

Asst. Prof. FATİH SEZER

Personal Information

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International Researcher IDs

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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

Plant Molecular Biology, Undergraduate, 2021 - 2022
Genetik Mühendisliği, Undergraduate, 2021 - 2022
Plant Metabolic Engineering, Postgraduate, 2021 - 2022
Epigenetics, Undergraduate, 2021 - 2022
Genetics, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Identification and expression of strigolactone biosynthesis and signaling genes and the in vitro effects of strigolactones in olive (*Olea europaea* L.)**
ÖZBİLEN A., SEZER F., TAŞKIN K. M.
PLANT DIRECT, vol.8, no.2, 2024 (SCI-Expanded)
- II. **Phylogenetic and Expression Analysis of *CENH3* and *APOLLO* Genes in Sexual and Apomictic *Boechera* Species**
Bakin E., SEZER F., ÖZBİLEN A., Kilic I., Uner B., Rayko M., TAŞKIN K. M., Brukhin V.
PLANTS-BASEL, vol.11, no.3, 2022 (SCI-Expanded)
- III. **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., Taşkın K. M., Ay M.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.4, pp.1123-1140, 2019 (SCI-Expanded)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **Determination of the expression levels of DNA methyltransferase genes during a highly efficient regeneration system via shoot organogenesis in the diploid apomict *Boechera divaricarpa***
Taşkın 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. **Improving the Adventitious Rooting Ability of Hard-to-Root Olive (*Olea europaea* L.) Cultivar Cuttings Through Inhibiting Strigolactone Biosynthesis**
Özbilen A., Sezer F., Taşkın K. M.
Frontiers in Life Sciences and Related Technologies (Online), vol.3, no.3, pp.135-137, 2022 (Peer-Reviewed Journal)
- II. **In-Silico Analysis of SCARECROW Genes in Olive (*Olea europaea* L.)**
SEZER F.
International Journal of Innovative Approaches in Science Research, vol.3, no.1, pp.1-8, 2019 (Peer-Reviewed)

Refereed Congress / Symposium Publications in Proceedings

- 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 İn 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., Taşkın 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., Yarıkaya A., Project Supported by Higher Education Institutions, Zeytin HB24 geninin karakterizasyonu ve Fonksiyonel Analizi, 2022 - Continues
- Taşkın 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
- Taşkın K. M., TUBİTAK Project, Zeytin (Olea Europaea L.) Fitosterol Biyosentezini Kontrol Eden Moleküler Mekanizmaların Ve İçeriklerinin Karşılaştırılmalı Olarak Araştırılması, 2018 - 2021
- Taşkın K. M., TÜBİTAK - AB COST Project, Zeytin (Olea Europaea L.) Strigolakton Biyosentezine Katılan Genlerin Belirlenmesi Ve BitkiBüyüme Düzenleyicisi Olarak Etkilerinin İncelenmesi, 2016 - 2019
- Özbilen A., Taşkın K. M., TUBİTAK Project, Zeytinde E Vitamini Biyosentez Genlerinin Moleküler Karakterizasyonu, 2014 -

2014

Metrics

Publication: 19

Citation (WoS): 23

Citation (Scopus): 29

H-Index (WoS): 3

H-Index (Scopus): 3

Scholarships

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