

CURRICULUM VITAE

Name and Surname: MÜJGAN KESİK OKTAY
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Foreign Languages Known (Score and Year): English, B2 Upper Intermediate, 2010

Degree	Department/Program	University	Year
Doctorate	Biology	Muğla Sıtkı Koçman University	2019
Master's Degree	Biology department	Muğla Sıtkı Koçman University	2013

Position Title	Workplace	Year
Assistant Professor	Afyonkarahisar Health Sciences University	2020-Continues
Research Assistant	Muğla Sıtkı Koçman University	2010-2019

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

- A1.** Kesik Oktay M., Şahin B., Güneş H., "Determination of the cytotoxic effects of parasporal proteins in native *Bacillus thuringiensis* isolates on various cancer cell lines and investigation of the apoptotic, synergistic, and angiogenic potency of the isolate Bt 5.4", *BMC Biotechnology*, vol. 26, no. 3, 2025.
- A2.** Çatav Ş. S., Genç T. O., Kesik Oktay M., Küçükakyüz K., "Cadmium Toxicity in Wheat: Impacts on Element Contents, Antioxidant Enzyme Activities, Oxidative Stress, and Genotoxicity", *Bulletin of Environmental Contamination and Toxicology*, vol. 104, no. 1, pp. 71-77, 2020.
- A3.** Güvensen N. C., Keskin D., Güneş H., Kesik Oktay M., Yıldırım H., "Antimicrobial property and antiproliferative activity of *centaurea babylonica* (L.) L. on human carcinomas and cervical cancer cell lines", *Annals of Agricultural and Environmental Medicine*, vol. 26, no. 2, pp. 290-297, 2019.
- A4.** Kesik Oktay M., Şahin B., Güneş H., "Characterization of native *Bacillus thuringiensis* strains for cytotoxicity against human cancer cell lines", *Journal of Environmental Biology*, vol. 39, no. 6, pp. 958-965, 2018.
- A5.** Çatav Ş. S., Genç T. O., Kesik Oktay M., Kkakyüz K., "Effect of Boron Toxicity on Oxidative Stress and Genotoxicity in Wheat (*Triticum aestivum* L.)", *Bulletin of Environmental Contamination and Toxicology*, vol. 100, no. 4, pp. 502-508, 2018.

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

- B1.** Kesik Oktay M., Şahin B., Güneş H., Doğal Bt izolatından elde edilen parasporal proteinin PC-3 hücreleri üzerinde sitotoksik ve hücre göçünü inhibe edici etkilerinin incelenmesi, In: *8th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2025)*, Türkiye, 2025, pp. 596-601.
- B2.** Kesik Oktay M., Şahin B., Güneş H., *Bacillus thuringiensis* parasporal proteinlerinin çeşitli kanser hücre hatları üzerinde sitotoksik aktivitelerinin araştırılması, In: *8th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2025)*, Türkiye, 2025, pp. 570-575.
- B3.** Kesik Oktay M., Güneş H., Investigation of parasporin gene contents of native *Bacillus thuringiensis* strains, In: *1st International EurasianConference on Biological and Chemical Sciences*, Türkiye, 2018.
- B4.** Kesik Oktay M., Çatav Ş. S., Genç T. O., Küçükakyüz K., Ameliorative Effect of Karrikinolide (KAR1) Against Boron-Induced Oxidative Stress and Genotoxicity in Wheat (*Triticum aestivum* L.), In: *International Eurasian Conference on Biological and*

Chemical Sciences, Ankara, Türkiye, 2018.

B5. Şahin B., Kesik Oktay M., Güneş H., Vegetative Insecticidal Proteins of *Bacillus thuringiensis* in Biological Control, In: *3 rd ASM International Congress of Agriculture and Environment*, Antalya, Türkiye, 2017, pp. 41.

B6. Şahin B., Kesik Oktay M., Güneş H., Isolation and characterization of native *Bacillus thuringiensis* strains from pomegranate areas in Turkey, In: *3 rd ASM International Congress of Agriculture and Environment*, Antalya, Türkiye, 2017, pp. 40.

B7. Kesik Oktay M., Güneş H., Kiraz topraklarından *Bacillus thuringiensis* izolasyonu ve karakterizasyonu / Isolation and characterization of native *Bacillus thuringiensis* strains from cherry areas, In: *XIII. Uluslararası Katılımlı Ekoloji ve Çevre Kongresi*, Türkiye, 2017.

B8. Kesik Oktay M., Çatav Ş. S., Genç T. O., Küçükakyüz K., Bor Toksisitesinin Buğdayda (*Triticum aestivum* L.) Oksidatif Stres ve Genotoksite Üzerine Etkisi/). Effect of Boron Toxicity on Oxidative Stress and Genotoxicity in Wheat (*Triticum aestivum* L.), In: *XIII. Congress of Ecology and Environment With International Participation*, Edirne, Türkiye, 2017, pp. 473.

B9. Kesik Oktay M., Şahin B., Güneş H., A Preliminary Study on Cytotoxic Activity of Natural *Bacillus thuringiensis* Isolates from BoronRelated Habitats, In: *2. International congress on Applied Biological Sciences*, Bosnia and Herzegovina, 2016.

B10. Poyraz B., Kesik Oktay M., Alper M., Güneş H., Biodiversity of *Bacillus thuringiensis* Isolates from different habitats in Turkey, In: *The International Symposium on Euroasian Biodiversity (SEAB 2016)*, Antalya, Türkiye, 2016, pp. 378.

B11. Kesik Oktay M., Güneş H., Phylogenetic analysis of the *Bacillus cereus* group of bacteria, In: *9. International Symposium on Health Informatics and Bioinformatics*, Türkiye, 2015.

B12. Fulya Ç., Kesik Oktay M., Tül B., Güneş H., Bazı Bitki Özütlerinin Antimikrobiyal ve Antikanser Aktivitelerinin Araştırılması, In: *3. Molecular Biology and Biotechnology Conference*, Türkiye, 2014.

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

C2. Chapters in national/international books written:

C2.1. Kesik Oktay M., "Electrochemical glucose biosensors based on microbial whole cells.", *Electrochemistry*, RSC, 2024.

C2.2. Kesik Oktay M., "PATOLOJİ ALANINDA YENİ NESİL TEKNOLOJİ UYGULAMALARI", *SAĞLIK & BİLİM 2023: Yeni Nesil Teknolojiler*, EFE AKADEMİ YAYINLARI, İstanbul, 2023.

C2.3. Kesik Oktay M., "KANSER TEDAVİSİNDE YENİ NESİL TEKNOLOJİ UYGULAMALARI", *SAĞLIK & BİLİM 2023: Yeni Nesil Teknolojiler*, EFE AKADEMİ YAYINLARI, İstanbul, 2023.

D. Articles published in national peer-reviewed journals:

D1. Kesik Oktay M., Güneş H., "DOĞAL BİR ANTİ-KANSER PROTEİN OLAN PARASPORİNLER", *Anadolu Üniversitesi Bilim ve Teknoloji Dergisi C- Yaşam Bilimleri ve Biyoteknoloji*, vol. 6, no. 2, pp. 92-102, 2017.

D2. Güneş H., Kesik Oktay M., Çelebi F., Tül B., "Screening of antimicrobial and anticancer potentials of some plant extracts from Mugla province", *Journal of Applied Biological Sciences*, 2014.

D3. Güneş H., Kesik Oktay M., Çelebi F., Tül B., "Screening of Antimicrobial and Anticancer Potentials of Some Plant Extracts from MuglaProvince", *journal of applied biological sciences*, vol. 8, no. 2, pp. 16-21, 2014.

E. Papers presented at national scientific meetings and published in proceedings:

E1. Kesik Oktay M., Güneş H., *Bacillus cereus* GRUBU BAKTERİLERİN BİYOÇEŞİTLİLİĞİ, In: *XII. ULUSAL EKOLOJİ VE ÇEVRE KONGRESİ*, Türkiye, 2015.

E2. Çelebi F., Kesik Oktay M., Tül B., Güneş F., Güneş H., Endemik *Lathyrus* Türlerinin Antimikrobiyal Ve Antitümör Aktiviteleri, In: *22. Ulusal Biyoloji Kongresi*, Türkiye, 2014.

E3. Kesik Oktay M., Tül B., Şahin B., Güneş H., Doğal *Bacillus thuringiensis* suşlarının cyt gen profillerinin belirlenmesi ve kanser hücreleri üzerindeki etkilerinin araştırılması, In: *XIII. Ulusal Tıbbi Biyoloji ve Genetik Kongresi*, Türkiye, 2013.