

Lect. ULVIYE BETÜL SÖYLER

Personal Information

Email: bsoyler@metu.edu.tr

Web: <https://avesis.metu.edu.tr/bsoyler>

International Researcher IDs

ScholarID: GbAj7ZEAAAAJ

ORCID: 0000-0003-4655-3113

Publons / Web Of Science ResearcherID: F-6108-2015

ScopusID: 2233759

Yoksis Researcher ID: 164044

Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Food Engineering, Turkey 2004 - 2012

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Food Engineering, Turkey 2001 - 2004

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Food Engineering, Turkey 1997 - 2001

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Characterization and analysis of the antioxidant capacity of functional phenolics oxidized by *Scytalidium thermophilum* catalase phenol oxidase (CATPO), Middle East Technical University, Faculty of Engineering, Department of Food Engineering, 2012

Postgraduate, Cloning and Characterization of Industrially Important Alpha-Galactosidase Genes from the Human Pathogen *Aspergillus fumigatus*, Middle East Technical University, Faculty of Engineering, Department of Food Engineering, 2004

Research Areas

Food Engineering, Food Science, Engineering and Technology

Academic Titles / Tasks

Lecturer PhD, Middle East Technical University, Faculty of Engineering, Department of Food Engineering, 2009 - Continues

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Food Engineering, 2001 -

Advising Theses

SÖYLER U. B., ÖZTOP H. M., Design and characterization of capsaicin loaded nanoemulsions, Postgraduate, E.AKBAŞ(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Improving the Recovery of Phenolic Compounds from Spent Coffee Grounds (SCG) by Environmentally Friendly Extraction Techniques**
Okur İ., Soyler B., Sezer P., Oztop M. H., Alpas H.
MOLECULES, vol.26, no.3, 2021 (SCI-Expanded)
- II. **Physicochemical and Antimicrobial Properties of Oleoresin Capsicum Nanoemulsions Formulated with Lecithin and Sucrose Monopalmitate**
Akbas E., Söyler U. B., Oztop M. H.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.188, pp.54-71, 2019 (SCI-Expanded)
- III. **Formation of capsaicin loaded nanoemulsions with high pressure homogenization and ultrasonication**
Akbaş E., Soyler B., Oztop M. H.
LWT-FOOD SCIENCE AND TECHNOLOGY, vol.96, pp.266-273, 2018 (SCI-Expanded)
- IV. **Capsaicin emulsions: Formulation and characterization**
Akbas E., Söyler U. B., Oztop M. H.
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.38, pp.1079-1086, 2017 (SCI-Expanded)
- V. **Wheatgrass juice to wheat grass powder: Encapsulation, physical and chemical characterization**
Akbas E., KILERCIOGLU M., ONDER O. N., KOKER A., Soyler B., Oztop M. H.
JOURNAL OF FUNCTIONAL FOODS, vol.28, pp.19-27, 2017 (SCI-Expanded)
- VI. **Cloning and heterologous expression of the extracellular alpha-galactosidase from Aspergillus fumigatus in Aspergillus sojae under the control of gpda promoter**
Gurkok S., Soyler B., Biely P., Ogel Z. B.
JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC, vol.64, no.3-4, pp.146-149, 2010 (SCI-Expanded)
- VII. **A New Mathematical Approach in Environmental and Life Sciences: Gene-Environment Networks and Their Dynamics**
Weber G. -, Alparslan-Gok S. Z., Soyler B.
ENVIRONMENTAL MODELING & ASSESSMENT, vol.14, no.2, pp.267-288, 2009 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Ultrasound assisted production and physical characterisation of oleoresin capsicum nanoemulsions with lecithin and sucrose monopalmitate**
AKBAŞ E., SÖYLER U. B., ÖZTOP H. M.
31st EFFoST International Conference, Sitges, Spain, 13 - 16 November 2017
- II. **Effect of homogenization type on the formation of capsaicinloaded nanoemulsions**
AKBAŞ E., SÖYLER U. B., ÖZTOP H. M.
2nd Congress on Food Structure & Design, 26 - 28 October 2016
- III. **Effect of Surfactant Type on Antimicrobial Activity of Capsaicin Loaded Nanoemulsions**
AKBAŞ E., SÖYLER U. B., ÖZTOP H. M.
4th International ISEKI Food Conference, 6 - 08 July 2016

IV. Kapsaisin Antimikrobiyel Etkisinin Nanoemülsiyon Sistemleri ile Arttırılması

AKBAŞ E., SÖYLER U. B., ÖZTOP H. M.

5. Gıda Güvenliği Kongresi, Turkey, 7 - 08 May 2015

Supported Projects

SÖYLER U. B., ÖKMEN Z. A., Project Supported by Higher Education Institutions, Türkiye'ye Özgü bir Ürün olan Lavaş Ekmeğinin Raf Ömrünün Propolis Ekstraktı Eklenerek Uzatılması, 2018 - 2022

ÖKMEN Z. A., SÖYLER U. B., Project Supported by Higher Education Institutions, Çimlendirme İşleminin Bakliyat Ürünlerinin Mineral İçerikleri Üzerine Etkisi, 2018 - 2020

ÖKMEN Z. A., SÖYLER U. B., Project Supported by Higher Education Institutions, İki Farklı Ceviz Çeşidinin (Kültür Cevizi ile Doğal Ceviz) Vitamin ve Omega 3/6 İçeriklerinin Belirlenmesi, 2016 - 2017

SÖYLER U. B., ÖZTOP H. M., TUBITAK Project, Kapsaisin Yüklü Nanoemülsiyonların Tasarlanması Ve Karakterizasyonu, 2015 - 2016

MERT B., SÖYLER U. B., Project Supported by Higher Education Institutions, Yeşil Yapraklı Sebzelerde Pestisit Kalıntılarının Uzaklaştırılması için Yöntem Geliştirilmesi, 2014 - 2015

BAYINDIRLI A., SÖYLER U. B., ÖKMEN Z. A., Project Supported by Higher Education Institutions, Çay üretim alanlarından toplanan örneklerde fenolik asit profilinin elde edilmesi, 2013 - 2013

Metrics

Publication: 11

Citation (WoS): 192

Citation (Scopus): 251

H-Index (WoS): 7

H-Index (Scopus): 7

Non Academic Experience

Türk Akreditasyon Kurumu

Türk Akreditasyon Kurumu