

Prof. Sevgi MARAKLI

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International Researcher IDs

ScholarID: [_S69sRgAAAAJ](#)

ORCID: [0000-0001-5796-7819](#)

Publons / Web Of Science ResearcherID: [Y-9198-2018](#)

ScopusID: [55542186700](#)

Yoksis Researcher ID: [57112](#)

Education Information

Doctorate, Istanbul University, Faculty Of Science, Moleküler Biyoloji Ve Genetik Bölümü, Turkey 2012 - 2016

Postgraduate, Istanbul University, Faculty Of Science, Moleküler Biyoloji Ve Genetik Bölümü, Turkey 2010 - 2012

Undergraduate, Bolu Abant İzzet Baysal University, Faculty Of Arts And Sciences, Turkey 2004 - 2009

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Data Analysis, Uygulamalı Temel Biyoinformatik Kursu, Biyomit Arge Yazılım Sanayi ve Ticaret Limited Şirketi, 2023

Data Analysis, Bioinformatics applications to support the analysis of plant biotechnological research, , National Institute of Agricultural Innovation and ICGEB (International Centre For Genetic Engineering and Biotechnology), 2019

Data Analysis, Uygulamalı İstatistik Eğitimi , Amasya University, 2018

Data Analysis, Uygulamalı Biyoinformatik Çalıştayı, Amasya University, 2017

Data Analysis, Bioinformatics: Computer methods in molecular and systems biology, ICGEB (International Centre For Genetic Engineering and Biotechnology), 2015

Vocational Training, 3. Flow Sitometri ve Tarımsal Araştırmalarda Kullanımı, Tekirdağ Namık Kemal Üniversitesi, 2015

Vocational Training, 1. Florasan İn Situ Hibridizasyon Tekniği ve Bitkilerde Kullanım Alanları, Tekirdağ Namık Kemal Üniversitesi, 2014

Dissertations

Doctorate, Effect of homobrassinolide on barley (*Hordeum vulgare* L.) plants grown under salt stress, Istanbul University, Institute Of Graduate Studies In Sciences, Fen Fakültesi Bölümü, 2016

Postgraduate, Transposon and chromosome analysis on barley (*Hordeum vulgare* L.) culture varieties, Istanbul

University, Institute Of Graduate Studies In Sciences, Fen Fakültesi Bölümü, 2012

Research Areas

Plant Biology, Bioinformatics, Biotechnology, Molecular Biology and Genetics

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Molecular Biology And Genetics, 2024 - Continues

Associate Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Molecular Biology And Genetics, 2021 - 2024

Associate Professor, Amasya University, Sabuncuoğlu Şerefeddin Health Services Vocational School, Department Of Medical Services And Techniques, 2019 - 2021

Assistant Professor, Amasya University, Sabuncuoğlu Şerefeddin Health Services Vocational School, Department Of Medical Services And Techniques, 2018 - 2019

Research Assistant PhD, Amasya University, Faculty Of Arts And Sciences, Department Of Biology, 2016 - 2018

Research Assistant, Istanbul University, Institute Of Graduate Studies In Sciences, Fen Fakültesi Bölümü, 2011 - 2016

Research Assistant, Amasya University, Faculty Of Arts And Sciences, Department Of Biology, 2011 - 2011

Academic and Administrative Experience

Program Coordinator, Yildiz Technical University, Faculty Of Arts & Science, Department Of Molecular Biology And Genetics, 2025 - Continues

Erasmus Program Department Coordinator, Yildiz Technical University, Faculty Of Arts & Science, Department Of Molecular Biology And Genetics, 2023 - Continues

Department Academic Incentive Evaluation Commission Member, Yildiz Technical University, Faculty Of Arts & Science, Department Of Molecular Biology And Genetics, 2023 - 2025

Manager of Research and Application Center, Amasya University, Central Research Application Laboratory Application And Research Center, 2019 - 2021

Bologna Koordinatörü, Amasya University, Institute Of Science, Department Of Biotechnology (Interdisciplinary), 2019 - 2021

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Amasya University, Central Research Application Laboratory Application And Research Center, Merkezi Araştırma Uygulama Laboratuvarı Uygulama Ve Araştırma Merkezi, 2018 - 2021

Assistant Manager of Research and Application Center, Amasya University, Central Research Application Laboratory Application And Research Center, Amasya University Central Research Laboratory, 2018 - 2019

Courses

Doctorate

RNA Dünyası, Doctorate, 2023 - 2024, 2022 - 2023

Postgraduate

DNA Fingerprinting, Postgraduate, 2023 - 2024, 2020 - 2021, 2019 - 2020

DNA parmakizi, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023

Biotechnological Methods Used in Plant Breeding, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Bioinformatics, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Biotechnology Basic Concepts, Postgraduate, 2018 - 2019

Undergraduate

Population Genetics, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022
Plant Molecular Biology, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022
Techniques in Biological Research, Undergraduate, 2023 - 2024
Kromozom Biyolojisi, Undergraduate, 2023 - 2024, 2022 - 2023
Enzymology, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Cytogenetics, Undergraduate, 2024 - 2025
Developmental Biology, Undergraduate, 2022 - 2023, 2021 - 2022
General Biology 2, Undergraduate, 2022 - 2023, 2021 - 2022
Bitirme Çalışması, Undergraduate, 2022 - 2023, 2021 - 2022
Genel Biyoloji 1, Undergraduate, 2022 - 2023
Genetics 2, Undergraduate, 2021 - 2022

Associate Degree

Molecular Biological Methods, Associate Degree, 2020 - 2021, 2019 - 2020, 2018 - 2019
The Usage of Basic Information , Associate Degree, 2020 - 2021, 2019 - 2020, 2018 - 2019
Histology and Embryology, Associate Degree, 2019 - 2020, 2018 - 2019
Biostatistics, Associate Degree, 2018 - 2019
Moleküler Genetik Laboratuvarı, Associate Degree, 2017 - 2018

Supervised Theses

Maraklı S., Tibbi önemi olan bitkilerin sekonder metabolitlerinde miRNA'ların düzenleyici rollerinin belirlenmesi, Postgraduate, P.YİĞİT(Student), 2024
Maraklı S., Marul mozaik virüsü, marul nekrotik bodurluk virüsü ve marul nekrotik sarılık virüsü'nü hedefleyen miRNA'ların in silico yaklaşımlarla belirlenmesi, Postgraduate, E.ÖZKESER(Student), 2024
Kaya Y., Maraklı S., Semenov köknar (abies semenovii) genotiplerinde transpozon hareketlerinin belirlenmesi, Postgraduate, B.AKMATOVA(Student), 2023
Mercan L., Maraklı S., Artlı ve Karayaka kuzularında besinin 30. ve 60. günlerindeki bazı bitki kökenli retrotranspozonların IRAP ve REMAP yöntemleri ile moleküler analizi, Postgraduate, G.NUR(Student), 2023
Kaya Y., Maraklı S., Kırgızistanda yetişen endemik Fritillaria eduardii bitkilerinde ve Fritillaria cinsine ait diğer türlerde miRNA analizleri, Postgraduate, D.KİMSANALİEV(Student), 2022
Maraklı S., In silico determination of abiotic and biotic stress related miRNAs in ornamental plants, Postgraduate, S.BOZKURT(Student), 2021
Mercan L., Maraklı S., Retrotransposon analyses in honey bees (Apis mellifera L.), Postgraduate, C.Erdem(Student), 2020
Maraklı S., Örtüaltında farklı besin elementlerinin uygulanması ile yetiştirilen marul (Lactuca sativa L.) bitkilerinde fizyolojik ve moleküler analizler, Postgraduate, A.YAĞCI(Student), 2020
Kaya Y., Maraklı S., Determination of transposon movements in organically and conventionally produced tomato, Postgraduate, E.Kelil(Student), 2019

Jury Memberships

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, February, 2025
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, February, 2025
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, December, 2024
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2024
Post Graduate, Post Graduate, İstinye Üniversitesi, July, 2024
Post Graduate, Post Graduate, İstinye Üniversitesi, July, 2024
Post Graduate, Post Graduate, İstinye Üniversitesi, July, 2024
Post Graduate, Post Graduate, İstinye Üniversitesi, July, 2024

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, June, 2024
Doctoral Examination, Doctoral Examination, İstanbul Üniversitesi, January, 2024
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2023
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2023
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2023
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2023
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2023
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2023
Post Graduate, Post Graduate, İstanbul Üniversitesi, December, 2023
Doctorate, Doctorate, İstanbul Üniversitesi, July, 2023
Post Graduate, Post Graduate, Amasya Üniversitesi, June, 2023
Post Graduate, Post Graduate, İstanbul Üniversitesi, June, 2023
Post Graduate, Post Graduate, İstanbul Üniversitesi, May, 2023
Post Graduate, Post Graduate, İstanbul Üniversitesi, May, 2023
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, February, 2023
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, September, 2022
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, July, 2022
Doctoral Examination, Doctoral Examination, Ondokuz Mayıs Üniversitesi, June, 2022
Award, IamGenius Biyoteknolojik Fikirler Yarışması 2022, Amgen, May, 2022
Post Graduate, Post Graduate, Amasya Üniversitesi, December, 2021
Post Graduate, Post Graduate, İstanbul Üniversitesi, July, 2020
Post Graduate, Post Graduate, Ondokuz Mayıs Üniversitesi, June, 2019
Post Graduate, Post Graduate, Ondokuz Mayıs Üniversitesi, May, 2019
Doctorate, Doctorate, Ondokuz Mayıs Üniversitesi, May, 2019
Post Graduate, Post Graduate, Ondokuz Mayıs Üniversitesi, January, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **First report of fruit rot disease agent, Colletotrichum fioriniae, on Olea europea cv. Gemlik in Turkey**
Kor C. V., Caran L. E., Ceyhan D. I., Maraklı S.
JOURNAL OF PLANT PATHOLOGY, vol.1, pp.1-2, 2024 (SCI-Expanded)
- II. **Transferability of Nikita and Sukkula retrotransposons in domestic goose (Anser anser domesticus) genome**
Mercan L., Bülbül C. E., Bilgi F., MARAKLI S.
Journal of Genetics, vol.103, no.1, 2024 (SCI-Expanded)
- III. **ANALYSES of P-Tst-1, P-Tst-3 and P-Tst-6 RETROTRANSPOSONS IN CONVENTIONALLY AND ORGANICALLY PRODUCED TOMATOES**
Haji E., Abed M., Arvas Y. E., MARAKLI S., Kaya Y.
Journal of Animal and Plant Sciences, vol.33, no.5, pp.1043-1050, 2023 (SCI-Expanded)
- IV. **The effect of leaf blight disease of rice caused by Pantoea ananatis on Nikita, Osr30 and RIRE1 retrotransposons' movements**
Aksoy H. M., Boluk E., Kaya Y., Maraklı S.
JOURNAL OF PLANT PATHOLOGY, vol.1, no.1, pp.1-8, 2023 (SCI-Expanded)
- V. **The power of retrotransposons in high-throughput genotyping and sequencing**
Arvas Y. E., Maraklı S., Kaya Y., Kalendar R.
FRONTIERS IN PLANT SCIENCE, vol.14, no.1174339, pp.1-12, 2023 (SCI-Expanded)
- VI. **Investigation the effect of drought stress on tolerant and resistant rice (Oryza sativa L.) varieties in terms of morphologic and genetic characters**
Arvas Y. E., Yolci M. S., MARAKLI S.
GENETIC RESOURCES AND CROP EVOLUTION, vol.70, no.2, pp.427-436, 2023 (SCI-Expanded)

- VII. **Genetic diversity among queen bee, worker bees and larvae in terms of retrotransposon movements**
MERCAN L., Bulbul C. E., MARAKLI S.
GENETIC RESOURCES AND CROP EVOLUTION, vol.69, pp.1671-1683, 2022 (SCI-Expanded)
- VIII. **Determination of plant-specific retrotransposons in chicken**
MERCAN L., BÜLBÜL C. E., BİLGİ F., MARAKLI S.
Turkish Journal Of Veterinary & Animal Sciences, vol.46, pp.67-73, 2022 (SCI-Expanded)
- IX. **Antibacterial activity of Calendula officinalis and Echinacea purpurea extracts against the causal agent of tomatoes' bacterial canker: Clavibacter michiganensis subsp. michiganensis**
Aksoy H. M., Arslanoglu S. F., Edbeib M. F., Kaya Y., Marakli S.
BOLETIN LATINOAMERICANO Y DEL CARIBE DE PLANTAS MEDICINALES Y AROMATICAS, vol.20, no.5, pp.496-502, 2021 (SCI-Expanded)
- X. **Identification of Dalapon degrading bacterial strain, Psychrobacter sp. TaeBurcu001 isolated from Antarctica**
Kirkinci S. F., Edbeib M. F., Aksoy H. M., Marakli S., Kaya Y.
POLAR SCIENCE, vol.28, 2021 (SCI-Expanded)
- XI. **In silico determination of transposon-derived miRNAs and targets in Aegilops species**
Marakli S.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.38, no.10, pp.3098-3109, 2020 (SCI-Expanded)
- XII. **Determination of Barley-Specific Retrotransposons' Movements in Pinus nigra ssp. pallasiana Varieties: pyramidata and Seneriana**
Marakli S., Calis A., Gozukirmizi N.
RUSSIAN JOURNAL OF GENETICS, vol.55, no.1, pp.71-78, 2019 (SCI-Expanded)
- XIII. **Identification and functional analyses of new sesame miRNAs (Sesamum indicum L.) and their targets**
Marakli S.
MOLECULAR BIOLOGY REPORTS, vol.45, no.6, pp.2145-2155, 2018 (SCI-Expanded)
- XIV. **Two IncRNAs Expression Profiles in Salt Stressed Barley (Hordeum vulgare L.) Roots**
Karlík E., Marakli S., Gozukirmizi N.
CYTOLOGIA, vol.83, no.1, pp.37-43, 2018 (SCI-Expanded)
- XV. **Analyses of abiotic stress and brassinosteroid-related some genes in barley roots grown under salinity stress and HBR treatments: Expression profiles and phylogeny**
Marakli S., Gozukirmizi N.
PLANT BIOSYSTEMS, vol.152, no.3, pp.324-332, 2018 (SCI-Expanded)
- XVI. **Short-term mutagenicity test by using IRAP molecular marker in rice grown under herbicide treatment**
YILMAZ S., Marakli S., Yuzbasioglu G., Gozukirmizi N.
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.32, no.4, pp.923-928, 2018 (SCI-Expanded)
- XVII. **Sukkula retrotransposon movements in the human genome**
Cakmak B., Marakli S., Gozukirmizi N.
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.31, no.4, pp.756-760, 2017 (SCI-Expanded)
- XVIII. **ALLEVIATION OF COPPER STRESS WITH HOMOBRASSINOSTEROID IN GERMINATING SUNFLOWER ROOTS**
Burun K. B., Marakli S., Gozukirmizi N.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, no.11, pp.4872-4878, 2016 (SCI-Expanded)
- XIX. **Analysis of Hopi/Osr27 and Houba/Tos5/Osr13 retrotransposons in rice**
Yuzbasioglu G., YILMAZ S., Marakli S., Gozukirmizi N.
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.30, no.2, pp.213-218, 2016 (SCI-Expanded)
- XX. **SIRE1 retrotransposons in barley (Hordeum vulgare L.)**
Cakmak B., Marakli S., Gozukirmizi N.
RUSSIAN JOURNAL OF GENETICS, vol.51, no.7, pp.661-672, 2015 (SCI-Expanded)
- XXI. **Sukkula retrotransposon insertion polymorphisms in barley**

- Kartal-Alacam G., YILMAZ S., Marakli S., Gozukirmizi N.
 RUSSIAN JOURNAL OF PLANT PHYSIOLOGY, vol.61, no.6, pp.828-833, 2014 (SCI-Expanded)
- XXII. **Salt Stress and Homobrassinosteroid Interactions during Germination in Barley Roots**
 Marakli S., TEMEL A., Gozukirmizi N.
 NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.42, no.2, pp.446-452, 2014 (SCI-Expanded)
- XXIII. **BAGY2 Retrotransposon Analyses in Barley Calli Cultures and Regenerated Plantlets**
 YILMAZ S., Marakli S., Gozukirmizi N.
 BIOCHEMICAL GENETICS, vol.52, no.5-6, pp.233-244, 2014 (SCI-Expanded)
- XXIV. **Human endogenous retrovirus-H insertion screening**
 Guliyev M., YILMAZ S., Sahin K., Marakli S., Gozukirmizi N.
 MOLECULAR MEDICINE REPORTS, vol.7, no.4, pp.1305-1309, 2013 (SCI-Expanded)
- XXV. **HERBICIDE TOLERANCE GENES DERIVED FROM BACTERIA**
 Kaya Y., Marakli S., Gozikirmizi N., Mohamed E., Javed M. A., Huyop F.
 JOURNAL OF ANIMAL AND PLANT SCIENCES, vol.23, no.1, pp.85-91, 2013 (SCI-Expanded)
- XXVI. **Genetic and epigenetic effects of salinity on in vitro growth of barley**
 Demirkiran A., Marakli S., TEMEL A., Gozukirmizi N.
 GENETICS AND MOLECULAR BIOLOGY, vol.36, no.4, pp.566-570, 2013 (SCI-Expanded)
- XXVII. **BARE1 AND BAGY2 RETROTRANSPOSON MOVEMENTS AND EXPRESSION ANALYSES IN DEVELOPING BARLEY SEEDLINGS**
 Marakli S., YILMAZ S., Gozukirmizi N.
 BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.26, no.6, pp.3451-3456, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **In silico analyses of miRNAs that Target Odorant Binding and Chemosensory Proteins in Bemisia tabaci**
 Bal M., MARAKLI S.
 TURKISH JOURNAL OF AGRICULTURAL AND NATURAL SCIENCE, vol.13, no.3, pp.750-759, 2025 (Peer-Reviewed Journal)
- II. **Importance of miRNAs in Cancer Therapy and Therapeutic Delivery Approaches**
 GÜLTEKİN E. N., MARAKLI S.
 International Journal of Pioneering Technology and Engineering, vol.3, no.2, pp.31-36, 2024 (Peer-Reviewed Journal)
- III. **eDNA Provides A New Insight to Analyze Aquatic Fauna: A Comprehensive Review**
 Güneş S., Maraklı S.
 Eurasian Journal of Zoology, vol.1, no.1, pp.65-73, 2024 (Peer-Reviewed Journal)
- IV. **In silico determination of potential miRNAs encoded in wheat genome that target AvrSr35 in Puccinia graminis f. sp. tritici**
 Atakan A., Motorcu H. M., Maraklı S.
 International Journal of Pioneering Technology and Engineering, vol.3, no.1, pp.27-30, 2024 (Peer-Reviewed Journal)
- V. **Determination of Sukkula and Houba Retrotransposons in Heavy Metal Stressed Wheat Genotypes Grown In Vivo and In Vitro**
 İsmailova G., Mammadova M., MARAKLI S., Karagozov T.
 Azərbaycan Respublikası Elm və Təhsil Nazirliyi Genetik Ehtiyatlar İnstitutunun ELMİ ƏSƏRLƏRİ, vol.12, no.1, pp.161-170, 2023 (Peer-Reviewed Journal)
- VI. **Effects of cadmium on SIRE1 retrotransposon polymorphism in wheat genome**
 İsmayilova G., Mammadova M., Karagozov T., MARAKLI S.
 Transactions of the Institute of Molecular Biology & Biotechnologies, vol.7, no.1, pp.82-87, 2023 (Peer-Reviewed Journal)

- VII. **The evolutionary relationships of microRNAs in the regulation of glucose and lipid metabolism in human and animals**
KILIÇ O. S., MARAKLI S.
International Journal of Pioneering Technology and Engineering, vol.2, pp.113-118, 2023 (Peer-Reviewed Journal)
- VIII. **Important Extremophilic Model Microorganisms in Astrobiology”**
Emlik S., Maraklı S.
Frontiers in Life Sciences and Related Technologies (Online), vol.4, no.2, pp.105-110, 2023 (Peer-Reviewed Journal)
- IX. **Fritillaria Cinsinin ve Bu Cinsin Bir Üyesi Olan Aygül Lalesi'nin (Fritillaria Eduardii) Dünü, Bugünü ve Yarını**
Kimsanaliev D., Maraklı S., Kaya Y.
International Journal of Life Sciences and Biotechnology, vol.5, no.3, pp.1-16, 2022 (Peer-Reviewed Journal)
- X. **miRNAs as biomarkers in human diseases**
KARAIŞMAİLOGLU R., MARAKLI S.
International Journal of Science Letters, vol.4, no.1, pp.190-201, 2022 (Peer-Reviewed Journal)
- XI. **Antarktika: Yaşam bilimleri ve biyoteknoloji araştırmalarının gözden geçirilmesi**
Kırkinci S. F., Maraklı S., Aksoy H. M., Özçimen D., Kaya Y.
International Journal of Life Sciences and Biotechnology, vol.4, no.1, pp.158-177, 2021 (Peer-Reviewed Journal)
- XII. **Investigation of oxacillinases type beta-lactamases in carbapenems resistant Acinetobacter baumannii clinical isolates**
Ozcelik H. B., Yildirim T., Maraklı S., Idil O.
REVIEWS IN MEDICAL MICROBIOLOGY, vol.31, no.4, pp.209-214, 2020 (ESCI)
- XIII. **Application of different molecular markers in biotechnology**
Kocaman B., Toy S., Maraklı S.
International Journal of Science Letters, vol.2, no.2, pp.98-113, 2020 (Peer-Reviewed Journal)
- XIV. **The effect of ATP-binding cassette (ABC) transporters in human cancers**
Mesci S., Maraklı S., Yazgan B., Yıldırım T.
International Journal of Science Letters, vol.1, no.1, pp.14-19, 2019 (Peer-Reviewed Journal)
- XV. **Retrotransposon Analyses in Cucurbitaceae family**
Maraklı S.
International Journal of Science Letters , vol.1, no.1, pp.68-76, 2019 (Peer-Reviewed Journal)
- XVI. **Transferability of Barley Retrotransposons (Sukkula and Nikita) to Investigate Genetic Structure of Pimpinella anisum L.**
Maraklı S.
Marmara Fen Bilimleri Dergisi, vol.3, pp.299-304, 2018 (Peer-Reviewed Journal)
- XVII. **Detection of HERV-K6 and HERV-K11 transpositions in the human genome**
Guner B. C., Karlik E., Maraklı S., Gozukirmizi N.
BIOMEDICAL REPORTS, vol.9, no.1, pp.53-59, 2018 (ESCI)
- XVIII. **A brief review of molecular markers to analyse medicinally important plants**
Maraklı S.
International Journal of Life Sciences and Biotechnology, vol.1, no.1, pp.29-36, 2018 (Peer-Reviewed Journal)
- XIX. **Screening of Oryza sativa L. for Hpt Gene and Evaluation of Hpt Positive Samples Using Houba Retransposon-Based IRAP Markers**
Yüzbaşıoğlu G., Maraklı S., Gözükırmızı N.
Türkiye Tarımsal Araştırmalar Dergisi, vol.4, no.1, pp.59-64, 2017 (Peer-Reviewed Journal)
- XX. **Effects of Cadmium on Sukkula Retrotransposon Polymorphism in Ailanthus Altissima Mill Swingle**
İGİEBOR F. C., MARAKLI S., GÖZÜKIRMIZI N.
Journal of Molecular Biology and Genetics, vol.1, pp.33-36, 2016 (Peer-Reviewed Journal)

Books

- I. **HEMOFİLİ REPLASMAN ve GEN TERAPİSİ TEDAVİLERİNE NANOTIP TABANLI YAKLAŞIMLAR**
Aldoğan E., MARAKLI S.
in: DOĞA BİLİMLERİNDE MULTİDİSİPLİNER ÇALIŞMALAR, ATAKAN AYDIN, Editor, Gaziantep Üniversitesi Yayınları, pp.205-246, 2024
- II. **CANCER STEM CELLS AND THE APPLICATION OF CRISPR-CAS9 ON THESE CELLS**
KÜLEKÇİ D., ERGÜN K., MARAKLI S.
in: THE BROAD SPECTRUM OF BIOLOGICAL SCIENCES, MARAKLI SEVGİ, YILMAZER MERVE, Editor, Gaziantep Üniversitesi Yayınları, pp.590-615, 2024
- III. **TÜRKİYE VE DÜNYADA RADYASYON ETKİSİNİN MOLEKÜLER ve SİTOGENETİK YÖNTEMLERLE DEĞERLENDİRİLMESİ**
DÖRTER D., Güçlü İ., MARAKLI S.
in: DOĞA BİLİMLERİNDE MULTİDİSİPLİNER ÇALIŞMALAR, ATAKAN AYDIN, Editor, Gaziantep Üniversitesi Yayınları, Gaziantep, pp.314-342, 2024
- IV. **BİYOSENSÖRLERİN ÇEVRE, TARIM ve SAĞLIKTA KULLANIM ALANLARI**
ERGÜN K., MARAKLI S.
in: DOĞA BİLİMLERİNDE MULTİDİSİPLİNER ÇALIŞMALAR, MARAKLI SEVGİ, Editor, Gaziantep Üniversitesi Yayınları, pp.119-141, 2024
- V. **THE EFFECT OF METHYLATION, HISTON MODIFICATIONS AND NON-CODING RNAs ON CANCER, NEURODEGENERATIVE DISEASES AND PSYCHIATRIC DISORDERS**
GÜLTEKİN E. N., MARAKLI S.
in: THE BROAD SPECTRUM OF BIOLOGICAL SCIENCES, MARAKLI SEVGİ, YILMAZER MERVE, Editor, Gaziantep Üniversitesi Yayınları, pp.493-521, 2024
- VI. **CIRCULAR RNAs: THEIR STRUCTURE AND ROLES IN AGRICULTURE AND MEDICINE**
KARPUZ M. M., Bal M., MARAKLI S.
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- VII. **LINK BETWEEN CANCER AND PSYCHIATRIC CONDITIONS**
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Supported Projects

- Maraklı S., Çintesun Ş., Yörük E., Sefer Ö., TUBITAK Project, The investigation of the Effects of Nanoparticle-Mediated Foliar RNAi Applications on *Triticum aestivum*-*Fusarium graminearum* Phytopathosystem, 2024 - 2026
- Maraklı S., Sefer Ö., Atakan A., TUBITAK Project, Domates Kök Ve Kök BogaziÇürüklüğü (*Fusarium Oxysporum* F. Sp. *Radicis-Lycopersici* (Jarvis & Shoemaker)) Hastalığına Karsı Bazı Trikoaderma TürlerininBiyokontrol Etkinliğinin Araştırılması, 2024 - 2025
- Maraklı S., Sahin R. E., Yılmaz G. S., TUBITAK Project, Tuz stresi altında yetisenarpalarda (*Hordeum vulgare* L.) mumiyi aktivitesinin CRED-RA yöntemi kullanılarak epigenetik olarakincelenmesi, 2024 - 2025
- Maraklı S., Kuçak M., Çakır C., TUBITAK Project, Van İlinden Toplanan *Mycenastrum Corium* (Guers.) Desv. Mantarının Su Bazlı Ekstraksiyonuile MDA-MB-231(Meme Kanseri Hücre Hattında) Sitotoksik ve Antioksidan Etkilerinin Belirlenmesi, 2024 - 2025
- Yıldırım T., Maraklı S., Yazgan B., Eliaçık S., Mesci S., Hızarbaş D., Emergency R&D Project of Group A, Multiple skleroz hastalarında tanı biyobelirteçleri olabilecek Isı Şok Proteinlerinin (HSPs) miRNA profillerinin belirlenmesi, 2024 - 2025
- Karpuz M. M., Atakan A., Maraklı S., TUBITAK Project, Yeşil Sentez Yöntemiyle Üretilen Kalsiyum Nanopartiküllerinin Bazı *Fusarium* Türlerine Etkilerinin Moleküler Yönden İncelenmesi ve Agrokimyasallara Alternatif Olarak Kullanım Potansiyellerinin Araştırılması, 2023 - 2024
- MARAKLI S., SARIOĞLU Y., BİCİCİ Ş., Project Supported by Higher Education Institutions, Ayçiçeği (*Helianthus annuus* L.) bitkisinden yeşil sentez yöntemiyle üretilen gümüş nanopartiküllerinin antifungal ve moleküler akvitelerinin incelenmesi, 2023 - 2024
- Maraklı S., Erişen S., Büyüközkan N., Karayığit K., TUBITAK Project, Fındıkta (*Corylus avellana* L.) Steril Fide Eldesi, 2023 -

2024

Maraklı S., Erişen S., Kahrıman E. N., Karacan E. N., TUBITAK Project, *Salvia officinalis*'ten Rosmarinik Asit Üretimi için Kallus ve Kök Kültürü Olusturulması, 2023 - 2024

Maraklı S., Mercan L., Atlı G. N., Project Supported by Higher Education Institutions, Arthi Ve Karayaka Kuzularında Besinin 30. ve 60. Günlerindeki Bazı Bitki Kökenli Retrotranspozonların İrap Ve Remap Yöntemleri İle Moleküler Analizi, 2023 - 2024

Maraklı S., Akdağ A., Kılıç K., TUBITAK Project, Zeytin (*Olea europaea* L.) Bitkisinde *Colletotrichum* Spp.'in Neden Olduğu Antraknoz Meyve Çürüklüğü Hastalığının Epigenetik Olarak İncelenmesi, 2022 - 2024

Kaya Y., Huyop F. Z., Maraklı S., İmanberdiyeva N., Kurmanbekova G., Ömürzakova N., Kimsanaliev D., Nabieva G., Kıdıraliyeva B., Universities of Other Countries Supported Project, Kırgızistan'ın endemik bitkisi *Petilium eduardii*'nin doku kültürü metoduyla çoğaltılması, bu bitkide miRNA'ların ve hedef genlerin belirlenmesi, 2022 - 2024

Maraklı S., Fındık M., Seviner Y., TUBITAK Project, Buğday (*Triticum aestivum* L.) ve Susam (*Sesame indicum* L.) Bitkilerinde Kuraklık Stresi İle İlişkili miRNA'ların Tanımlanması ve Strese Dirençli Genotiplerin Üretilmesinde Bu miRNA'ların Rollerinin Belirlenmesi, 2022 - 2023

Maraklı S., Güzeleğlü Y., Güneş S., Köse B., TUBITAK Project, Kekik Bitkisinde Yeni miRNA'ların Tanımlanması ve Bu miRNA'ların Kullanılarak Yeni miRNA-SSR Markırlarının Geliştirilmesi, 2022 - 2023

Maraklı S., Çatal T., Sarıoğlu Y., TUBITAK Project, Antartika'dan İzole Edilen *Psychrobacter* sp. TaeBurcu001 Kullanılarak Eş Zamanlı Elektrik Üretimi ve Pestisit Biyogideriminin Mikrobiyal Yakıt Hücrelerinde Araştırılması, 2022 - 2023

Şahin N., Kızılkaya R., Ay H., Maraklı S., Saygın H., TAGEM Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü Projesi, Buğdayda Kuraklık Stresine Karşı Aktinobakteri Kaynaklı Mikrobiyal Gübre Geliştirilmesi, 2018 - 2023

Maraklı S., Kaya Y., Aksoy H. M., Çelikoğlu U., Demir E., Arvas Y. E., Eyiç A., Technopark, Herbisitlere karşı mikrobiyal kökenli biyolojik gübre üretimi, 2021 - 2022

Kaya Y., Özyiğit İ. İ., Aslan A., Kıdıraliyeva B., Ömürzakova N., Maraklı S., Hocaoğlu A., Universities of Other Countries Supported Project, Kırgızistan'da Yetiştirilen Yerel Özgen Çeltik Çesitlerinin In Vitro Koşullarda Doku Kültürü Parametrelerinin Belirlenmesi ve Moleküler miRNA Analizi, 2020 - 2021

Maraklı S., Kaya Y., Aksoy H. M., Project Supported by Other Official Institutions, Arktik'teki Ekstremofillerden Dehalojenaz Üreten Bakterilerin Taraması, 2019 - 2021

Maraklı S., Yağcı A., Project Supported by Higher Education Institutions, Farklı İz Elementlerin Uygulandığı Marul (*Lactuca sativa* L.) Bitkilerinde Fizyolojik ve Moleküler Analizler, 2019 - 2020

Kaya Y., Maraklı S., Aksoy H. M., Project Supported by Other Official Institutions, Genomik analizler ile herbisitleri (Dalapon ve Bromoksilil) Parçalayabilen Psikrofil ve Psychrotolerant mikroorganizma çalışmaları, 2018 - 2020

Gül M., Yıldırım T., Maraklı S., İnkaya E., Canımurbey B., Çelikoğlu U., Demir E., Tilki S., Project Supported by Higher Education Institutions, 2023 Vizyonunda Üniversitelerin Araştırma Laboratuvarları Çalıştayı-V, 2018 - 2019

Yıldırım T., Maraklı S., Yazgan B., Project Supported by Higher Education Institutions, Uygulamalı Biyoinformatik Çalıştayı, 2017 - 2017

Gözükırmızı N., Yüzbaşıoğlu G., Maraklı S., Yılmaz S., Project Supported by Higher Education Institutions, Herbisitlerin Pirinç (*Oryza sativa* L.) Bitkisinde Transpozon Hareketleri Üzerine Etkileri, 2016 - 2016

Gözükırmızı N., Maraklı S., Igiebor F. C., Project Supported by Higher Education Institutions, Kokar ağaç Cennet ağacı *Ailanthus altissima* Mill Swingle bitkisinde retrotranspozon hareketlerinin incelenmesi, 2016 - 2016

Gözükırmızı N., Maraklı S., Yılmaz S., Project Supported by Higher Education Institutions, Pirinç (*Oryza sativa* L.) Bitkisinde Transpozon Analizleri, 2014 - 2015

Gözükırmızı N., Maraklı S., Project Supported by Higher Education Institutions, Tuz (NaCl) Stresi Koşullarında Yetiştirilen Arpa (*Hordeum vulgare* L.) Bitkilerinde Kök Gelişimi Üzerine Brassinosteroid Etkisi, 2014 - 2015

Maraklı S., Project Supported by Higher Education Institutions, Arpa (*Hordeum vulgare* L.) Kültür Varyetelerinde Transpozon ve Kromozom Analizleri, 2011 - 2012

Activities in Scientific Journals

International Journal of Pioneering Technology and Engineering, Committee Member, 2022 - Continues

International Journal of Plant Sciences and Horticulture, Committee Member, 2019 - Continues

International Journal of Science Letters, Committee Member, 2018 - Continues

International Journal of Life Sciences and Biotechnology, Committee Member, 2018 - Continues

Memberships / Tasks in Scientific Organizations

Cost Action - Ca21134 - Towards Zer0 Pesticide Agriculture : European Network For Sustainability (T0p-Agri-Network) ,
Vice-Leader WG3 Breakthroughs in biological research offering new prospects in zero pesticide agriculture, Vice
President, 2023 - Continues, Belgium

Peer Reviews in Scientific Publications

AGRIENGINEERING, SCI Journal, December 2024

Academia Molecular Biology and Genomics, Other Indexed Journal, December 2024

GENETIC RESOURCES AND CROP EVOLUTION AN INTERNATIONAL JOURNAL, SCI Journal, December 2024

CLINICAL GENETICS, SCI Journal, December 2024

PEERJ, SCI Journal, December 2024

BMC PLANT BIOLOGY, SCI Journal, November 2024

BMC PLANT BIOLOGY, SCI Journal, November 2024

SCIENTIFIC REPORTS, SCI Journal, November 2024

International Journal of Life Sciences and Biotechnology, Other Indexed Journal, November 2024

TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, Journal Indexed in AHCI, October 2024

BMC PLANT BIOLOGY, SCI Journal, October 2024

SCIENTIFIC REPORTS, SCI Journal, September 2024

CELLULAR AND MOLECULAR BIOLOGY, SCI Journal, July 2024

International Journal of Pioneering Technology and Engineering, Other journals, July 2024

PHYSIOLOGIA PLANTARUM, SCI Journal, July 2024

BMC PLANT BIOLOGY, SCI Journal, June 2024

Gazi Üniversitesi Fen Fakültesi Dergisi, Other Indexed Journal, April 2024

JOURNAL OF ANIMAL AND PLANT SCIENCES, SCI Journal, April 2024

International Journal of Chemistry and Technology (IJCT), National Scientific Refreed Journal, March 2024

JOURNAL OF APPLIED BOTANY AND FOOD QUALITY, SCI Journal, February 2024

INDIAN JOURNAL OF EXPERIMENTAL BIOLOGY, SCI Journal, November 2023

CURRENT PROTEIN AND PEPTIDE SCIENCE, SCI Journal, September 2023

Manas Journal of Agriculture Veterinary and Life Sciences, Other Indexed Journal, July 2023

PHYTON-INTERNATIONAL JOURNAL OF EXPERIMENTAL BOTANY, Journal Indexed in SCI-E, May 2023

TURKISH JOURNAL OF MEDICAL SCIENCES, Journal Indexed in SCI-E, April 2023

GENETIKA-BELGRADE, Journal Indexed in SCI-E, August 2022

Frontiers in Life Sciences and Related Technologies, Other journals, June 2022

Sigma Journal of Engineering and Natural Sciences, Other Indexed Journal, April 2022

PLOS ONE, SCI Journal, January 2022

Frontiers in Life Sciences and Related Technologies, Other journals, December 2021

International Journal of Life Sciences and Biotechnology, Other journals, December 2021

EXPERIMENTAL BIOLOGY AND MEDICINE, SCI Journal, November 2021

Frontiers in Life Sciences and Related Technologies, Other Indexed Journal, September 2021

DEVELOPMENT GENES AND EVOLUTION, SCI Journal, July 2021

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, SCI Journal, June 2021

Journal of Amasya University the Institute of Sciences and Technology , Other Indexed Journal, June 2021

JOURNAL OF APPLIED RESEARCH ON MEDICINAL AND AROMATIC PLANTS, SCI Journal, April 2021

TÜRK TARIM VE ORMANCILIK DERGİSİ, Other Indexed Journal, April 2021

Meta Gene, Other Indexed Journal, February 2021
JOURNAL OF MEDICINAL PLANTS RESEARCH, SCI Journal, February 2021
Animal Breeding and Genetics , Other Indexed Journal, February 2021
JOURNAL OF MEDICINAL PLANTS RESEARCH, Other Indexed Journal, February 2021
Sigma Journal of Engineering and Natural Sciences, Other Indexed Journal, February 2021
African Journal of Agricultural Research, Other Indexed Journal, October 2020
African Journal of Biotechnology, Other Indexed Journal, September 2020
International Journal of Science Letters, Other Indexed Journal, July 2020
International Journal of Life Sciences and Biotechnology, Other Indexed Journal, May 2020
Avrupa Bilim ve Teknoloji Dergisi , Other Indexed Journal, May 2020
Bulletin of Biotechnology, Other journals, May 2020
Avrupa Bilim ve Teknoloji Dergisi, Other Journals, April 2020
3 BIOTECH, SCI Journal, April 2020
Journal of Soil and Plant Biology, Other journals, February 2020
GENETIC RESOURCES AND CROP EVOLUTION, SCI Journal, February 2020
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, SCI Journal, February 2020
African Journal of Biotechnology, Other Indexed Journal, January 2020
African Journal of Biotechnology, Other Indexed Journal, November 2019
Journal of Bioinformatics and Sequence Analysis , Other Indexed Journal, January 2019

Scientific Project Refereeing

TUBITAK Project, 2204-A High School Students Research Projects Competition , February 2025
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, February 2025
Horizon Europe Project, Horizon Europe Project, November 2024
Horizon Europe Project, Horizon Europe Project, October 2024
Horizon Europe Project, Horizon Europe Project, August 2024
Horizon Europe Project, Horizon Europe Project, August 2024
Horizon Europe Project, Horizon Europe Project, August 2024
Horizon Europe Project, Horizon Europe Project, July 2024
Horizon Europe Project, Horizon Europe Project, July 2024
Horizon Europe Project, Horizon Europe Project, July 2024
Horizon Europe Project, Horizon Europe Project, June 2024
Project Supported by Higher Education Institutions, BAP Research Project, May 2023
Research Project of the Presidency of Turkey Health Institutes (TÜSEB), November 2022
Project Supported by Higher Education Institutions, BAP Research Project, August 2022
Project Supported by Higher Education Institutions, BAP Research Project, July 2020
Project Supported by Higher Education Institutions, BAP Research Project, November 2019
Project Supported by Higher Education Institutions, BAP Research Project, March 2019

Scientific Consultations

Tübitak 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı , Project Consultancy, Yıldız Technical University, Faculty Of Arts & Science, Department Of Molecular Biology And Genetics, Turkey, 2023 - 2023
TEKNOFEST 2023 Teknoloji Yarışmaları kapsamında TEKNOFEST YTÜ Danışma Kurulu Üyesi, Project Consultancy, Yıldız Technical University, Faculty Of Arts & Science, Department Of Molecular Biology And Genetics, Turkey, 2022 - 2023
2204 C Lise Öğrencileri Kutup Araştırma Projeleri Yarışması, Project Consultancy, Amasya University, Sabuncuoğlu Şerefeddin Health Services Vocational School, Department Of Medical Services And Techniques, Turkey, 2021 - 2021

Tasks In Event Organizations

Maraklı S., II International Biological Congress, Scientific Congress, Bishkek, Kyrgyzstan, Mayıs 2022

Scientific Research / Working Group Memberships

Cost Action - Ca22142 - Beneficial Root-Associated Microorganisms For Sustainable Agriculture (Root-Benefit), Cost Actions, Belçika, <https://www.cost.eu/actions/CA22142/#tabs+Name:Description>, 2024 - Continues

Cost Action - Ca22157 - Reproductive Enhancement Of Crop Resilience To Extreme Climate (Recrop), COST Actions, Belçika, <https://www.cost.eu/actions/CA22157/>, 2023 - Continues

Cost Action - Ca22144 - Sustainable Use Of Salt-Affected Lands (Sustain), Cost Actions, Belçika, <https://www.cost.eu/actions/CA22144/>, 2023 - Continues

Cost Action - Ca22158 - Exploiting Plant-Microbiomes Networks And Synthetic Communities To İmprove Crops Fitness (Cropbiomes), Cost Actions, Belçika, <https://www.cost.eu/actions/CA22158/>, 2023 - Continues

Cost Action - Ca19125 - Epigenetic Mechanisms Of Crop Adaptation To Climate Change (Epi-Catch), Cost Actions, Belçika, <https://www.cost.eu/actions/CA19125/>, 2023 - Continues

Cost Action - Ca21134 - Towards Zer0 Pesticide Agriculture : European Network For Sustainability (T0p-Agri-Network) , Cost Actions, Belçika, <https://www.cost.eu/actions/CA21134/#tabs+Name:Main%20Contacts%20and%20Leadership>, 2023 - Continues

Metrics

Publication: 147

Citation (WoS): 156

Citation (Scopus): 177

H-Index (WoS): 9

H-Index (Scopus): 9

Congress and Symposium Activities

V.Kubiyogen Bilim Kongresi, Invited Speaker, İstanbul, Turkey, 2022

4th International Conference on Biosciences & Medical Engineering (ICBME2022), Invited Speaker, Kuantan, Malaysia, 2022

II International Biology Congress, Invited Speaker, Bishkek, Kyrgyzstan, 2022

II. Bilim-SİZ Günleri, Invited Speaker, İstanbul, Turkey, 2022

Awards

Maraklı S., Experimental Biology and Medicine Outstanding Reviewer Award, Experimental Biology And Medicine, December 2021

Maraklı S., 'Bioinformatics applications to support the analysis of plant biotechnological research' kursuna katılım desteği, National Institute Of Agricultural Innovation And Içgeb (International Centre For Genetic Engineering And Biotechnology) , March 2019

Maraklı S., 'Bioinformatics: Computer methods in molecular and systems biology' kursuna katılım desteği, Içgeb (International Centre For Genetic Engineering And Biotechnology, June 2015

Maraklı S., Bolu Abant İzzet Baysal Üniversitesi, Biyoloji Bölümü (İ.Ö.) Bölüm Birinciliği, Bolu Abant İzzet Baysal Üniversitesi, June 2009