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Personal Information

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Education Information

Doctorate, Atatürk Üniversitesi, Fen Bilimleri, Turkey 1996 - 2002

Post Graduate, Atatürk Üniversitesi, Fen Bilimleri, Turkey 1993 - 1996

Under Graduate, Atatürk Üniversitesi, Ziraat Fakültesi, Turkey 1989 - 1993

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Food Engineering, Food Science, Food Chemistry, Food Biochemistry, Food Technology, Fruits, Vegetables and Nuts, Sugars, Syrups, Starches and Candy, Cocoa and Chocolate Products, Engineering and Technology

Academic Titles / Tasks

Professor, Atatürk Üniversitesi, Ziraat Fakültesi, Gıda Mühendisliği, 2014 - Continues

Associate Professor, Atatürk Üniversitesi, Ziraat Fakültesi, Gıda Mühendisliği, 2009 - 2014

Assistant Professor, Atatürk Üniversitesi, Ziraat Fakültesi, Gıda Mühendisliği, 2003 - 2009

Research Assistant PhD, Atatürk Üniversitesi, Ziraat Fakültesi, Gıda Mühendisliği, 2002 - 2003

Research Assistant, Atatürk Üniversitesi, Ziraat Fakültesi, Gıda Mühendisliği, 1994 - 2002

Advising Theses

ŞENGÜL M., FARKLI KURUTMA YÖNTEMLERİNİN BAZI KAYISI ÇEŞİTLERİNİN KİMYASAL VE FİZİKSEL ÖZELLİKLERİNE ETKİSİ, Doctorate, N.KARATAŞ(Student), 2014

Jury Memberships

Associate Professor Exam, JÜRİ ÜYESİ, İEGE ÜNİVERSİTESİ, April, 2017

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Neuroprotective Potential and Antioxidant Activity of Various Solvent Extracts and Essential Oil of *Ferula orientalis* L.**
TOPDAŞ E. F. , ŞENGÜL M., TAGHIZADEHGHAEHJOUGHİ A., HACİMÜFTÜOĞLU A.
Journal of Essential Oil-Bearing Plants, vol.23, pp.121-138, 2020 (Journal Indexed in SCI Expanded)
- **THE DETERMINATION OF ANTIOXIDANT CAPACITIES AND CHEMICAL PROPERTIES OF *ROSA (Rosa damascena* Mill.) PRODUCTS**

ŞENGÜL M., SENER D., ERCİŞLİ S.

ACTA SCIENTIARUM POLONORUM-HORTORUM CULTUS, vol.16, pp.63-72, 2017 (Journal Indexed in SCI)

- **Yield and quality responses of drip-irrigated spinach to different irrigation quantities in a semi-arid region with a high altitude**

KUŞLU Y., ŞAHİN Ü., KIZILOĞLU F. M. , ŞENGÜL M.

Journal of Central European Agriculture, vol.17, pp.763-777, 2016 (Journal Indexed in SCI Expanded)

- **PHYSICO-CHEMICAL AND BIOLOGICAL ACTIVITY OF HAWTHORN (*Crataegus* spp. L.) FRUITS IN TURKEY**

ERCİŞLİ S., YANAR M., ŞENGÜL M., YILDIZ H., TOPDAŞ E. F. , Taskin T., Zengin Y., Yılmaz K. U.

ACTA SCIENTIARUM POLONORUM-HORTORUM CULTUS, vol.14, pp.83-93, 2015 (Journal Indexed in SCI)

- **Some Physicochemical Characteristics, Bioactive Content and Antioxidant Characteristics of Non-Sprayed Barberry (*Berberis vulgaris* L.) Fruits from Turkey**

Yıldiz H., ERCİŞLİ S., ŞENGÜL M., TOPDAŞ E. F. , Beyhan O., Cakir O., NARMANLIOĞLU H. K. , ORHAN E.

ERWERBS-OBSTBAU, vol.56, pp.123-129, 2014 (Journal Indexed in SCI)

- **THE EFFECT OF COOKING ON TOTAL POLYPHENOLIC CONTENT AND ANTIOXIDANT ACTIVITY OF SELECTED VEGETABLES**

ŞENGÜL M., Yıldiz H., Kavaz A.

INTERNATIONAL JOURNAL OF FOOD PROPERTIES, vol.17, pp.481-490, 2014 (Journal Indexed in SCI)

- **An investigation of the antioxidant activities and some physicochemical characteristics of strawberry added yoghurt**

ŞENGÜL M., ERKAYA T., ŞENGÜL M., YILDIZ H.

Italian Journal Of Food Science, vol.26, pp.235-242, 2014 (Journal Indexed in SCI Expanded)

- **ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES OF POMEGRANATE (*PUNICA GRANATUM* L.) SOUR SAUCE EXTRACTS**

Yıldiz H., ŞENGÜL M., ÇETİN B., KARATAŞ N., ERCİŞLİ S., Okcu Z., DZUBUR A., HADZIABULIC S.

COMPTEs RENDUS DE L ACADEMIE BULGARE DES SCIENCES, vol.67, pp.145-156, 2014 (Journal Indexed in SCI)

- **CHEMICAL PROPERTIES AND ANTIOXIDANT CAPACITY OF CORNELIAN CHERRY GENOTYPES GROWN IN CORUH VALLEY OF TURKEY**

ŞENGÜL M., ESER Z., ERCİŞLİ S.

ACTA SCIENTIARUM POLONORUM-HORTORUM CULTUS, vol.13, pp.73-82, 2014 (Journal Indexed in SCI)

- **The effect of adding sour cherry pulp into yoghurt on the physicochemical properties, phenolic content and antioxidant activity during storage**

ŞENGÜL M., ERKAYA T., ŞENGÜL M., Yıldiz H.

INTERNATIONAL JOURNAL OF DAIRY TECHNOLOGY, vol.65, pp.429-436, 2012 (Journal Indexed in SCI)

- **Phytochemical characterization of several hawthorn (*Crataegus* spp.) species sampled from the Eastern Mediterranean region of Turkey**

Caliskan O., Gunduz K., Serce S., Toplu C., Kamiloglu O., ŞENGÜL M., ERCİŞLİ S.

PHARMACOGNOSY MAGAZINE, vol.8, pp.16-21, 2012 (Journal Indexed in SCI)

- **Antioxidant, Antimicrobial Activity and Total Phenolic Content within the Aerial Parts of *Artemisia absinthum*, *Artemisia santonicum* and *Saponaria officinalis***

ŞENGÜL M., ERCİŞLİ S., YILDIZ H., Gungor N., KAVAZ A., ÇETİN B.

IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH, vol.10, pp.49-55, 2011 (Journal Indexed in SCI)

- **SOME PHYTOCHEMICAL CHARACTERISTICS OF TURNIP (*BRASSICA RAPA* VAR. *RAPA* L.) ROOTS**

ŞENGÜL M., YILDIZ H., ERCİŞLİ S., YILDIRIM E., Turan M., ÖZDEMİR O., SENER D.

ITALIAN JOURNAL OF FOOD SCIENCE, vol.23, pp.338-343, 2011 (Journal Indexed in SCI)

- **Some phytochemical and antioxidant characteristics of wild and cultivated blackberry (*Rubus caucasicus*) fruits**

YILDIZ H., ŞENGÜL M., Çelik F., HEGEDUS A., ERCİŞLİ S., Tosun M.

JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.8, pp.156-159, 2010 (Journal Indexed in SCI)

- **SEASONAL VARIATION OF TOTAL PHENOLIC, ANTIOXIDANT ACTIVITY AND MINERALS IN FRESH TEA SHOOTS (*CAMELLIA SINENSIS* VAR. *SINENSIS*)**

ERTÜRK Y., ERCİŞLİ S., ŞENGÜL M., ESER Z., HAZNEDAR A., Turan M.

PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.23, pp.69-74, 2010 (Journal Indexed in SCI)

- **Total Phenolic Content, Antioxidant Activity, Some Physical and Chemical Properties of Pestil**
ŞENGÜL M., YILDIZ H., GÜNGÖR N., OKCU Z.
ASIAN JOURNAL OF CHEMISTRY, vol.22, pp.448-454, 2010 (Journal Indexed in SCI)
- **Antioxidant activities and fatty acid composition of wild grown myrtle (*Myrtus communis* L.) fruits**
Serce S., ERCİŞLİ S., ŞENGÜL M., Gunduz K., ORHAN E.
PHARMACOGNOSY MAGAZINE, vol.6, pp.9-12, 2010 (Journal Indexed in SCI)
- **Phenotypic variation in physico-chemical properties among cactus pear fruits (*Opuntia ficus-indica* (L.) Miller) from Turkey**
Toplu C., Serce S., ERCİŞLİ S., Kamiloglu O., ŞENGÜL M.
PHARMACOGNOSY MAGAZINE, vol.5, pp.400-406, 2009 (Journal Indexed in SCI)
- **Preliminary characterisation of cornelian cherry (*Cornus mas* L.) genotypes for their physico-chemical properties**
YILMAZ K. U. , ERCİŞLİ S., ZENGİN Y., ŞENGÜL M., Kafkas E. Y.
FOOD CHEMISTRY, vol.114, pp.408-412, 2009 (Journal Indexed in SCI)
- **TOTAL PHENOLIC CONTENT, ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES OF SOME MEDICINAL PLANTS**
ŞENGÜL M., YILDIZ H., GÜNGÖR N., ÇETİN B., ESER Z., ERCİŞLİ S.
PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.22, pp.102-106, 2009 (Journal Indexed in SCI)
- **Antioxidant Properties and Total Phenolic Content of Eight *Salvia* Species from Turkey**
TOSUN M., ERCİŞLİ S., ŞENGÜL M., ÖZER H., POLAT T., ÖZTÜRK E.
BIOLOGICAL RESEARCH, vol.42, pp.175-181, 2009 (Journal Indexed in SCI)
- **Some selected physico-chemical characteristics of wild and cultivated blackberry fruits (*Rubus fruticosus* L.) from Turkey**
YILMAZ K. U. , ZENGİN Y., ERCİŞLİ S., Serce S., Gunduz K., ŞENGÜL M., Asma B. M.
ROMANIAN BIOTECHNOLOGICAL LETTERS, vol.14, pp.4152-4163, 2009 (Journal Indexed in SCI)
- **Total phenolic content, antioxidant, and antibacterial activity of *Rumex crispus* grown wild in Turkey**
ÇORUH İ., GORMEZ A. A. , ERCİŞLİ S., ŞENGÜL M.
PHARMACEUTICAL BIOLOGY, vol.46, pp.634-638, 2008 (Journal Indexed in SCI)
- **Phenolic and antioxidant diversity among persimmon (*Diospyros kaki* L.) genotypes in Turkey**
ERCİŞLİ S., AKBULUT M., ÖZDEMİR O., ŞENGÜL M., ORHAN E.
INTERNATIONAL JOURNAL OF FOOD SCIENCES AND NUTRITION, vol.59, pp.477-482, 2008 (Journal Indexed in SCI)
- **Total Phenolics Mineral Contents Antioxidant and Antibacterial Activities of *Glycyrrhiza Glabra* L Roots Grown Wild in Turkey Italian Journal of Food Science**
ERCİŞLİ S., ÇORUH İ., GÖRMEZ A., ŞENGÜL M., BİLEN S.
Italian Journal Of Food Science, vol.1, pp.91-99, 2008 (Journal Indexed in SCI Expanded)
- **Antioxidant activity, total phenolic content and selected physicochemical properties of white mulberry (*Morus alba* L.) fruits**
Gungor N., ŞENGÜL M.
INTERNATIONAL JOURNAL OF FOOD PROPERTIES, vol.11, pp.44-52, 2008 (Journal Indexed in SCI)
- **Seasonal variation of total phenolic antioxidant activity PNE and fatty acids in tea leaves *Camellia sinensis* var *sinensis* clone *Derepazari 7* grown in Turkey**
ERCİŞLİ S., ORHAN E., ÖZDEMİR Ö., ŞENGÜL M., KARATAŞ N.
Pharmaceutical Biology, vol.46, pp.683-687, 2008 (Journal Indexed in SCI Expanded)
- **Seasonal Variation of Total Phenolic, Antioxidant Activity, Plant Nutritional Elements, and Fatty Acids in Tea Leaves (*Camellia sinensis* var. *sinensis* clone *Derepazari 7*) Grown in Turkey**
ERCİŞLİ S., ORHAN E., ÖZDEMİR O., ŞENGÜL M., GÜNGÖR N.
PHARMACEUTICAL BIOLOGY, vol.46, pp.683-687, 2008 (Journal Indexed in SCI)
- **The genotypic effects on the chemical composition and antioxidant activity of sea buckthorn (*Hippophae rhamnoides* L.) berries grown in Turkey**
Ercisli S., ORHAN E., ÖZDEMİR O., ŞENGÜL M.
SCIENTIA HORTICULTURAE, vol.115, pp.27-33, 2007 (Journal Indexed in SCI)

- **Phenolic and antioxidant diversity among fruit species grown in Turkey**
ERCİŞLİ S., ÖZDEMİR Ö., ŞENGÜL M., ORHAN E., KARATAŞ N.
Asian Journal Of Chemistry, vol.19, pp.5751-5754, 2007 (Journal Indexed in SCI)
- **Rheological characteristics of carob pekmez**
ŞENGÜL M., Ertugay M. F. , ŞENGÜL M., Yüksel Y.
International Journal of Food Properties, vol.10, pp.39-46, 2007 (Journal Indexed in SCI)
- **Rheological, physical and chemical characteristics of mulberry pekmez**
Sengul M., ERTUGAY M. F. , Sengul M.
FOOD CONTROL, vol.16, pp.73-76, 2005 (Journal Indexed in SCI)
- **The effect of storage conditions (temperature, light, time) and variety on the glycoalkaloid content of potato tubers and sprouts**
ŞENGÜL M., KELEŞ F., KELEŞ M. S.
Food Control, vol.15, pp.281-286, 2004 (Journal Indexed in SCI)
- **Effect of ultrasound treatment on milk homogenisation and particle size distribution of fat**
ERTUGAY M. F. , ŞENGÜL M., ŞENGÜL M.
Turkish Journal Of Veterinary Sciences, vol.28, pp.303-308, 2004 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Katı-Sıvı Ekstraksiyonunda Kullanılan Modern Teknikler ve Bu Teknikler Arasında Ultrason Yardımlı Ekstraksiyonun Yeri**
ŞENGÜL M., TOPDAŞ E. F.
Atatürk Üniversitesi Ziraat Fakültesi Dergisi, vol.50, pp.201-216, 2019 (Other Refereed National Journals)
- **Dut Pekmezinin Bazı Kimyasal ve Fiziksel Özellikleri ile Antioksidan Aktivitesi Üzerine Depolamanın Etkisi**
KARATAŞ N., ŞENGÜL M.
Türk Tarım ve Doğa Bilimleri Dergisi, vol.5, pp.34-43, 2018 (National Refereed University Journal)
- **Artvin İlinde Geleneksel Olarak Üretilen Bazı Marmelat Çeşitlerinin Çeşitli Fiziksel ve Kimyasal Özellikleri ile Antioksidan Aktiviteleri ve Fenolik Profillerinin Araştırılması**
ŞENGÜL M., TOPDAŞ E. F. , DOĞAN h., SERENCAM H.
Akademik Gıda, vol.16, pp.51-59, 2018 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- **Effects of Cinnamon on Type-2 Diabetes Mellitus**
TOPDAŞ E. F. , ODUNKIRAN A., ŞENGÜL M.
INTERNATIONAL CONFERENCE ON AGRONOMY AND FOOD SCIENCE AND TECHNOLOGY-AGROFOOD , 20 - 21 June 2019
- **RHEOLOGICAL BEHAVIOR OF ICE CREAM MIXES PRODUCED WITH LYOPHILIZED PRICKLY PEAR**
ŞENGÜL M., TOPDAŞ E. F. , ERTUGAY M. F. , DAĞDEMİR E.
INTERNATIONAL FOOD RHEOLOGY AND TEXTURE SYMPOSIUM, 19 - 21 October 2018
- **Some Physicochemical Properties, Antioxidant and Anthocyanin Contents of Traditionally Produced Plum Pestil (Prunus domestica)**
ŞENGÜL M., KARATAŞ N., TOPDAŞ E. F. , ZOR m.
1. INTERNATIONAL GAP AGRICULTURE LIVESTOCK CONGRESS, 25 - 27 April 2018
- **Investigation of Volatile Compounds of Plum (Prunus salicina) Pestil**
ŞENGÜL M., YILMAZ B., ZOR m., TOPDAŞ E. F. , KARATAŞ N.
International Conference on Agriculture, Forest, Food, Veterinary Sciences and Technologies, 2 - 05 April 2018
- **Antioxidant Activity, Total Phenolic and Total Antocyanin Contents of Prunus salicina**
ŞENGÜL M., KARATAŞ N., TOPDAŞ E. F. , ZOR m.
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- **Mineral Composition Changes Between Plum (Prunus Salicina) Fruit, Pulp and Pestil**

ŞENGÜL M., TOPDAŞ E. F. , KARATAŞ N., ZOR m.

International Conference on Agriculture, Forest, Food, Veterinary Sciences and Technologies, 2 - 05 April 2018

- **Functional Properties of Hippophae rhamnoides**

ZOR m., ŞENGÜL M., TOPDAŞ E. F.

International Conference on Agriculture, Forest, Food, Veterinary Sciences and Technologies, 2 - 05 April 2018

- **The Phenolic Profile and Antioxidant Activity of Acera Pekmez**

TOPDAŞ E. F. , ŞENGÜL M., BAYRAMBAŞ K.

'Traditional Foods from Adriatic to Caucasus, Sarajevo, Bosnia And Herzegovina, 1 - 04 October 2017, pp.1-2

- **The Bioactive Compounds of Tea and Decaffeinated Tea and Effects on The Health**

KARATAŞ N., ŞENGÜL M., YILDIZ H., ÖZLÜ H.

II. International Conference on Advanced Engineering Technologies, 21 - 23 September 2017

- **Sensorial Properties of Ice Creams Produced with Black Rose Hip, Seed Powder and Water Extracts.**

ŞENGÜL M., ŞENGÜL M., TOPDAŞ E. F.

International Conference on Advances and Innovations in Engineering (ICAIE)., 10 - 12 May 2017

- **Anthocyanin Contents of Ice Creams Coloured With Black Rose Hip Fruit and Seeds Extracts.**

TOPDAŞ E. F. , ŞENGÜL M., ŞENGÜL M., ZOR M.

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- **Total Phenolic Content and Antioxidant Capacity of Coriander.**

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- **Characteristics and Effective Usage Areas of Rosemary.**

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- **Effects of Different Drying Methods on The Antioxidant Capacity of Smilax Excelsa L.**

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- **Some Properties and Usage Areas of Basil (Ocimum basilicum).**

ŞENGÜL M., TOPDAŞ E. F. , KAVAZ N., ÖZEL G.

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- **Total Phenolic and Antioxidant Capacity of Coriander.**

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- **A Medicinal-Aromatic Plant: Coriandrium Sativum L.**

ŞENGÜL M., TOPDAŞ E. F.

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- **Total Phenolic and Antioxidant Capacity of Coriander.**
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International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, pp.2
- **Kokulu Üzüm (Vitis Labrusca)'ün Biyoaktif Bileşenleri Ve Sağlık Üzerine Etkileri**
ŞENGÜL M., TOPDAŞ E. F. , ZOR M., ODUNKIRAN A.
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- **Applicability of Prickly Pear (Opuntia Ficus- İndica) Fruit In Ice Cream: Investigation of Some Physical Chemical Rheological and Sensorial PropertieS**
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- **Kurutulmuş Trabzon Hurmasının Bazı Kimyasal Özellikleri İle Fenolik Madde ve Antioksidan Kapasitesinin Belirlenmesi.**
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9. Gıda Mühendisliği Kongresi, İzmir, Turkey, 12 - 14 November 2015, pp.1
- **Kurutulmuş Trabzon Hurmasının Bazı Kimyasal Özellikleri İle Fenolik Madde ve Antioksidan**

Kapasitesinin Belirlenmesi.

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- **Determination of Phenolic Profile and Antioxidant Activity of Different Marmelades.**

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- **A research on Individual Phenolic Content and Antioxidant Activity of A Traditional Product Furuç**

ŞENGÜL M., TOPDAŞ E. F. , DOĞAN H.

The 3rd International Symposium on "Traditional Foods from Adriatic to Caucasus, 1 - 04 October 2015

- **Determination of Physico-Chemical Properties, Phenolic Composition and Antioxidant Capacity of Traditionally Produced Kaz Apple Karova**

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