

## CURRICULUM VITAE

Name and Surname: SEDEF ÖZLİMAN  
Academic Title: Assistant Professor  
Work Address:  
Email: sedef.ozliman@afsu.edu.tr  
Area of Expertise: Alkaloidal Crops (tobacco,tea,coffee,cacao,poppies,cola nuts,chicory,marijuana,etc.)

Degree	Department/Program	University	Year
Doctorate		Bolu Abant İzzet Baysal University	2024
Master's Degree		Bolu Abant İzzet Baysal University	2019
Master's Degree		İstanbul University	2019
Associate Degree		Anadolu University	2014
Bachelor's Degree		Bursa Uludağ University	2013

Master's Thesis Title (abstract attached) and Thesis Supervisor(s):

The effects of nitrogen and farm manure applications on biological activities and essential oil components of dill (*Anethum graveolens* L.)

Doctoral Thesis/Proficiency Study/Medical Specialization Thesis Title (abstract attached) and Supervisor(s):

The effect of different doses of foliar application of graphene oxide nanoparticles on the yield and quality of sweet basil (*Ocimum basilicum* L.) cultivated through organic and chemical fertilizers

Position Title	Workplace	Year
Assistant Professor	Afyonkarahisar Health Sciences University	2025-Continues
Lecturer	Afyonkarahisar Health Sciences University	2021-2025

Roles in Projects:

- Afyonkarahisar İklim Koşullarında Bazı Tıbbi ve Aromatik Bitki Türlerinin Yetiştirilme Potansiyeli ve Ürün Kalitesinin Araştırılması*, Project Supported by Higher Education Institutions, Özliman S., 2022-2025.
- Afyonkarahisar'ın Endemik Bitkisi Olan Sideritis akmanii'nin Kapsamlı Fitokimyasal Araştırılması*, Project Supported by Higher Education Institutions, Özliman S., 2023-2024.
- Helichrysum italicum (Roth) G. Don ssp. italicum Bitkisinin Çiçeklerinde Fitokimyasal ve Biyolojik Araştırmalar*, Project Supported by Other Official Institutions, Soltanbeigi E. (Executive), İşitez N., Erdoğan S. F., Özliman S., 2023-2024.
- Yapraktan uygulanan farklı grafen oksit nanopartikül dozlarının organik ve kimyasal gübrelerle yetiştirilen fesleğen (Ocimum basilicum L.)'in verimine etkisi*, Project Supported by Higher Education Institutions, Özliman S. (Executive), 2023-2024.

5. *Helichrysum italicum* (Roth) G. Don ssp. *italicum* Bitkisinin Çiçeklerinde Fitokimyasal ve Biyolojik Araştırmalar, Project Supported by Higher Education Institutions, Özliman S., 2023-2024.

6. *Yapraktan Uygulanan Farklı Grafen Oksit Nanopartikül Dozlarının Organik Ve Kimyasal Gübrelerle Yetiştirilen Fesleğen (Ocimum Basilicum L.)'ın Kalitesine Etkisi*, TUBITAK Project, Özliman S. (Executive), 2023-2023.

7. *Farklı Dozda Kimyasal ve Organik Gübre Uygulamalarının Dereotu (Anethum graveolens) Herbasının Biyolojik Aktiviteleri Üzerine Etkileri*, Project Supported by Higher Education Institutions, Özliman S. (Executive), 2017-2018.

#### Administrative Duties:

1. Head of Department - Afyonkarahisar Health Sciences University (2025 - Continues)

2. Head of Department - Afyonkarahisar Health Sciences University (2021 - Continues)

Undergraduate and graduate level courses taught in the last two years (If offered, summer courses will also be added to the table):

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2025	Spring	BOTANİK			
2025	Spring	TARIMSAL GENEL MİKROBİYOLOJİ			
2025	Spring	SEKONDER METABOLİTLER			
2025	Spring	BİTKİ BESLEME VE GÜBRELEME			
2025	Spring	TIBBİ VE AROMATİK BİTKİLERDE MEKANİZASYON			
2025	Spring	BİTKİSEL ÜRÜNLERİN BİYOLOJİK ETKİLERİ			
2025	Spring	ZEHİRLİ BİTKİLER			
2025	Fall	BOTANİK			
2025	Fall	TARIMSAL GENEL MİKROBİYOLOJİ			
2025	Fall	SEKONDER METABOLİTLER			
2025	Fall	BİTKİ BESLEME VE GÜBRELEME			
2025	Fall	TIBBİ VE AROMATİK BİTKİLERDE MEKANİZASYON			
2025	Fall	BİTKİSEL ÜRÜNLERİN BİYOLOJİK ETKİLERİ			
2025	Fall	ZEHİRLİ BİTKİLER			

## PUBLICATIONS

### A. Articles published in international peer-reviewed journals:

A1. Özliman S., "Volatile compounds of volatile oils and hydrosols: intra-specific comparison in seven Lamiaceae species", *BMC Plant Biology*, 2026.

A2. Özliman S., Yıldız G., "Unveiling the biological activity of *Ocimum basilicum* through nano graphene oxide foliar application with chemical and organic fertilizers broadcasting", *Scientific Reports*, vol. 15, no. 36908, 2025.

A3. Soltanbeigi E., İşitez N., Erdoğan S. F., Özliman S., "Helichrysum italicum (Roth) G. Don essential oil: composition and potential anti-tumour, anti-inflammatory, antimicrobial, and antibiofilm effects", *Journal of Biologically Active Products from Nature*, vol. 15, no. 4, pp. 353-368, 2025.

A4. Soltanbeigi E., Özliman S., "Volatile compounds of *Origanum onites* L. herbal tea influenced by brewing durations", *Biochemical Systematics and Ecology*, vol. 110, 2023.

A5. Özliman S., Yıldız G., Camlica M., Özsoy N., "Chemical components of essential oils and biological activities of the aqueous extract of *Anethum graveolens* L. grown under inorganic and organic conditions", *Chemical and Biological Technologies in Agriculture*, vol. 8, no. 1, 2021.

A6. Özliman S., Yıldız G., "Antimicrobial and Antioxidant Activity of *Anethum graveolens* L. Growth At Different Farmyard Manure And Amonium Nitrate Fertilizer Levels", *AGROCIENCIA*, 2020.

## **B. Papers presented at international scientific meetings and published in proceedings:**

- B1.** Özliman S., Yıldız G., Tıbbi ve Aromatik Bitki Tohumlarının Çimlenme Performansının ve Stres Toleransının Arttırılmasına Yönelik Nanoprimering Stratejileri, In: *1st International Agra Scientific Research and Innovation Congress-INDIA*, India, 2025.
- B2.** Özliman S., Yıldız G., Metal Oksit Nanogübrelerin (ZnO, TiO<sub>2</sub>, Fe<sub>2</sub>O<sub>3</sub>) Tıbbi ve Aromatik Bitkilerde Büyüme ve Uçucu Yağ Verimi Üzerindeki Etkisi, In: *3rd International Colosseum Scientific Research and Innovation Congress-ITALY*, Italy, 2025.
- B3.** Özliman S., Yıldız G., Nanopartiküllerin Bitkisel Sekonder Metabolit Üretimi Üzerindeki Elisitör Etkisi, In: *3rd International Colosseum Scientific Research and Innovation Congress-ITALY*, Italy, 2025.
- B4.** Çamlıca M., Yıldız G., Özliman S., A Study On The Gum Isolation Optimization In Different Fenugreek Genotypes, In: *MESMAP – 9*, Ankara, Türkiye, 2023, pp. 223-228.
- B5.** Özliman S., Yıldız G., Çamlıca M., Impact of Organic and Inorganic Fertilizers Application On The Antibacterial Activities Of Dill (*Anethum Graveolens L.*), In: *MESMAP – 9*, Ankara, Türkiye, 2023, pp. 216-222.
- B6.** Özliman S., Yıldız G., Antimicrobial and Antioxidant Activity of *Anethum graveolens L.* Affected by Various Levels of Farmyard Manure and Ammonium Nitrate, In: *II. ULUSLARARASI TARLA BİTKİLERİ KONGRESİ*, Rize, Türkiye, 2022, pp. 40.
- B7.** Özliman S., Yıldız G., Ahır Gübresi ve Azotlu Gübre Uygulamalarının Dereotu (*Anethum graveolens L.*) Verimi Üzerine Etkisi, In: *II. ULUSLARARASI TARIM KONGRESİ*, Ankara, Türkiye, 2020, pp. 23-23.

## **C. National/international books written or chapters in books:**

### **C1. National/international books written:**

- C1.1.** Soltanbeigi E., Özliman S., *Türkiye'nin Baharatları*, İstanbul Ticaret Borsası Yayınları, İstanbul, 2023.

### **C2. Chapters in national/international books written:**

- C2.1.** Özliman S., Yıldız G., "Tıbbi ve Aromatik Bitkilerde Esansiyel Yağ Üretim Teknolojileri ve Biyoaktif Profiller", *Tarla Tarımına Güncel Bakış / A Current Perspective on Field Agriculture*, İksad Yayınevi, Ankara, 2025.
- C2.2.** Yıldız G., Özliman S., Çamlıca M., Batı Ay E., Kulak M., "Nanopesticides for sustainable agriculture and nanotechnology for abiotic stress tolerance and management in plants", *Nanomaterials for Enhanced Plant-Based Food Production*, Academic Press, Cambridge, 2025.
- C2.3.** Soltanbeigi E., Özliman S., "Tarımsal Üretimde Nanoteknoloji Kullanımı", *Tıbbi ve Aromatik Bitkiler Üretiminde Yenilikçi Yaklaşımlar*, İKSAD, 2022.

## **D. Articles published in national peer-reviewed journals:**

- D1.** Soltanbeigi E., Özliman S., "Diurnal and intra-plant variation in volatile oil content and constituents of *Salvia rosmarinus* Spenn. leaves", *International Journal of Agriculture, Environment and Food Sciences*, pp. 113-124, 2026.
- D2.** Soltanbeigi E., Pirhadi M., Özliman S., "Ethno-Botanical Study of Appetizing Medicinal Plants Used in Musian City, West of Iran", *Journal of Biochemicals and Phytomedicine*, vol. 2, no. 2, pp. 70-74, 2023.
- D3.** Banoo S. R., Narimani-rad M., Lotfi A., Shokri S., Abbaszadeh S., Özliman S., "Phytotherapy in prostatitis: A review of the most important medicinal plants affecting prostatitis in Iranian ethnobotanical documents", *Plant Biotechnology Persa*, vol. 3, no. 2, pp. 68-74, 2021.
- D4.** Özliman S., Moradi S., Pirhadi M., Banoo S. R., "An Overview of the Most Important Medicinal Plants with Effect on Hair Growth and Treatment of Alopecia", *Plant Biotechnology Persa*, vol. 3, no. 2, pp. 63-67, 2021.