumin Protein Nanotubes**
TARHAN Ö., GÖKMEN V., HARSA H. Ş.
11. Novel Approaches in Food Industry, Turkey, 26 - 29 May 2011
- XXIII. **Purification of Major Proteins in Whey**
TARHAN Ö., GÖKMEN V., HARSA H. Ş.
11. Novel Approaches in Food Industry, Turkey, 26 - 29 May 2011
- XXIV. **Protein Nanotubes constructed from whey-based alpha-lactalbumin**
TARHAN Ö., GÖKMEN V., HARSA H. Ş.
11. International Congress on Engineering and Food, Greece, 22 - 26 May 2011
- XXV. **Development of alpha-lactalbumin protein nanotubes by self-assembly**
TARHAN Ö., HARSA H. Ş.
6. Nanoscience and Nanotechnology Conference, Turkey, 15 - 18 June 2010
- XXVI. **Türkiye’xxde ve Dünyada Gıda Mühendisliği Eğitimi**
TARHAN Ö., Arcan İ., Baysal H., Ceylan Ç., HARSA H. Ş.
6. Gıda Mühendisliği Kongresi, Turkey, 6 - 08 November 2009
- XXVII. **Tahıl ortamlarından Bacillus thuringiensis izolasyonu ve genotipik karakterizasyonu**
TARHAN Ö., YENİDÜNYA A. F., HARSA H. Ş., GÜNEŞ H.
17. Ulusal Biyoloji Kongresi, Turkey, 21 - 24 June 2004

Metrics

Publication: 65

Citation (Scopus): 530

H-Index (Scopus): 12

Non Academic Experience

Purdue Üniversitesi, Gıda Bilimleri Bölümü

Marta Kılıçlar Tic. Ltd. Şti.