

Asst. Prof. SABER DELPASAND KHABBAZI

Personal Information

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International Researcher IDs

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Education Information

Post Doctorate, Karadeniz Technical University, Fen Fakültesi, Biyoloji, Turkey 2020 - 2022

Post Doctorate, Ankara University, Biyoteknoloji Enstitüsü, Turkey 2017 - 2019

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Turkey 2012 - 2017

Postgraduate, Tabriz University, Agriculture, Agricultural Biotechnology, Iran 2008 - 2011

Undergraduate, Tabriz University, Agriculture, Agronomy and Plant Breeding, Iran 2003 - 2007

Foreign Languages

Persian, C2 Mastery

English, C1 Advanced

Azerbaijani, C2 Mastery

Turkish, C2 Mastery

Certificates, Courses and Trainings

Foreign Language, TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES , Global Language Training, London, England., 2019

Dissertations

Doctorate, Transformation of Cotton with GNA and Cry1Ac Genes for Insect-Resistance, Ankara University, 2017

Postgraduate, Preparing RNAi construct for fad2 and fatB gene fragments of Brassica napus and Agrobacterium transformation, Tabriz University, 2011

Research Areas

Agriculture, Biotechnology and Genetics, Genetic Engineering, Plant Tissue Culture, Plant Biotechnology

Academic Titles / Tasks

Assistant Professor, Yozgat Bozok University, Institute of Hemp Research, -, 2023 - Continues
Researcher, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 2020 - 2022
Researcher, Ankara University, Biyoteknoloji Enstitüsü, Biyoteknoloji Anabilim Dalı, 2017 - 2019

Courses

Postgraduate

Production of Hemp under In Vitro Conditions, Postgraduate, 2024 - 2025

Undergraduate

VETERINARY INTERNSHIP PROGRAM (Genetics), Undergraduate, 2025 - 2026

TRANSGENIC PLANT TECHNOLOGY, Undergraduate, 2024 - 2025

Biotechnology, Undergraduate, 2024 - 2025

Transgenic Plant Technology, Undergraduate, 2023 - 2024

Biotechnology, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Immunogenicity and Protective Efficacy of Baculovirus-Expressed SARS-CoV-2 Envelope Protein in Mice as a Universal Vaccine Candidate**
OĞUZOĞLU T. Ç., Hanifehnezhad A., DELPASAND KHABBAZI S., KARAYEL HACIOĞLU İ., Kaynarcalıdan O., Fırat Z., Filazi N., Erdem-Şahinkesen E., Gül B., KARABULUT M. C., et al.
Vaccines, vol.12, no.9, 2024 (SCI-Expanded)
- II. **Assessment of drought stress responsive genes expression profiles and proline accumulation in a diverse set of grapevine rootstocks**
Yüksel Özmen C., Yılmaz Baydu F., Hasanzadeh M., Öktem M., Babaoğlu G., Kibar U., DELPASAND KHABBAZI S., Kazan K., ERGÜL A.
Turkish Journal of Agriculture and Forestry, vol.47, no.3, pp.319-334, 2023 (SCI-Expanded)
- III. **Genome composition analysis of multipartite BNYVV reveals the occurrence of genetic re-assortment in the isolates of Asia Minor and Thrace**
Yüksel Özmen C., DELPASAND KHABBAZI S., Khabbazi A. D., Gürel S., Kaya R., Oğuz M. Ç., Turan F., Rezaei F., Kibar U., Gürel E., et al.
Scientific Reports, vol.10, no.1, 2020 (SCI-Expanded)
- IV. **Improvement of the in vitro regeneration and agrobacterium-mediated genetic transformation of medicago sativa L.**
Nofouzi F., Oğuz M. Ç., DELPASAND KHABBAZI S., ERGÜL A.
Turkish Journal of Agriculture and Forestry, vol.43, no.1, pp.96-104, 2019 (SCI-Expanded)
- V. **Expression of GNA and biting site-restricted cry1Ac in cotton; an efficient attribution to insect pest management strategies**
DELPASAND KHABBAZI S., Khabbazi A. D., Özcan S. F., Bakhsh A., BAŞALMA D., ÖZCAN S.
Plant Biotechnology Reports, vol.12, no.4, pp.273-282, 2018 (SCI-Expanded)
- VI. **In vitro multiplication of wild relatives in genus Beta conserves the invaluable threatened germplasms**
ERGÜL A., DELPASAND KHABBAZI S., Oğuz M., Özmen C., Gürel S., Gürel E.
Plant Cell, Tissue and Organ Culture, vol.134, no.1, pp.169-175, 2018 (SCI-Expanded)
- VII. **PRECONDITIONING EFFECT OF BAP ON IN VITRO MULTIPLICATION OF MATURE EMBRYO OF LENTIL (LENS CULINARIS MEDIK.)**
Delpasand Khabbazi S., Barpete S., Sancak C., Özcan S.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.1-A, pp.919-925, 2017 (SCI-Expanded)
- VIII. **Towards better insect management strategy: restriction of insecticidal gene expression to biting**

sites in transgenic cotton

Anayol E., Bakhsh A., Karakoç Ö. C., Onarıcı S., Köm D., Aasim M., Özcan S. F., Barpete S., DELPASAND KHABBAZI S., Önol B., et al.

Plant Biotechnology Reports, vol.10, no.2, pp.83-94, 2016 (SCI-Expanded)

IX. Molecular characterization of snowdrop lectin (GNA) and its comparison with reported lectin sequences of amaryllidaceae

DELPASAND KHABBAZI S., Bakhsh A., SANCAK C., ÖZCAN S.

Czech Journal of Genetics and Plant Breeding, vol.52, no.3, pp.94-100, 2016 (SCI-Expanded)

X. Development of insect-resistant cotton lines with targeted expression of insecticidal gene

Bakhsh A., Anayol E., DELPASAND KHABBAZI S., Karakoç Ö. C., SANCAK C., ÖZCAN S.

Archives of Biological Sciences, vol.68, no.4, pp.773-780, 2016 (SCI-Expanded)

XI. Insect-resistant transgenic crops: Retrospect and challenges

Bakhsh A., DELPASAND KHABBAZI S., Baloch F. S., Demirel U., Çalışkan M. E., HATİPOĞLU R., ÖZCAN S., ÖZKAN H.

Turkish Journal of Agriculture and Forestry, vol.39, no.4, pp.531-548, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **Extraction and molecular detection of viral dsRNA from different infected plants**
Delpasand Khabbazi A., Bashir N. S., Delpasand Khabbazi S., Ighani H.
Journal of Scientific Agriculture, vol.1, pp.197-203, 2017 (Peer-Reviewed Journal)
- II. **Molecular detection of Grapevine fanleaf Virus by the isolation of ssRNA and dsRNA from Xiphinema index**
Delpasand Khabbazi A., Bashir N. S., Asl E. Z., Delpasand Khabbazi S.
Journal of Scientific Agriculture, vol.1, pp.100-105, 2017 (Peer-Reviewed Journal)
- III. **Silencing the Key Genes Involved in Oleic Acid Biosynthetic Pathway of Oil Crops and Clean-Up of Contaminant**
Delpasand Khabbazi S.
Journal of Biosafety, vol.3, no.4, pp.81-94, 2010 (Peer-Reviewed Journal)

Books

- I. **Different Generations of Genetically Modified Crops for Insect Resistance**
DELPASAND KHABBAZI S., Delpasand Khabbazi A., YAMAN C.
in: Plant Resistance to Insects in Major Field Crops, Kumar, S., Furlong, M., Editor, Springer, Singapore, pp.279-299, 2024
- II. **KENEVİR BİTKİSİNDE İN VİTRO DOKU KÜLTÜRÜ ÇALIŞMALARI**
DELPASAND KHABBAZI S., YILMAZ G.
in: Bitki Biyoteknolojisinde Güncel Uygulamalar ve Değerlendirmeler, GÜNGÖR YILMAZ, TÜNAY KARAN, Editor, Livre de Lyon, Lyon, pp.61-77, 2023
- III. **ENDÜSTRİYEL KENEVİR (Cannabis sativa L.) BİTKİSİ ZARARLILARI VE MODERN BİYOTEKNOLOJİK YAKLAŞIMLAR**
DELPASAND KHABBAZI S., PEKBEY G.
in: TARIM BİLİMLERİ ALANINDA MULTİDİSİPLİNER GÜNCEL ÇALIŞMALAR III, Kübra Yazıcı, Hülya Doğan, Editor, İksad publishing house, Ankara, pp.49-90, 2023
- IV. **CRISPR/Cas9 System, an Efficient Approach to Genome Editing of Plants for Crop Improvement**
Delpasand Khabbazi S., Delpasand Khabbazi A., Cevik V., Ergül A.
in: RNA-Based Technologies for Functional Genomics in Plants, Guiliang Tang, Sachin Teotia, Xiaoqing Tang, Deepali Singh, Editor, Springer Nature, Chur, pp.369-391, 2021
- V. **Genetic engineering of horticultural crops contributes to the improvement of crop nutritional**

quality and shelf life

Delpasand Khabbazi S., Delpasand Khabbazi A., Cevik V., Ergül A.

in: Transgenic Technology Based Value Addition in Plant Biotechnology, Usha Kiran, Malik Zainul Abidin, Kamaluddin, Editor, Elsevier Science, Oxford/Amsterdam, London, pp.247-272, 2020

VI. Synthetic seeds of wild beet: basic concepts and related methodologies

Delpasand Khabbazi S., Yüksel Özmen C., Ergül A.

in: Synthetic Seeds Germplasm Regeneration, Preservation and Prospects, Mohammad Faisal, Abdulrahman A. Alatar, Editor, Springer Nature, Zug, pp.377-396, 2019

VII. Improvement of Viral dsRNA Isolation from Infected Plants and Vector Nematodes

Delpasand Khabbazi A., Delpasand Khabbazi S.

LAP Lambert Academic Publishing, Beau Bassin-Rose Hill, 2017

Supported Projects

DELPASAND KHABBAZI S., DELPASAND KHABBAZI A., YAMAN C., YILMAZ G., Project Supported by Higher Education Institutions, Kenevirin in vitro koşullarda mikroçoğaltımına bazı bitki büyüme düzenleyicilerin etkileri, 2023 - Continues

Delpasand Khabbazi S., Delpasand Khabbazi A., Yılmaz G., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Elucidating virus-host molecular interactions in industrial hemp plants, 2024 - 2026

Delpasand Khabbazi S., Project Supported by Higher Education Institutions, Biological Control of Cotton Bollworm Pest (*Heliothis peltigera*) with RNA Interference Technology, 2022 - 2024

Delpasand Khabbazi S., Project Supported by Higher Education Institutions, - Illuminating the microbiome of cherry fruit fly and determining potential entomopathogenic microbiome members for cherry fruit fly control, 2021 - 2024

TUBITAK Project, Production of Sars Coronavirus-2 Envelope Gene Region in Baculovirus Expression System and Control of Immune Response, 2021 - 2023

TUBITAK Project, Identification of Host Cell Proteins Phosphorylated by Amsacta moorei Entomopoxvirus (AMEV) Protein Kinase (AMV197), 2020 - 2023

Delpasand Khabbazi S., TUBITAK Project, Exploiting the Arabidopsis thaliana miR858 towards cyst nematode (*Heterodera schachtii* Schm.) resistance study in sugar beet (*Beta vulgaris* L.), 2018 - 2019

Patent

Delpasand Khabbazi S., SARS Coronavirus-2 Envelope (Coat) Protein Produced in the Baculovirus Expression System, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2023/008078, Standard Registration, 2023

Tasks In Event Organizations

Delpasand Khabbazi S., Workshop on Hemp Production and Biotechnology with a Focus on Regional Development and Specialization <https://kenevirclistayi.bozok.edu.tr/Home>, Workshop Organization, Yozgat, Turkey, Haziran 2025

Scientific Research / Working Group Memberships

Cost S22157 - Reproductive Enhancement Of Crop Resilience To Extreme Climate (Recrop), Goethe University, Germany, <https://www.cost.eu/actions/CA22157/#tabs+Name:Description>, 2023 - Continues

Cost 22134 - Sustainable Network For Agrofood Loss And Waste Prevention, Management, Quantification And Valorisation (Foodwastop), Università Politecnica delle Marche, Italy, <https://www.cost.eu/actions/CA22134/#tabs+Name:Description>, 2023 - Continues

Metrics

Publication: 26

Citation (Scopus): 94

H-Index (WoS): 3

H-Index (Scopus): 5

Invited Talks

Industrial Hemp (*Cannabis sativa* L.) Plant Pests and Modern Biotechnological Approaches, Seminar, Yozgat Bozok Üniversitesi, Turkey, December 2024

Bitkilerde Transgenik Çeşit Geliştirme Uygulamaları, Seminar, Yozgat Bozok Üniversitesi, Turkey, May 2023

Molecular Biology and Genetics Approaches to Plants and Biotic Stress Factors, Seminar, İstanbul Kültür Üniversitesi, Turkey, March 2022

Scholarships

TÜBİTAK 1200563 No Proje, TÜBİTAK, 2021 - 2022

TÜBİTAK 119Z324 No Proje , TÜBİTAK, 2020 - 2021

TÜBİTAK-BİDEB no 2216 Uluslararası Doktora Sonrası Araştırmacılar İçin Araştırma Bursu, TÜBİTAK, 2018 - 2019

TÜBİTAK-BİDEB no 2215 Yabancı Uyruklular İçin Doktora Bursu , TÜBİTAK, 2013 - 2016

Artistic Activity

Delpasand Khabbazi S., Cumhuriyetin 100. Yılı Konseri, Turkish Classical Music, December 2023