

Assoc. Prof. ASLIHAN ÇETİNBAŞ GENÇ

Personal Information

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Education Information

2011 - 2016	Doctorate, Marmara University, Faculty of Arts and Sciences, Biology, Turkey
2009 - 2011	Postgraduate, Marmara University, Faculty of Arts and Sciences, Biology, Turkey
2005 - 2009	Undergraduate, İstanbul Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, Turkey

Dissertations

2016	Türkiye endemiği olan <i>Crataegus tanacetifolia</i> (Lam.) Pers. (alıç)'in üreme biyolojisinin analizi, Marmara Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Doctorate
2011	<i>Helianthus annuus</i> L. (Ayçiçeği)'nin pistilat ve hermafrodit çiçeklerinin karşılaştırmalı ontogenisi, Marmara Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Postgraduate

Research Areas

Plant Biology, Plant Anatomy, Plant Physiology, Histological and Cytological of Plant Tissues, Plant Growth and Development

Academic Titles / Tasks

2020 - Continues	Associate Professor, Marmara University, Faculty Of Arts And Sciences, Biology
2015 - 2020	Research Assistant, Marmara University, Faculty Of Arts And Sciences, Biology

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

- Morphological, biochemical and molecular hallmarks of programmed cell death in stigmatic papillae of *Brassica oleracea* L.**
ÇETİNBAŞ GENÇ A., Bayam C., VARDAR F.
CARYOLOGIA, vol.74, no.1, pp.117-126, 2021 (Journal Indexed in SCI)
- Effect of methyl jasmonate on in-vitro pollen germination and tube elongation of *Pinus nigra***
ÇETİNBAŞ GENÇ A., VARDAR F.
PROTOPLASMA, vol.257, no.6, pp.1655-1665, 2020 (Journal Indexed in SCI)
- Treatment with spermidine alleviates the effects of concomitantly applied cold stress by modulating Ca²⁺, pH and ROS homeostasis, actin filament organization and cell wall deposition in pollen tubes of *Camellia sinensis***
Çetinbaş-Genç A., Cai G., Del Duca S.
Plant Physiology and Biochemistry, vol.156, pp.578-590, 2020 (Journal Indexed in SCI Expanded)
- Adverse effects of heat stress in relation to actin cytoskeleton on pollen performance of *Echinopsis***

chamaecereus (Cactaceae)

Cetinbas-Genc A.

BRAZILIAN JOURNAL OF BOTANY, vol.43, no.1, pp.29-34, 2020 (Journal Indexed in SCI)

- V. **The effect of putrescine on pollen performance in hazelnut (*Corylus avellana* L.)**
Çetinbaş-Genç A., Cai G., Duca S. D. , VARDAR F., Ünal M.
Scientia Horticulturae, vol.261, 2020 (Journal Indexed in SCI)
- VI. **Putrescine modifies the pollen tube growth of tea (*Camellia sinensis*) by affecting actin organization and cell wall structure**
Çetinbaş-Genç A.
Protoplasma, vol.257, no.1, pp.89-101, 2020 (Journal Indexed in SCI)
- VII. **Differential effects of low and high temperature stress on pollen germination and tube length of hazelnut (*Corylus avellana* L.) genotypes**
Cetinbas-Genc A., Cai G., VARDAR F., Unal M.
SCIENTIA HORTICULTURAE, vol.255, pp.61-69, 2019 (Journal Indexed in SCI)
- VIII. **Histochemical and Biochemical Alterations in the Stigma of *Hibiscus syriacus* (Malvaceae) During Flower Development**
Cetinbas-Genc A., Yanik F., VARDAR F.
CARYOLOGIA, vol.72, no.4, pp.3-13, 2019 (Journal Indexed in SCI)
- IX. **Salicylic acid-induced germination, biochemical and developmental alterations in rye (*Secale cereale* L.)**
Yanik F., Ayturk O., ÇETİNBAŞ GENÇ A., VARDAR F.
ACTA BOTANICA CROATICA, vol.77, no.1, pp.45-50, 2018 (Journal Indexed in SCI)
- X. **FLOWER ONTOGENY AND REPRODUCTIVE BIOLOGY OF *SALVIA VIRIDIS* L.**
ÇETİNBAŞ GENÇ A., Unal M.
PAKISTAN JOURNAL OF BOTANY, vol.49, no.3, pp.891-896, 2017 (Journal Indexed in SCI)
- XI. **Developmental and Cytochemical Features of Male Reproductive Organ in *Crataegus tanacetifolia* (Lam.) Pers.**
ÇETİNBAŞ GENÇ A., Unal M.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.43, no.2, pp.507-514, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Apomictic development during different flower development stages in *Crataegus tanacetifolia* (Lam.) Pers., endemic to Turkey**
ÇETİNBAŞ GENÇ A., ÜNAL M.
Notulae Scientia Biologicae, vol.13, no.2, pp.10911, 2021 (Refereed Journals of Other Institutions)
- II. **Nezahat Gökyiğit Botanik Bahçesi'nin (İstanbul) Bazı Kurak-Çorak Alan Bitkileri Üzerinde Palinolojik Araştırmalar**
ANIK S., ÇETİNBAŞ GENÇ A., ÇINGAY B., VARDAR F.
Bağ Bahçe Bilim Dergisi, vol.8, no.1, pp.134-172, 2021 (Other Refereed National Journals)
- III. **Flower morphology and ontogeny of endemic *Crataegus tanacetifolia* Lam. Pers. (Rosaceae) from Turkey**
ÇETİNBAŞ GENÇ A., ÜNAL M.
Anatolian Journal of Botany, vol.4, no.2, pp.80-84, 2020 (Refereed Journals of Other Institutions)
- IV. **Developmental Features of Reproductive Organs in *Viburnum tinus* L.**
ÇETİNBAŞ GENÇ A.
Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.5, no.2, pp.243-250, 2019 (Refereed Journals of Other Institutions)
- V. **The Effect of Brassinosteroid on Pollen Germination and Tube Growth in Three *Dianthus* Species**

ÇETİNBAŞ GENÇ A.

Celal Bayar University Journal of Science, vol.15, no.4, pp.371-375, 2019 (Refereed Journals of Other Institutions)

- VI. **Bitkilerde Programlı Hücre Ölümü**
Yanık F., ÇETİNBAŞ GENÇ A., VARDAR F.
Marmara Fen Bilimleri Dergisi, vol.30, pp.157-166, 2018 (Other Refereed National Journals)
- VII. **Timing of Reproductive Organs Maturity in Proterandrous *Malva sylvestris* L.**
ÇETİNBAŞ GENÇ A., ÜNAL M.
Notulae Scientia Biologicae, vol.9, pp.287-295, 2017 (Refereed Journals of Other Institutions)
- VIII. **Anther Ontogeny and Microsporogenesis in *Helianthus annuus* L Compositae**
ÇETİNBAŞ GENÇ A., ÜNAL M.
Notulae Scientia Biologicae, vol.7, pp.52-56, 2015 (Refereed Journals of Other Institutions)
- IX. **An Overview of Dichogamy in Angiosperms**
ÇETİNBAŞ GENÇ A., ÜNAL M.
Research in Plant Biology, vol.4, pp.9-27, 2014 (Refereed Journals of Other Institutions)
- X. **Comparative Ontogeny of Hermaphrodite and Pistillate Florets in *Helianthus annuus* L Asteraceae**
ÇETİNBAŞ GENÇ A., ÜNAL M.
Notulae Scientia Biologicae, vol.4, pp.30-40, 2012 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Bitki (Angiosperm) Embriyolojisi**
ÜNAL M., ÇETİNBAŞ GENÇ A.
NOBEL YAYINEVİ, 2021
- II. **The effects of putrescine application against aluminum toxicity in wheat (*Triticum aestivum*) roots**
Akgün Ö., ÇETİNBAŞ GENÇ A., Yanık F., VARDAR F.
in: Recent Advances in Plant Sciences, Vardar Filiz, Aydın Yıldız, Altınkut Uncuoğlu Ahu, Editor, Nova Science Publishers, pp.379-399, 2020
- III. **Abiotic stress induced programmed cell death in plants**
Yanık F., ÇETİNBAŞ GENÇ A., VARDAR F.
in: Plant Life Under Changing Environment-Responses and Management, Durgesh Kumar Tripathi, Vijay Pratap Singh, Devendra Kumar Chauhan, Shivesh Sharma, Sheo Mohan Prasad, Nawal Kishore Dubey, Naleeni Ramawat, Editor, Elsevier Academic Press, pp.1-45, 2020
- IV. **Programmed cell death in plant reproductive development**
ÇETİNBAŞ GENÇ A., VARDAR F.
in: Recent Advances in Plant Sciences, Vardar Filiz, Aydın Yıldız, Altınkut Uncuoğlu Ahu, Editor, Nova Science Publishers, pp.341-361, 2020
- V. **Identification of Plant Programmed Cell Death**
ÇETİNBAŞ GENÇ A., VARDAR F.
in: Advances in Environmental Research, Daniels Justin, Editor, Nova Science Publishers, New York, pp.195-219, 2020
- VI. **Determination of aluminum-induced oxidative and genotoxic effects in sunflower leaves**
ÇETİNBAŞ GENÇ A., Kılıç Çakmak E., Yanık F., VARDAR F., ALTINKUT UNCUOĞLU A., Aydın Y.
in: A Closer Look at the Comet Assay, Keith H. Harmon, Editor, Nova Science Publishers, pp.143-170, 2020
- VII. **Aluminum-induced toxicity and programmed cell death in plants**
VARDAR F., Yanık F., ÇETİNBAŞ GENÇ A., Kurtuluş G.
in: Advances in Health and Natural Sciences, Yüksel Burcu, Karagül Mustafa Sencer, Editor, Nova Science Publishers, pp.155-181, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Salisilik Asit Uygulamasının Kivinin Polen Performansına Olan Etkileri**
ÇETİNBAŞ GENÇ A., AYDIN R., VARDAR F.
7. Ulusal Botanik Kongresi, Turkey, 9 - 11 October 2020
- II. **Nezahat Gökyiğit Botanik Bahçesi'nin Bazı Kurak-Çorak Alan Bitkileri Üzerinde Palinolojik Araştırmalar**
ANIK S., ÇETİNBAŞ GENÇ A., ÇINGAY B., VARDAR F.
7. Ulusal Botanik Kongresi, Turkey, 9 - 11 October 2020
- III. **The effects of gamma irradiation on sunflower pollen viability and morphology**
AKTAŞ Y. E. , ÇETİNBAŞ GENÇ A., GÜNAYDI T., ALTINKUT UNCUOĞLU A., AYDIN Y.
II. International Conference on Agricultural, Biological and Life Science, 1 - 03 September 2020
- IV. **Putrescine influences in-vitro pollen germination and tube elongation of Pinus nigra**
ÇETİNBAŞ GENÇ A.
3. Uluslararası Yenilikçi Bilimsel Yaklaşımlar Kongresi, Samsun, Turkey, 16 - 19 May 2020
- V. **Ameliorative effects of spermidine on cold-inhibited of pollen tube elongation in Camellia sinensis**
ÇETİNBAŞ GENÇ A.
3th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 19 - 20 March 2020
- VI. **The response of in vitro pollen germination and tube growth of lemon (Citrus limon) to putrescine**
ÇETİNBAŞ GENÇ A.
3th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 19 - 20 March 2020
- VII. **High-temperature effects on in-vitro pollen germination and tube elongation of Punica granatum**
ÇETİNBAŞ GENÇ A.
2th International Congress of Academic Research, Bolu, Turkey, 17 - 19 February 2020
- VIII. **Effect of storage temperatures on pollen viability of four hazelnut (Corylus avellana L.) genotypes.**
ÇETİNBAŞ GENÇ A.
2th International Congress of Academic Research, Bolu, Turkey, 17 - 19 February 2020
- IX. **Developmentally programmed cell death hallmarks in stigmatic papillae of Brassica oleracea L.**
Bayam C., ÇETİNBAŞ GENÇ A.
II. International Green Biotechnology Congress, İstanbul, Turkey, 9 - 11 September 2019
- X. **Borik Asitin Vibirnum tinus L. (Caprifoliaceae)'xx nin İn Vitro Polen Tüp Uzaması Üzerine Etkisi**
Kurtuluş G., ÇETİNBAŞ GENÇ A., Yanık F., VARDAR F.
International Agriculture, Environment and Health Congress, 26 - 28 October 2018
- XI. **Effects of Low and High Temperature Stresses on Pollen Germination and Pollen Tube Growth in Corylus avellana cultivars**
ÇETİNBAŞ GENÇ A., CAI G., VARDAR F., ÜNAL M.
7th Balkan Botanical Congress, 10 - 14 September 2018
- XII. **The Effects of Putrescine Application against Aluminum Toxicityin Wheat (Triticum aestivum L.) Roots**
VARDAR F., Akgün Ö., ÇETİNBAŞ GENÇ A., Yanık F.
4th International Congress on Applied Biological Sciences, 3 - 05 May 2018
- XIII. **Developmental Features of Male and Female Reproductive Organ in Vibirnum tinus L.**
ÇETİNBAŞ GENÇ A., VARDAR F.
International Eurasian Conference on Biological and Chemical Sciences, 26 - 27 April 2018
- XIV. **Comparison of Morphological and Biochemical Changes in Stigma Development of Hibiscus syriacus L. (Malvaceae)**
ÇETİNBAŞ GENÇ A., Yanık F., VARDAR F.
International Congress of Agriculture and Environment, 16 - 18 November 2017
- XV. **Alüminyum Toksisitesinin Ayçiçeği (Helianthus annuus L.) Üzerindeki Etkilerinin Biyokimyasal ve Genotoksik Analizi**
ÇETİNBAŞ GENÇ A., Kılıç E., Yanık F., VARDAR F., ALTINKUT UNCUOĞLU A., Aydın Y.
4. Ulusal Botanik Kongresi, Turkey, 6 - 09 July 2017
- XVI. **Alüminyum toksisitesinin ayçiçeği (Helianthus annuus L.) üzerindeki etkilerinin biyokimyasal ve**

genotoksik analizi

VARDAR F., ÇETİNBAŞ GENÇ A., Yanık F., Kılıç E., Aydın Y., ALTINKUT UNCUOĞLU A.

4. Ulusal Botanik Kongresi, Afyon, Turkey, 6 - 09 July 2017

XVII. **Sıcaklı stresinin *Viburnum tinus* L. (Caprifoliaceae)' nin polen çimlenmesi ve polen tüp uzaması üzerine etkisi**

ÇETİNBAŞ GENÇ A., Kurtuluş G., Yanık F., VARDAR F.

4. Ulusal Botanik Kongresi, Turkey, 6 - 08 July 2017

XVIII. **Structural and Histochemical Alterations in the Development of the Stigma in *Viburnum tinus***

ÇETİNBAŞ GENÇ A., ÜNAL M.

ICPB 2017: 19th International Conference on Plant Biology, 21 - 22 June 2017

XIX. **Early Flower Development Schedule in *Crataegus tanacetifolia* (Lam.) Pers**

ÇETİNBAŞ GENÇ A., ÜNAL M.

The International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOT), 15 - 17 May 2017

XX. **The Developmental Features of the Ovule and Embryo Sac in the Hermaphrodite Flowers of *Helianthus annuus* L**

ÇETİNBAŞ GENÇ A., ÜNAL M.

19TH INTERNATIONAL SUNFLOWER CONFERENCE, Edirne, Turkey, 29 May - 03 June 2016

XXI. **Cytological Features of Apomixis in *Crataegus tanacetifolia* Lam Pers**

ÇETİNBAŞ GENÇ A., ÜNAL M.

International Congress on Applied Biological Sciences, Saraybosna, Bosnia And Herzegovina, 27 - 31 May 2016

XXII. **Structural and Cytochemical Features of Stigma and Style of *Crataegus tanacetifolia* Lam Pers**

ÇETİNBAŞ GENÇ A., ÜNAL M.

International Congress on Applied Biological Sciences, Saraybosna, Bosnia And Herzegovina, 27 - 31 May 2016

XXIII. **The Effects of Salicylic Acid Application on Pigment Content and Antioxidant Enzyme Activities in Rye *Secale cereale* L**

YANIK F., ÖZLEM A., VARDAR F., ÇETİNBAŞ GENÇ A.

International Conference on Applied Biological Sciences (ICABS), 16 - 20 September 2015

XXIV. ***Salvia viridis* L nin Üreme Biyolojisi**

ÇETİNBAŞ GENÇ A., ÜNAL M.

Ulusal Botanik Kongresi, Turkey, 25 - 28 August 2015

XXV. **Proterandrik *Malva sylvestris* L nin Erkek ve Dişi Üreme Organlarının Karşılaştırmalı Gelişimi**

ÇETİNBAŞ GENÇ A., ÜNAL M.

Ulusal Botanik Kongresi, Turkey, 25 - 28 August 2015

XXVI. **Türkiye Endemiği Olan *Crataegus tanacetifolia* Lam Pers in Anter Ontogenisi**

ÇETİNBAŞ GENÇ A., ÜNAL M.

Ulusal Botanik Kongresi, Turkey, 25 - 28 October 2014

Tasks In Event Organizations

10 Mayıs 2018

Çetinbaş Genç A., Yaşamın içinden mikroorganizmalar, Art Activities, İstanbul, Turkey

Edit Congress and Symposium Activities

2018

International Agriculture, Environment and Health Congress, Working Group, Aydın, Turkey

2018

7th Balkan Botanical Congress, Working Group, Novi-Sad, Serbia And Montenegro

2018

4th International Congress on Applied Biological Sciences (ICABS), Working Group, Eskişehir, Turkey

2018

International Eurasian Conference on Biological and Chemical Sciences, Working Group, Ankara, Turkey

2017

International Congress of Agriculture and Environment, Working Group, Antalya, Turkey

2017	4. Ulusal Botanik Kongresi, Working Group, Afyon, Turkey
2017	19th International Conference on Plant Biology, Working Group, Vienna, Austria
2017	International Conference on Agriculture, Forest, Food Sciences and Technologies, Working Group, Nevşehir, Turkey
2016	19th International Sunflower Conference, Working Group, Edirne, Turkey
2016	2nd International Congress on Applied Biological Sciences, Working Group, Sarajevo, Bosnia And Herzegovina
2015	1st International Congress on Applied Biological Sciences, Working Group, Skopje, Macedonia
2015	2. Ulusal Botanik Kongresi , Working Group, Afyon, Turkey
2014	1. Ulusal Botanik Kongresi, Working Group, Antalya, Turkey

Citations

- I. Total Citations (WOS): 10
- II. h-index (WOS): 2