

Asst. Prof. Tunhan DEMİRCİ

Personal Information

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Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Bitkisel Biyoteknoloji, Turkey 2011 - 2017

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Biyoloji, Turkey 2009 - 2011

Undergraduate, Suleyman Demirel University, Fen Edebiyat Fakültesi, Biyoloji, Turkey 2005 - 2009

Research Areas

Health Sciences, Pharmacology and Therapeutics, Pharmaceutics Technology, Pharmaceutical Biotechnology, Life Sciences, Plant Biology, Plant Tissue Culture, Plant Physiology, Plant Growth and Development, Biotechnology, Plant Biotechnology, Bioreactor, Molecular Biology and Genetics, Plant Molecular Genetics, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Suleyman Demirel University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2019 - Continues

Academic and Administrative Experience

Suleyman Demirel University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2019 - Continues

Suleyman Demirel University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2019 - Continues

Suleyman Demirel University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2019 - Continues

Jury Memberships

Post Graduate, Yüksek lisans tez savunması, Isparta Uygulamalı Bilimler Üniversitesi, March, 2019

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **L-phenylalanine applications and culture duration affect root growth and production of tropane alkaloids and phenolics in adventitious root cultures of *Hyoscyamus niger* L.**
DEMİRCİ T., Albayrak I., Baydar N. G.
PLANT CELL TISSUE AND ORGAN CULTURE, 2021 (Journal Indexed in SCI)
- II. **Influence of salicylic acid and L-phenylalanine on the accumulation of anthraquinone and phenolic compounds in adventitious root cultures of madder (*Rubia tinctorum* L.)**
DEMİRCİ T., Aras Ascı O., Gokturk Baydar N.
PLANT CELL TISSUE AND ORGAN CULTURE, 2020 (Journal Indexed in SCI)
- III. **Physical and biochemical differences in *Agrobacterium rhizogenes*-mediated transgenic hairy root lines of *Echinacea purpurea***

- DEMİRCİ T., ÇELİKKOL AKÇAY U., Gokturk Baydar N.
IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-PLANT, 2020 (Journal Indexed in SCI)
- IV. **Effects of 24-epibrassinolide and l-phenylalanine on growth and caffeic acid derivative production in hairy root culture of Echinacea purpurea L. Moench.**
DEMİRCİ T., Çelikkol Akçay U., Gökürk Baydar N.
Acta Physiologiae Plantarum, vol.42, no.4, 2020 (Journal Indexed in SCI)
- V. **Brassinosteroids Modify Yield, Quality, and Antioxidant Components in Grapes (Vitis vinifera cv. Alphonse Lavallée)**
Babalık Z., DEMİRCİ T., Aşçı Ö. A. , Baydar N. G.
Journal of Plant Growth Regulation, vol.39, no.1, pp.147-156, 2020 (Journal Indexed in SCI)
- VI. **Brassinosteroids Promote Growth and Secondary Metabolite Production in Lavandin (Lavandula intermedia Emeric ex Loisel.)**
Asci O. A. , DEVECİ H., ERDEĞER A., ÖZDEMİR K. N. , DEMİRCİ T., Baydar N. G.
JOURNAL OF ESSENTIAL OIL BEARING PLANTS, vol.22, no.1, pp.254-263, 2019 (Journal Indexed in SCI)
- VII. **Effects of Methyl Jasmonate and Caffeic Acid Applications on Secondary Metabolite Production in Madder (Rubia tinctorum) Root Cultures**
BICER P. O. , DEMİRCİ T., ASCI O. A. , BAYDAR N. G.
INDIAN JOURNAL OF PHARMACEUTICAL EDUCATION AND RESEARCH, vol.51, no.3, 2017 (Journal Indexed in SCI)
- VIII. **The Influence of Methyl Jasmonate on Growth and Caffeic Acid Derivative Contents of In vitro Shoot and Roots in Echinaceae (Echinacea Purpurea)**
DEMİRCİ T., Özmen S., YILMAZ E. G. , ASCI O. A. , BAYDAR N. G.
INDIAN JOURNAL OF PHARMACEUTICAL EDUCATION AND RESEARCH, vol.51, no.3, 2017 (Journal Indexed in SCI)
- IX. **Efficient Plant Regeneration with Arabinogalactan-Proteins on Various Ploidy Levels of Cereals**
COŞKUN Y., DURAN R. E. , SAVASKAN C., DEMİRCİ T., HAKAN M. T.
JOURNAL OF INTEGRATIVE AGRICULTURE, vol.12, no.3, pp.420-425, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Brassinosteroid Uygulamalarının Munstead Lavander Çeşidinde Bitki Gelişimi ile Sekonder Metabolit Üretimi Üzerine Etkileri**
ARAS AŞCI Ö., DEVECİ h., ERDEĞER A., ÖZDEMİR K. N. , DEMİRCİ T., GÖKTÜRK BAYDAR N.
Turkish Journal of Agriculture-Food Science and Technology, 2018 (Refereed Journals of Other Institutions)
- II. **Effects of NaCl applications on root growth and secondary metabolite production in madder (Rubia tinctorum L.) root cultures.**
ARAS AŞCI Ö., DEMİRCİ T., GÖKTÜRK BAYDAR N.
International Journal of Secondary Metabolite, vol.5, no.3, 2018 (Refereed Journals of Other Institutions)
- III. **INCREASE OF ANTHOCYANINS ACCUMULATION BY PREHARVEST 24-EPIBRASSINOLID (24-EBL) APPLICATIONS IN HOROZ KARASI GRAPE CULTIVAR**
Babalık Z., DEMİRCİ T., Aras Asci O., Gokturk Baydar N.
SCIENTIFIC PAPERS-SERIES B-HORTICULTURE, vol.62, pp.295-297, 2018 (Journal Indexed in ESCI)
- IV. **THE INFLUENCE OF PREHARVEST BORIC ACID APPLICATIONS ON THE ACCUMULATION OF SOME ANTIOXIDANT COMPONENTS IN ALPHONSE LAVALLEE GRAPE CULTIVAR**
Babalık Z., DEMİRCİ T., Aras Asci O., Gokturk Baydar N.
SCIENTIFIC PAPERS-SERIES B-HORTICULTURE, vol.62, pp.299-304, 2018 (Journal Indexed in ESCI)
- V. **HASAT ÖNCESİ 24-EPIBRASSINOLID (24-eBL) UYGULAMALARININ ALPHONSE LAVALLEE VE HOROZ KARASI ÜZÜM ÇEŞİTLERİNDE ALFA, BETA, GAMA, DELTA TOKOFEROL BİRİKİMLERİ ÜZERİNE ETKİLERİ**
BABALIK Z., DEMİRCİ T., ARAS AŞCI Ö., GÖKTÜRK BAYDAR N.
Bahçe, vol.47, no.0, pp.651-658, 2018 (Other Refereed National Journals)
- VI. **Alphonse Lavallée Üzüm Çeşidinde Borik Asit Uygulamalarının Bazı Kalite Kriterleri Üzerine Etkileri**

ARAS AŞCI Ö., BABALIK Z., DEMİRCİ T., GÖKTÜRK BAYDAR N.

Süleyman Demirel Üniversitesi Ziraat Fakültesi Dergisi, vol.12, no.2, pp.40-46, 2017 (Other Refereed National Journals)

VII. Tıbbi ve Aromatik Bitkiler ile Sebzelerde Kök Kaynaklı Sekonder Metabolitlerin Üretiminin Artırılmasına Yönelik In Vitro Uygulamalar

DEMİRCİ T., BIÇER ÖZDAMAR P., GÖKTÜRK BAYDAR N.

Turkish Journal of Agriculture - Food Science and Technology, vol.3, no.5, pp.261, 2015 (Refereed Journals of Other Institutions)

VIII. Comparison of Amino Acids for Their Efficiency on Regeneration in Wheat Embryo Culture

DURAN R. E., COŞKUN Y., DEMİRCİ T.

Asian Journal of Plant Science and Research, vol.3, no.1, pp.115-119, 2013 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **The protective role of Hypericum perforatum in treatment of oxidative stress-induced multiple sclerosis is affected by extraction procedure: A literature review**
DEMİRCİ T.
4th International BrainResearch School, Isparta, Turkey, 24 - 30 June 2019, vol.11, pp.17
- II. **Increase of anthocyanins accumulation by preharvest 24epibrassinolid (24-ebl) applications in horoz karası grape cultivar**
BABALIK Z., DEMİRCİ T., ARAS AŞCI Ö., GÖKTÜRK BAYDAR N.
The International Conference of the University of Agronomic Sciences and Veterinary Medicine of Bucharest "Agriculture for Life, Life for Agriculture", 7 - 09 June 2018
- III. **The influence of preharvest boric acid applications on the accumulation of some antioxidant components in alphonse lavallée grape cultivar**
BABALIK Z., DEMİRCİ T., ARAS AŞCI Ö., GÖKTÜRK BAYDAR N.
The International Conference of the University of Agronomic Sciences and Veterinary Medicine of Bucharest "Agriculture for Life, Life for Agriculture", 7 - 09 June 2018
- IV. **The Effects of Leds With Different Colours on The Growth, Nicotine And Phenolic Production in In Vitro Plants of Nicotiana tabacum L.**
DEMİRCİ T., UYSAL Ö., EKİNCİ K., GÖKTÜRK BAYDAR N.
MESMAP-4, 18 - 22 April 2018
- V. **Effects of brassinosteroid applications on root growth and secondary metabolite production in madder (Rubia tinctorum) root cultures**
GÖKTÜRK BAYDAR N., ARAS AŞCI Ö., DEMİRCİ T., BAYDAR H.
The 3rd International Conference on Agricultural and Biological Sciences., 26 - 29 June 2017
- VI. **Determination of the best 24-eBL application for the accumulation of antioxidant compounds in 'Alphonse Lavallee' grape cultivar by using fuzzy logic modelling**
YİÇİT T., ŞAHİNER A., BAYDAR N. G., BABALIK Z., DEMİRCİ T.
10th International Symposium on Modelling in Fruit Research and Orchard Management, Montpellier, France, 05 June 2015, vol.1160, pp.381-389
- VII. **Drought stress-induced physiological and biochemical changes in opium poppy (Papaver somniferum L.) cultivars under in vitro conditions**
GÖKTÜRK BAYDAR N., DEMİRCİ T., ALBAYRAK İ.
2nd Global Summit on Plant Science, 6 - 08 October 2016, vol.4
- VIII. **Effects of salt applications on root growth and secondary metabolite production in madder (Rubia tinctorum) root cultures**
GÖKTÜRK BAYDAR N., ARAS AŞCI Ö., DEMİRCİ T.
2nd Global Summit on Plant Science, 6 - 08 October 2016

- IX. **Effects of Sucrose on Root Growth and Secondary Metabolite Production İN Madder (*Rubia tinctorum*) Root Cultures**
ARAS AŞCI Ö., DEMİRCİ T., GÖKTÜRK BAYDAR N.
6th International Congress of Aromatic and Medicinal Plants – CIPAM 2016, 29 May - 01 June 2016
- X. **Comparison of Different *Echinacea purpurea* Hairy Root Lines Mediated by *Agrobacterium rhizogenes* in Terms of Root Growth and Caffeic Acid Derivatives**
DEMİRCİ T., ÇELİKKOL AKÇAY U., GÖKTÜRK BAYDAR N.
6th International Congress of Aromatic and Medicinal Plants – CIPAM 2016, 29 May - 01 June 2016
- XI. **Bir Heksaploid Buğday Çeşidinin (*Triticum aestivum* L. cv. Gün-91) Anterlerinden Kallus Üretimi ve Bitki Regenerasyonu**
DEMİRCİ T., SAVASKAN Ç.
21. Ulusal Biyoloji Kongresi (Uluslararası Katılımlı), Turkey, 3 - 07 September 2012
- XII. **Floristik Çeşitliliğin Korunmasında Bitki Doku Kültürü Çalışmalarının Önemi**
DEMİRCİ T.
Biyolojik Çeşitlilik Sempozyumu, Turkey, 22 - 23 May 2012
- XIII. **Farklı Miktarlardaki Arabinogalaktan Proteinlerinin Buğday *Triticum sp L* ve Arpa *Hordeum sp L* Bitki Rejenerasyonuna Etkisi**
COŞKUN Y., DURAN R. E. , SAVAŞKAN Ç., DEMİRCİ T., HAKAN M. T.
20. Ulusal Biyoloji Kongresi (Uluslararası Katılımlı), Denizli, Turkey, 21 - 25 June 2010

Supported Projects

DEMİRCİ T., TUBITAK Project, Nesli Tükenmekte Olan Endemik *Gentiana boissieri* ile *Gentiana lutea* subsp. *symphandra* Türleri için Mikroçoğaltım ve In Vitro Sekonder Metabolit Üretim Protokollerinin Geliştirilmesi, 2019 - Continues

Citations

Total Citations (WOS):6

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