

## **Asst. Prof. FATİH SEZER**

### **Personal Information**

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### **International Researcher IDs**

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**Yoksis Researcher ID:** 317352

### **Education Information**

Doctorate, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Biyoloji Bölümü, Turkey 2010 - 2015  
Postgraduate, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Biyoloji Bölümü, Turkey 2008 - 2010  
Undergraduate, Canakkale Onsekiz Mart University, Fen Fakültesi, Biyoloji Bölümü, Turkey 2004 - 2008

### **Foreign Languages**

English, C1 Advanced

### **Dissertations**

Doctorate, Zeytin (*Olea europaea* L.) tokoferol biyosentezinde rol alan genlerin karakterizasyonu, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Biyoloji Bölümü, 2015  
Postgraduate, Apomikt Boechera holboellii (hornem.) A. Löve ve D. Löve türünde DYAD gen ortoloğunun karakterizasyonu, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Biyoloji Bölümü, 2010

### **Research Areas**

Life Sciences, Biotechnology, Plant Biotechnology, Molecular Biology and Genetics, Plant Molecular Genetics, Natural Sciences

### **Academic Titles / Tasks**

Assistant Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2020 - Continues

### **Academic and Administrative Experience**

Assistant Manager of Research and Application Center, Canakkale Onsekiz Mart University, -----, 2023  
- Continues  
Deputy Head of Department, Canakkale Onsekiz Mart University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2020 - Continues

## Courses

### Postgraduate

Plant Metabolic Engineering, Postgraduate, 2021 - 2022

### Undergraduate

Plant Molecular Biology, Undergraduate, 2021 - 2022

Genetik Mühendisliği, Undergraduate, 2021 - 2022

Epigenetics, Undergraduate, 2021 - 2022

Genetics, Undergraduate, 2021 - 2022

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis of SMZ derivatives and investigation of effects on germination, root, and plant growth of *Arabidopsis thaliana* L.**  
Güngör T., Cömert Önder F., Sezer F., Özbilen A., Taşkin K. M., Ay M.  
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.4, pp.1123-1140, 2019 (SCI-Expanded)
- II. **Identification of reference genes for real-time quantitative polymerase chain reaction based gene expression studies on various Olive (*Olea europaea* L.) tissues**  
Hurkan K., SEZER F., ÖZBİLEN A., TAŞKIN K. M.  
JOURNAL OF HORTICULTURAL SCIENCE & BIOTECHNOLOGY, vol.93, no.6, pp.644-651, 2018 (SCI-Expanded)
- III. **Structure and expression of dna methyltransferase genes from apomictic and sexual *Boechera* species**  
Taskin K. M., ÖZBİLEN A., SEZER F., HURKAN K., GUNES S.  
COMPUTATIONAL BIOLOGY AND CHEMISTRY, vol.67, pp.15-21, 2017 (SCI-Expanded)
- IV. **Molecular characterization of tocopherol biosynthesis genes from *Olea europaea* (L.) cv. Ayvalik**  
SEZER F., Taskin K. M.  
TURKISH JOURNAL OF BOTANY, vol.41, no.6, pp.559-569, 2017 (SCI-Expanded)
- V. **Genome-wide identification and expression analysis of SWI1 genes in *Boechera* species**  
SEZER F., Yuzbasioglu G., ÖZBİLEN A., TAŞKIN K. M.  
COMPUTATIONAL BIOLOGY AND CHEMISTRY, vol.62, pp.75-81, 2016 (SCI-Expanded)
- VI. **Determination of the expression levels of DNA methyltransferase genes during a highly efficient regeneration system via shoot organogenesis in the diploid apomict *Boechera divaricarpa***  
Taşkin K. M., Özbilen A., Sezer F., Çördük N., Erden D.  
PLANT CELL TISSUE AND ORGAN CULTURE, vol.121, no.2, pp.335-343, 2015 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Identification and Expression Profiling of LEA Gene Family in Olive (*Olea europaea* L.)**  
Sezer F.  
ÇOMÜ ZIRAAT FAKÜLTESİ DERGİSİ, vol.12, no.2, pp.294-305, 2024 (Peer-Reviewed Journal)

## Papers Published in Refereed Scientific Meetings

- I. **THE STRIGOLACTONE AND KARRIKIN SIGNALING PATHWAYS IN PRUNUS SPECIES; AN IN SILICO ANALYSIS OF THE D14 A/B HYDROLASE PROTEIN FAMILY, DWARF14 (D14) AND KARRIKIN INSENSITIVE2 (KAI2) GENES**  
SEZER F., ÖZBİLEN A., Sapmaz U., TAŞKIN K. M.  
6th International Congress of the Molecular Biology Association of Turkey, İzmir, Turkey, 5 - 08 September 2018, pp.127
- II. **Zeytin (*Olea europaea* L.) Dokularında Real-Time Kantitatif Polimeraz Zincir Reaksiyonu Temelli Gen**

- Anlatım Çalışmalarında Kullanılmak Üzere Referans Genlerin Belirlenmesi**  
HÜRKAN K., SEZER F., ÖZBİLEN A., TAŞKIN K. M.  
VI. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Adana, Turkey, 5 - 07 October 2017
- III. Zeytin (*Olea europaea L.*) Çelik Köklenmesi ve *In Vitro* Tohum Çimlenmesi Üzerine Strigolaktonların Etkileri**  
ÖZBİLEN A., SEZER F., HÜRKAN K., TAŞKIN K. M.  
VI. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Adana, Turkey, 5 - 07 October 2017
- IV. Expression analysis of the genes involved in strigolactone biosynthesis in olive**  
TAŞKIN K. M., ÖZBİLEN A., SEZER F., Hürkan K.  
2nd International Congress on Strigolactones, Torino, Italy, 27 - 30 March 2017, pp.98
- V. Charecterization of Gamma Tocopherol Methyltransferase Gene from Olive (*Olea europea L.*)**  
SEZER F., TAŞKIN K. M.  
International Workshop on Green Biotechnology, Kocaeli, Turkey, 21 - 23 September 2015, pp.59
- VI. In Silico Analyses of Methyltransferase Genes in Apomict and Sexual *Boechera* Species**  
TAŞKIN K. M., GÜNEŞ Ş., SEZER F.  
III. International Workshop on Translational Bioinformatics and Medical Informatics, İzmir, Turkey, 21 - 23 May 2014, vol.-, pp.12
- VII. Isolation And Characterization Of Dyad Gene Orthologs From *Boechera* Species**  
SEZER F., Nişli G., TAŞKIN K. M.  
European Frontiers of Plant Reproduction Research, Oslo, Norway, 2 - 04 October 2012, pp.70
- VIII. Bioinformatic Identification of Conserved MicroRNAs and Target Genes in Flax (*Linum usitatissimum*) EST Databases**  
Sezer F., Özbilen A., Güneş Ş., Özcan N., Türe D., Konuk E., Taşkin K. M.,  
21. Ulusal Biyoloji Kongresi (Uluslararası Katılımlı), İzmir, Turkey, 1 - 04 September 2012, pp.722-723

## Supported Projects

- SEZER F., Dehmen İ., Project Supported by Higher Education Institutions, Different Stress Factors' Effect on NGlycan Profiling of *Cicer Arietinum L.*, 2023 - Continues
- SEZER F., Yarikkaya A., Project Supported by Higher Education Institutions, Zeytin HB24 geninin karakterizasyonu ve Fonksiyonel Analizi, 2022 - Continues
- Taşkin K. M., Sezer F., Özbilen A., TÜBİTAK International Bilateral Joint Cooperation Program Project, *Boechera* Genusu Üyelerinde Apomixis İlişkili Genlerin Filogenetik ve Fonksiyonel Analizi, 2020 - 2023
- Taşkin K. M., TUBITAK Project, Zeytin (*Olea Europaea L.*) Fitosterol Biyosentezini Kontrol Eden Moleküler Mekanizmaların Ve İçeriklerinin Karşılaştırılmalı Olarak Araştırılması, 2018 - 2021
- Taşkin K. M., TÜBİTAK - AB COST Project, Zeytin (*Olea Europaea L.*) Strigolakton Biyosentezine Katılan Genlerin Belirlenmesi Ve Bitki Büyüme Düzenleyicisi Olarak Etkilerinin İncelenmesi, 2016 - 2019
- Özbilen A., Taşkin K. M., TUBITAK Project, Zeytinde E Vitaminini Biyosentez Genlerinin Moleküler Karakterizasyonu, 2014 - 2014

## Metrics

- Publication: 21  
Citation (WoS): 23  
Citation (Scopus): 30  
H-Index (WoS): 3  
H-Index (Scopus): 3

## **Scholarships**

2211-C Öncelikli Alanlara Yönelik Yurt İçi Doktora Burs Programı, TUBITAK, 2013 - 2015