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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAC-8244-2020

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Education Information

Doctorate, Istanbul University, Fen Bilimleri, Biyoloji, Turkey 2005 - 2012

Postgraduate, Istanbul University, Fen Bilimleri, Biyoloji, Turkey 2001 - 2005

Undergraduate, Istanbul University, Faculty Of Science, Biyoloji, Turkey 1997 - 2001

Dissertations

Doctorate, Medicago truncatula Gaertn. Bitkisinde Nodül Oluşumu Sırasında Küçük-GTP Bağlayan Proteinlerin Rolü, Istanbul University, Fen Bilimleri , 2012

Postgraduate, Glycine max L. Bitkisinde Tuz Stresi ile Nitrik Oksit Arasındaki İlişki, Istanbul University, Fen Bilimleri , Biyoloji, 2001

Research Areas

Life Sciences, Plant Biology, Plant Tissue Culture, Plant Physiology, Biotechnology, Plant Biotechnology, Natural Sciences

Academic Titles / Tasks

Associate Professor, Istanbul University, Faculty of Science, Department of Biology, 2022 - Continues

Assistant Professor, Istanbul University, Faculty of Science, Department of Biology, 2020 - Continues

Research Assistant PhD, Istanbul University, Faculty of Science, Department of Biology, 2001 - 2020

Courses

DOKU KÜLTÜRLERİNDE BİTKİ HORMANLARININ UYGULANMASI, Postgraduate, 2020 - 2021

ÇEVRE BİYOLOJİSİ ARAŞTIRMALARI II, Undergraduate, 2020 - 2021

BİTKİLERDE SAVUNMA STRATEJİLERİ, Doctorate, 2020 - 2021

ADLİ BOTANİK, Doctorate, 2020 - 2021

BİTKİ MOLEKÜLER GENETİĞİ, Undergraduate, 2020 - 2021

ÇEVRE KİRLENMESİ VE TOKSİKOLOJİ, Undergraduate, 2020 - 2021

FİTOKİMYA, Undergraduate, 2020 - 2021

Advising Theses

Yüzbaşıoğlu E., SICAKLIK STRESİNİN EKMEKLİK BUĞDAY (*Triticum aestivum* L.) GENOTİPLERİNDE ÇİMLENME VE ERKEN FİDE GELİŞİMİ ÜZERİNE ETKİSİ, Postgraduate, M.AKPULAT(Student), 2024

Yüzbaşıoğlu E., Biyojenik çinko nanopartikülün farklı buğday türlerinde çimlenme üzerine etkisinin incelenmesi, Postgraduate, Y.DURAKLI(Student), 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of fungicide pretreatment on lipid peroxidation, antioxidant enzyme systems and proline accumulation in tomato (*Lycopersicon esculentum* Mill.) leaves under high temperature stress**
YÜZBAŞIOĞLU E.
TURKISH JOURNAL OF BOTANY, vol.44, no.6, pp.604-617, 2020 (SCI-Expanded)
- II. **Salicylic acid alleviates thiram toxicity by modulating antioxidant enzyme capacity and pesticide detoxification systems in the tomato (*Solanum lycopersicum* Mill.)**
Yuzbasioglu E., Dalyan E.
PLANT PHYSIOLOGY AND BIOCHEMISTRY, vol.135, pp.322-330, 2019 (SCI-Expanded)
- III. **Effect of 24-Epibrassinolide on Antioxidative Defence System Against Lead-Induced Oxidative Stress in The Roots of Brassica juncea L. Seedlings**
Dalyan E., Yuzbasioglu E., Akpınar I.
RUSSIAN JOURNAL OF PLANT PHYSIOLOGY, vol.65, no.4, pp.570-578, 2018 (SCI-Expanded)
- IV. **The identification of genes associated with Pb and Cd response mechanism in Brassica juncea L. by using Arabidopsis expression array**
Dalyan E., Yuzbasioglu E., Keskin B. C., Yildizhan Y., MEMON A., Unal M., Yuksel B.
ENVIRONMENTAL AND EXPERIMENTAL BOTANY, vol.139, pp.105-115, 2017 (SCI-Expanded)
- V. **Berteroa physocarpa (Brassicaceae), a new species from NW Turkey based on morphological and molecular data**
Yuzbasioglu S., Al-Shehbaz I. A., Yuzbasioglu E., Dalyan E.
PHYTOTAXA, vol.305, no.2, pp.87-96, 2017 (SCI-Expanded)
- VI. **Functional specialization of Arf paralogs in nodules of model legume, Medicago truncatula**
Yuzbasioglu E., Dalyan E., MEMON A., Oz G., Yuksel B.
PLANT GROWTH REGULATION, vol.81, no.3, pp.501-510, 2017 (SCI-Expanded)
- VII. **Uptake, accumulation and some biochemical responses in Raphanus sativus L. to zinc stress**
Kosesakal T., Yuzbasioglu E., Kaplan E., Baris C., Yuzbasioglu S., Belivermis M., Cevahir-Oz G., Unal M.
African Journal of Biotechnology, vol.10, no.32, pp.5993-6000, 2011 (SCI-Expanded)
- VIII. **RELATIONSHIP BETWEEN SALT STRESS AND NITRIC OXIDE IN Glycine max L. (soybean)**
Yuezbasioglu E., Oez G.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.19, no.3, pp.425-431, 2010 (SCI-Expanded)
- IX. **Invitro propagation of Amsonia orientalis Decne (Apocynaceae), African Journal of Biotechnology**
ÖZ G., YÜZBAŞIOĞLU E., EROL O., ÜZEN E.
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.7, no.20, pp.3638-3641, 2008 (SCI-Expanded)
- X. **The role of nitric oxide in plants**
Cevahir G., Aytamka E., Erol Ç.
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.21, no.1, pp.13-17, 2007 (SCI-Expanded)
- XI. **Comparison of The Effects of Different SA Concentrations on Senescence in Excised Rocket Cotyledons (*Eruca sativa* L.)**
ÖZ G., ÇAĞ S., YENTÜR S., ÜNAL M., YÜZBAŞIOĞLU E., SELÇUKCAN EROL Ç.
PAKISTAN JOURNAL OF BOTANY, vol.38, no.2, pp.267-274, 2006 (SCI-Expanded)
- XII. **The effect of nitric oxide, salicylic acid and hydrogen peroxide on the pigment content in excised cotyledons of red cabbage (*Brassica oleraceae* L.)**

Articles Published in Other Journals

- I. **Baklagillerde Simbiyotik Kök Nodül Gelişimi**
Yüzbaşıoğlu E.
International journal of advances in engineering and pure sciences (Online), vol.33, no.1, pp.1-10, 2021 (Peer-Reviewed Journal)
- II. **GENOTOXICITY AND ANTIOXIDANT ENZYME ACTIVITIES INDUCED BY THE CAPTAN FUNGICIDE IN THE ROOT OF BELL PEPPER (*Capsicum annuum* L. var. *grossum* L. cv. Kandil)**
Seyhan M., Yuzbasioglu E., Dalyan E., Akpınar I., Unal M.
TRAKYA UNIVERSITY JOURNAL OF NATURAL SCIENCES, vol.20, no.2, pp.97-103, 2019 (ESCI)
- III. **Antibacterial And Hemolytic Activities Of *Amsonia orientalis* (Syn. *Rhazya orientalis*) Decne. Against *Legionella pneumophila* Strains**
Arslan Aydoğdu E. Ö., Cevahir Öz G., Yüzbaşıoğlu E., Erdem A.
The Turkish Journal Of Occupational / Environmental Medicine and Safety, vol.3, no.1, pp.0-10, 2018 (Peer-Reviewed Journal)
- IV. **Büyüme hormonları ve aktif kömürün in vitro koşullarda kardelen (*Galanthus woronowii* Losinsk.) soğancık oluşumuna etkisi**
YÜZBAŞIOĞLU E., DALYAN E.
MEDITERRANEAN AGRICULTURAL SCIENCES, vol.30, no.3, pp.239-243, 2017 (Peer-Reviewed Journal)
- V. **Changes in Photosynthetic Pigments, Anthocyanin Content and Antioxidant Enzyme Activities of Maize (*Zea Mays* L.) Seedlings Under High Temperature Stress Conditions**
Yüzbaşıoğlu E., Dalyan E., Akpınar I.
TRAKYA UNIVERSITY JOURNAL OF NATURAL SCIENCES, vol.18, no.2, pp.1-8, 2017 (Peer-Reviewed Journal)
- VI. **In vitro propagation of endemic plant *Centaurea arifolia* Boiss. taxa**
Yüzbaşıoğlu E., Dalyan E., Bona M., Öz G.
IUFS Journal of Biology, vol.71, no.2, pp.121-127, 2012 (Peer-Reviewed Journal)
- VII. **Some Physiological Changes at early germination phases of *Mirabilis jalapa* L.**
Öz G., Yentür S., Eryılmaz Pehlivan F., Yüzbaşıoğlu E., Selçukcan Erol Ç.
BIOTECHNOLOGY AND BIOTECHNOLOGICAL EQUIPMENT, vol.1, no.19, pp.80-86, 2005 (Scopus)

Books & Book Chapters

- I. **FORENSIC BOTANY**
Yüzbaşıoğlu E., Dalyan E., Yüzbaşıoğlu İ. S.
in: Adli Biyoloji: Doğanın İzleriyle Adaletin Peşinde I, Gönül Filoğlu, Özlem Bülbül, Editor, IUC University Press, İstanbul, pp.32-40, 2024
- II. **Physiological and Biochemical Changes in Plant Growth and Different Plant Enzymes in Response to Lead Stress**
DALYAN E., YÜZBAŞIOĞLU E., Akpınar I.
in: Lead in Plants and the Environment, Gupta D., Chatterjee S., Walther C., Editor, Springer, Cham, Bern, pp.129-147, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **Ekmeklik buğday (*Triticum aestivum* L.) genotiplerinde sıcaklık stresinin tohum çimlenmesi üzerine**

etkisi

Akpolat M., Duraklı Y., Dalyan E., Yüzbaşıođlu E.

10. Ulusal Botanik Kongresi, İstanbul, Turkey, 13 - 15 September 2023, pp.23

- II. **Biyojenik Çinko Nanopartikülünün Farklı Buğday Türlerinde Çimlenme Ve Büyüme Karakterleri Üzerine Etkisinin İncelenmesi**
Duraklı Y., Yüzbaşıođlu E., Dalyan E., Akçay N., Algün G.
25. Ulusal Biyoloji Kongresi, İzmir, Turkey, 13 - 15 July 2023, pp.113
- III. **Evaluation of oxidative stress in tomato (*Lycopersicon esculentum*) leaves under fungicides treatment**
Yüzbaşıođlu E.
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), Ankara, Turkey, 18 - 20 March 2020, pp.244
- IV. **Effect of some commonly used fungicides on photosynthetic pigment in tomato (*Lycopersicon esculentum*)**
Yüzbaşıođlu E.
INTERNATIONAL CONGRESS ON SUSTAINABLE AGRICULTURE AND TECHNOLOGY , Gaziantep, Turkey, 1 - 03 April 2019, pp.531
- V. **Metal Bazlı Nanopartiküllerin *Fusarium oxysporum* f. sp. *lycopersici* İzolatları Üzerine Antifungal Etkilerinin Araştırılması**
AKPINAR I., ŞAR T., YÜZBAŞIOĐLU E., DALYAN E., ÜNAL M.
19. ULUSLARARASI KATILIMLI ULUSAL BİYOTEKNOLOJİ KONGRESİ, Eskişehir, Turkey, 1 - 03 December 2017, vol.1, no.1, pp.139
- VI. **The Effect of Foliar Application of 24-Epibrassinolide on Antioxidant Enzymes Activity in Maize (*Zea mays* L.) Under Cd Stress**
Dalyan E., Yüzbaşıođlu E., Akpınar I.
XIII. Uluslararası Katılımlı Ekoloji ve Çevre Kongresi , Edirne, Turkey, 12 - 15 September 2017, pp.301
- VII. **Türkiye'de *Berteroa* DC. (*Brassicaceae*) Cinsi**
YÜZBAŞIOĐLU İ. S., YÜZBAŞIOĐLU E., DALYAN E.
XIII. Uluslararası Katılımlı Ekoloji ve Çevre Kongresi UKECEK 2017, Edirne, Turkey, 12 - 15 September 2017, pp.173
- VIII. **24-Epibrassinolidin Yaprak Uygulamalarının Cd Stresi Altındaki Mısır (*Zea mays* L.) Bitkisinde Antioksidan Enzimlerin Aktivitesi Üzerine Etkileri**
DALYAN E., YÜZBAŞIOĐLU E., AKPINAR I.
XIII. Uluslararası Katılımlı Ekoloji ve Çevre Kongresi UKECEK 2017, Edirne, Turkey, 12 - 15 September 2017, pp.464
- IX. **Antifungal Effects of Silver Nanoparticles (AgNPs) against *Fusarium oxysporum* f. sp. *lycopersici* (FOL) Isolates**
AKPINAR I., ŞAR T., YÜZBAŞIOĐLU E., DALYAN E., ÜNAL M.
International Green Biotechnology Congress, İstanbul, Turkey, 11 - 13 September 2017, pp.1
- X. **An Investigation of Inhibitory Effect of Different Nanoparticles on *Fusarium oxysporum* f. sp. *radicis lycopersici* (FORL).**
AKPINAR I., ŞAR T., YÜZBAŞIOĐLU E., DALYAN E., ÜNAL M.
International Green Biotechnology Congress, İstanbul, Turkey, 11 - 13 September 2017, pp.1
- XI. **Pretreatment of Salicylic Acid Effects on Antioxidant Enzymes Activity in Tomato (*Lycopersicon esculentum*) Leaves After Thiram Treatment**
YÜZBAŞIOĐLU E., DALYAN E.
Ecology Symposium, Kayseri, Turkey, 11 - 13 May 2017, pp.284
- XII. **Differential Sensitivity of Bell Pepper (*Capsicum annuum* L.var.grossum L.cv. Kandil)to Thiram and Captan:Cytogenetic assay and antioxidative defence system**
Akpınar I., YÜZBAŞIOĐLU E., DALYAN E., ÜNAL M.
UK PlantSci2016, Norwich, United Kingdom, 11 April - 12 October 2016, pp.35

- XIII. **Differential sensitivity of tomato (*Lycopersicon esculentum* Miller) to thiram and captan: Cytogenetic assay and antioxidative defence system**
AKPINAR I., YÜZBAŞIOĞLU E., DALYAN E., ÜNAL M.
Induced Plant Development, Sainsbury Laboratory Symposium, Cambridge, United Kingdom, 4 April - 06 October 2016, pp.30
- XIV. **Effects of Gradually Rising Temperature in Maize (*zea mays* l.) seedlings: photosynthesis characteristics and protective mechanism**
YÜZBAŞIOĞLU E., DALYAN E., AKPINAR I.
II. INTERNATIONAL PLANT BREEDING CONGRESS AND EUCARPIA- OIL AND PROTEIN CROPS SECTION CONFERENCE, Antalya, Turkey, 1 - 05 November 2015, pp.369
- XV. **Epibrassinolide on lipid peroxidation and antioxidative enzymes activities in brassica juncea l. under lead stress**
DALYAN E., YÜZBAŞIOĞLU E., AKPINAR I., GÜLMEZ E.
II. INTERNATIONAL PLANT BREEDING CONGRESS AND EUCARPIA- OIL AND PROTEIN CROPS SECTION CONFERENCE, Antalya, Turkey, 1 - 05 November 2015, pp.210
- XVI. **Expression analysis of putative small GTPase in *Medicago truncatula***
Yüzbaşıoğlu E., Yüksel B., Dalyan E., Cevher Keskin B.
FEBS EMBO Conference, Paris, France, 30 August - 04 September 2014, pp.213
- XVII. **The identification and characterization of heavy metal stress responsive genes in *Brassica juncea***
Dalyan E., Yüksel B., Yüzbaşıoğlu E., Ünal M.
FEBS EMBO Conference, Paris, France, 30 August - 04 September 2014, pp.213
- XVIII. **Characterization of ARF1 paralogs in the nodular structure formation of *Medicago truncatula***
Yüzbaşıoğlu E., Yüksel B., Dalyan E.
FEBS EMBO Conference, Paris, France, 30 August - 04 September 2014, pp.212
- XIX. **The identification and characterization of heavy metal stress responsive genes in *Brassica juncea***
Dalyan E., Yuksel B., Yuzbasioglu E., Unal M.
FEBS EMBO 2014 Conference, Paris, France, 30 August - 04 September 2014, vol.281, pp.691
- XX. **Expression analysis of putative small GTPase in *Medicago truncatula***
Yuezbasioglu E., Yuksel B., Dalyan E., Keskin B. C.
FEBS EMBO 2014 Conference, Paris, France, 30 August - 04 September 2014, vol.281, pp.682
- XXI. **Characterization of ARF1 paralogs in the nodular structure formation of *Medicago truncatula***
Yuezbasioglu E., Yuksel B., Dalyan E.
FEBS EMBO 2014 Conference, Paris, France, 30 August - 04 September 2014, vol.281, pp.678
- XXII. **Antibacterial and Hemolytic Activity of *Amsonia orientalis* (Syn. *Rhazya orientalis*) Decne. Against *Legionella pneumophila* strains.**
KİMİRAN ERDEM A., ÖZ G., ARSLAN AYDOĞDU E. Ö., YÜZBAŞIOĞLU E.
Legionella 2009, France, 1 - 04 October 2009, vol.1, no.8, pp.247
- XXIII. **Roka (*Eruca sativa* L.) Fidelerinde Brassinosteroidlerin Çinko Toksisitesine Karşı Koruyucu Etkisi**
Dalyan E., Yüzbaşıoğlu E., Kösesakal T., Çingil Barış Ç., Ünal M.
VII. Ulusal Ekoloji ve Çevre Kongresi, Malatya, Turkey, 10 - 13 September 2007, pp.125
- XXIV. **Turp (*Raphanus sativus* L.) Fidelerinde Çinko Birikimi ve Toleransı**
Kösesakal T., Yüzbaşıoğlu E., Dalyan E., Çingil Barış Ç., Ünal M.
VII. Ulusal Ekoloji ve Çevre Kongresi, Malatya, Turkey, 10 - 13 September 2007, pp.126
- XXV. **Development of a Tissue Culture System for *Raphanus sativus* L.**
YÜZBAŞIOĞLU E., DALYAN E., ÖZ G., Yilmazer N.
International Symposium 7th Plant Life of South West Asia (7th PLoSWA), Turkey, 1 - 04 June 2007, pp.107

Supported Projects

YÜZBAŞIOĞLU E., DURAKLI Y., DALYAN E., AKÇAY N., ALGÜN G., Project Supported by Higher Education Institutions,

Çeşitli bitki özütleri kullanılarak Gümüş (Ag), Çinko (Zn) ve Titanyum (Ti) nanopartiküllerin yeşil sentezi ve tohum çimlenmesi ile genotoksisite üzerine etkilerinin incelenmesi, 2022 - Continues

DALYAN E., YÜZBAŞIOĞLU E., Project Supported by Higher Education Institutions, Kurşun Stresinin Mısır Bitkisinde Büyüme, Fotosentetik Pigmentler, Lipid Peroksidasyonu ve Antioksidan Enzim Aktiviteleri Üzerine Etkileri, 2019 - 2022

YÜZBAŞIOĞLU E., YÜZBAŞIOĞLU İ. S., DALYAN E., Project Supported by Higher Education Institutions, Domates Fidelerinde Fungisitlerin Fotosentetik Pigment İçeriği Üzerine Etkisinin İncelenmesi, 2019 - 2020

DALYAN E., AKPINAR I., YÜZBAŞIOĞLU E., Project Supported by Higher Education Institutions, Mısır (Zea mays L.) Bitkisinde Kurşun Stresine Karşı Antioksidan Enzimlerin Aktivitesinde ve Transkripsiyonunda Meydana Gelen Değişikliklerin İncelenmesi, 2016 - 2019

YÜZBAŞIOĞLU İ. S., DALYAN E., YÜZBAŞIOĞLU E., Project Supported by Higher Education Institutions, Türkiye'de Berteroa DC. (Brassicaceae) Cinsi, 2017 - 2018

YÜZBAŞIOĞLU E., DALYAN E., YÜZBAŞIOĞLU İ. S., Project Supported by Higher Education Institutions, Nesli Tehlike Altında Bulunan Endemik Centaurea hermannii F. Herman bitkisinin doku kültürü yöntemi ile çoğaltılması, 2014 - 2017

YÜZBAŞIOĞLU E., DALYAN E., Project Supported by Higher Education Institutions, YÜKSEK SICAKLIK STRESİNİN MISIR BİTKİSİ ÜZERİNE ETKİSİNİN İNCELENMESİ, 2016 - 2016

YÜZBAŞIOĞLU İ. S., YÜZBAŞIOĞLU E., Project Supported by Higher Education Institutions, Türkiye'de Yetişen Berteroa DC. (Brassicaceae) Türleri Üzerine Morfolojik ve Moleküler Araştırmalar, 2013 - 2016

YÜZBAŞIOĞLU E., Project Supported by Higher Education Institutions, Altın Katalizör kullanarak Silikon Nanoçubuk Üretimi, 2013 - 2015

YÜZBAŞIOĞLU E., Project Supported by Higher Education Institutions, Expression analysis of putative small GTPase in Medicago truncatula, 2014 - 2014

YÜZBAŞIOĞLU E., Project Supported by Higher Education Institutions, M. truncatula Bitkisinde ADP ribozilasyon faktör1 (Arf1) Gen Anlatımının Belirlenmesi, 2012 - 2012

YÜZBAŞIOĞLU E., Industrial Thesis Project, İhracatı Yapılan Kardelen (Galanthus) Türlerinin Doku Kültürü Yöntemi ile Üretimi, 2011 - 2012

Metrics

Publication: 46

Citation (WoS): 111

Citation (Scopus): 117

H-Index (WoS): 6

H-Index (Scopus): 6

Non Academic Experience

TÜBİTAK