Assoc. Prof. ASLIHAN ÇETİNBAŞ GENÇ

Personal Information

Office Phone: +90 216 777 3270
Email: aslihan.cetinbas@marmara.edu.tr
Web: https://avesis.marmara.edu.tr/aslihan.cetinbas
Address: aslihan.cetinbas@marmara.edu.tr
International Researcher IDs
ORCID: 0000-0001-5125-9395
Publons / Web Of Science ResearcherID: AAH-4567-2019
ScopusID: 57201666525
Yoksis Researcher ID: 237251

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, Istanbul University, Faculty Of Science, Depertment Of Biology, Turkey

Foreign Languages

English, B2 Upper Intermediate

Dissertations

2016	Türkiye endemiği olan Crataegus tanacetifolia (Lam.) Pers. (alıç)'in üreme biyolojisinin analizi, Marmara University, Faculty of Arts and Sciences, Biology, Doctorate
2011	Helianthus annuus L. (Ayçiçeği)'nin pistilat ve hermafrodit çiçeklerinin karşılaştırmalı ontogenisi, Marmara University, Faculty of Arts and Sciences, Biology, 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

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Spermidine Modulates Pollen Tube Growth by Affecting the Factors Involved in Pollen Tube Elongation**
Tunur Ç., ÇETİNBAŞ GENÇ A.
Journal of Plant Growth Regulation, 2023 (SCI-Expanded)

II. **Effects of UV-B Radiation on the Performance, Antioxidant Response and Protective Compounds of Hazelnut Pollen**
ÇETİNBAŞ GENÇ A., Toksoz O., Piccini C., Kilin O., SESAL N. C., Cai G.
PLANTS-BASEL, vol.11, no.19, 2022 (SCI-Expanded)

III. **Let's shape again: the concerted molecular action that builds the pollen tube**
ÇETİNBAŞ GENÇ A., Conti V., Cai G.
PLANT REPRODUCTION, vol.35, no.2, pp.77-103, 2022 (SCI-Expanded)

IV. **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 (SCI-Expanded)

V. **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 (SCI-Expanded)

VI. **Effect of methyl jasmonate on in-vitro pollen germination and tube elongation ofPinus nigra**
ÇETİNBAŞ GENÇ A., VARDAR F.
PROTOPLASMA, vol.257, no.6, pp.1655-1665, 2020 (SCI-Expanded)

VII. **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 (SCI-Expanded)

VIII. **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 (SCI-Expanded)

IX. **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 (SCI-Expanded)

X. **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 (SCI-Expanded)

XI. **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 (SCI-Expanded)

XII. **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 (SCI-Expanded)

XIII. **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 (SCI-Expanded)

XIV. **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 (SCI-Expanded)

Articles Published in Other Journals

I. **Treatment with polyamines alleviates the effects of concomitantly applied aluminum in sunflower (Helianthus annuus L.) leaves**
ÇETİNBAŞ GENÇ A., BAYAM C., VARDAR F.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.18, pp.341-347, 2022 (Peer-Reviewed Journal)

II. **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 (Scopus)

III. **Nezahat Gökyiğit Botanik Bahçesi'nin (Istanbul) 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 (Peer-Reviewed Journal)

IV. **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 (Peer-Reviewed Journal)

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 (Peer-Reviewed Journal)

VI. **Developmental Features of Reproductive Organs in Viburnum tinus L.**
ÇETİNBAŞ GENÇ A.
Çanakkale Onsekiz Mart ÜniversitesiFen Bilimleri Enstitüsü Dergisi, vol.5, no.2, pp.243-250, 2019 (Peer-Reviewed Journal)

VII. **Bitkilerde Programlı Hücre Ölümü**
Yanık F., ÇETİNBAŞ GENÇ A., VARDAR F.
Marmara Fen Bilimleri Dergisi, vol.30, pp.157-166, 2018 (Peer-Reviewed Journal)

VIII. **Timing of Reproductive Organs Maturity in Proterandrous Malva sylvestris L.**
ÇETİNBAŞ GENÇ A., ÜNAL M.
Notulae Scientia Biologicae, vol.9, pp.287-295, 2017 (Peer-Reviewed Journal)

IX. **Anther Ontogeny and Microsporogenesis in Helianthus annuus L Compositae**
ÇETİNBAŞ GENÇ A., ÜNAL M.
Notulae Scientia Biologicae, vol.7, pp.52-56, 2015 (Peer-Reviewed Journal)

X. **An Overview of Dichogamy in Angiosperms**
ÇETİNBAŞ GENÇ A., ÜNAL M.
Research in Plant Biology, vol.4, pp.9-27, 2014 (Peer-Reviewed Journal)

XI. **Comparative Ontogeny of Hermaphrodite and PistillateFlorets in Helianthus annuus L Asteraceae**
ÇETİNBAŞ GENÇ A., ÜNAL M.
Notulae Scientia Biologicae, vol.4, pp.30-40, 2012 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Bitki (Angiosperm) Embriyolojisi**
ÜNAL M., ÇETİNBAŞ GENÇ A.
NOBEL YAYINEVİ, 2021

II. **The Role of Salicylic Acid in Plant Reproductive Development**
ÇETİNBAŞ GENÇ A., VARDAR F.
in: Salicylic Acid- A Versatile Plant Growth Regulator, Hayat Shamsul, Siddiqui Husna, Damalas Cristos, Editor, Springer, pp.35-46, 2021

III. **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

IV. **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

V. **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

VI. **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

VII. **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

VIII. **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. **Responses of pollen performance in olive cultivars to low and high temperature stress**
BİLGİLİ M. S., ÇETİNBAŞ GENÇ A.
5th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 23 November 2022

II. **Assessment of the UV-B absorbing compounds' absorbance levels in pollen grains of hazelnut genotypes**
KİLİN Ö., TOKSÖZ O., ÇETİNBAŞ GENÇ A.
5th International Plant Science and Technology Congress, 28 October 2022

III. **Effects of spermidine treatments on pollen performance of Prunus domestica**
TUNUR Ç., ÇETİNBAŞ GENÇ A.
5th International Plant Science and Technology Congress, Turkey, 28 October 2022

IV. **Processes and molecules that enable pollen tube elongation in angiosperms**
ÇETİNBAŞ GENÇ A.
I. International Advances in Molecular Biology Congress, İstanbul, Turkey, 19 September 2022

V. **Effect of Different Organic Solvents on the Isolation of Pollenkitt and Pollen Performance in Daffodil**

Kilin Ö., ÇETİNBAŞ GENÇ A.
II International Biology Congress, Manaus, Brazil, 18 May 2022

VI. **Salisilik Asit Uygulamasının Kivinin Polen Performansına Olan Etkileri**
ÇETİNBAŞ GENÇ A., AYDIN R., VARDAR F.
7. Ulusal Botanik Kongresi, Turkey, 9 - 11 October 2020

VII. **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

VIII. **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

IX. **THE EFFECTS OF GAMMA IRRADIATION ON SUNFLOWER POLLEN VIABILITY AND MORPHOLOGY**
Aktaş Y. E., ÇETİNBAŞ GENÇ A., Günaydı T., ALTINKUT UNCUOĞLU A., AYDİN Y.
II. International Agricultural, Biological & Life Science Conference, Turkey, 1 - 03 September 2020

X. **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

XI. **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

XII. **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

XIII. **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

XIV. **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

XV. **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

XVI. **Borik Asitin Vibirnum tinus L. (Caprifoliaceae)'xx nin İn Vitro Polen Tüp Uzamasi Üzerine Etkisi**
Kurtuluş G., ÇETİNBAŞ GENÇ A., Yanık F., VARDAR F.
International Agriculture, Environment and Health Congress, 26 - 28 October 2018

XVII. **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

XVIII. **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

XIX. **Developmental Features of Male and Female Reproductive Organ in Vibirnum tinus L.**
ÇETİNBAŞ GENÇ A., VARDAR F.
International Eurasian Conference onBiological and Chemical Sciences, 26 - 27 April 2018

XX. **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

XXI. **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

XXII. **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

XXIII. **Sıcaklı stresinin Vibirnum 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

XXIV. **Structural and Histochemical Alterations in the Development of the Stigma in Vibirnum tinus**
ÇETİNBAŞ GENÇ A., ÜNAL M.
ICPB 2017: 19th International Conference on Plant Biology, 21 - 22 June 2017

XXV. **Early Flower Development Schedule in Crataegus tanacetifolia (Lam.) Pers**
ÇETİNBAŞ GENÇ A., ÜNAL M.
The International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF), 15 - 17 May 2017

XXVI. **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

XXVII. **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

XXVIII. **Structural and Cytochemical Features of Stigma and Style of Crataegus tanacetifoliaLam Pers**
ÇETİNBAŞ GENÇ A., ÜNAL M.
International Congress on Applied Biological Sciences, Saraybosna, Bosnia And Herzegovina, 27 - 31 May 2016

XXIX. **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

XXX. **Salvia viridis L nin Üreme Biyolojisi**
ÇETİNBAŞ GENÇ A., ÜNAL M.
Ulusal Botanik Kongresi., Turkey, 25 - 28 August 2015

XXXI. **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

XXXII. **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

Metrics

Publication: 67
Citation (WoS): 76
Citation (Scopus): 80
H-Index (WoS): 6
H-Index (Scopus): 6

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 Bioloy, 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 Congres 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

Non Academic Experience

2012 - 2014	Türk Standartları Ensitüsü
2012 - 2014	Pratika Medikal
2010 - 2012	Marmara Üniversitesi, Biyoloji Bölümü