

Assoc. Prof. BİRSEN ÇAKIR AYDEMİR

Personal Information

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Education Information

Doctorate, Université De Poitiers, France 1999 - 2004

Post Graduate, Université Bordeaux I, France 1997 - 1999

Under Graduate, Ankara Üniversitesi, Ziraat Fakültesi, Bahçe Bitkileri Bölümü, Turkey 1990 - 1995

Foreign Languages

English, C1 Advanced

French, C1 Advanced

Dissertations

Doctorate, Recherche des Proteines regulatrices impliquees dans le controle de l'expression du gene VvHT1 (Vitis vinifera hexose transporter 1) au cours de la maturation de la baie de raisin, Université De Poitiers, 2004

Post Graduate, Recherche sur les proteines de stress, dehydrines, dans les bourgeons et dans les pepins de Vitis vinifera L. var. Ugni Blanc : Mise au point d'une technique d'extraction et revelation par Western Blot. , Université Bordeaux I, 1999

Research Areas

Agricultural Sciences, Agriculture, Garden Plants, Cultivation and Breeding, Biotechnology and Genetics, Life Sciences, Biotechnology, Plant Biotechnology, Molecular Biology and Genetics, Plant Molecular Genetics, Natural Sciences

Academic Titles / Tasks

Associate Professor, Ege Üniversitesi, Ziraat Fakültesi, Bahçe Bitkileri, 2016 - Continues

Assistant Professor, Ege Üniversitesi, Ziraat Fakültesi, Bahçe Bitkileri Bölümü, 2010 - 2016

Research Assistant, Ege Üniversitesi, Ziraat Fakültesi, Bahçe Bitkileri Bölümü, 2006 - 2010

Assistant Professor, Rutgers, The State University Of New Jersey, Cook College, Biotech Center, 2008 - 2008

Assistant Professor, Rutgers, The State University Of New Jersey, Cook College, Biotech Center, 2004 - 2007

Advising Theses

Çakır Aydemir B., KAYIN MANTARI (Pleurotus ostreatus) GENOMUNDA ABC PROTEİNLERİNDENMDR ALT AİLESİNİN BİYÖİNFORMATİK ANALİZİ VE İFADE PROFİLİ, Post Graduate, H.KÜBRA(Student), 2019

Çakır Aydemir B., BEYAZ ŞAPKALI KÜLTÜR MANTARI (*Agaricus bisporus*) GENOMUNDA ABC PROTEİNLERİNDEN PDR ALT AİLESİNİN BİYOİNFORMATİK ANALİZİ VE İFADE PROFİLİ, Post Graduate, M.TAŞCI(Student), 2019

ÇAKIR AYDEMİR B., Asmada (*Vitis vinifera* L.) mapk genlerinin real-time PCR ile ifade analizi, Post Graduate, A.HODAEI(Student), 2017

ÇAKIR AYDEMİR B., Sultani çekirdeksiz üzüm çeşidinde ABC proteinlerinden MDR alt ailesinin tanelerde ifade analizi, Post Graduate, H.JALILI(Student), 2017

ÇAKIR AYDEMİR B., Asma' da (*Vitis vinifera* L.) aquaporin genlerinin biyoinformatik analizi ve farklı dokularda ifade profillerinin belirlenmesi, Post Graduate, G.TURGAY(Student), 2015

ÇAKIR AYDEMİR B., Asma bitkisinde (*Vitis vinifera*) ABC taşıyıcılarının izolasyonu ve moleküler karakterizasyonu, Doctorate, O.KILIÇKAYA(Student), 2014

ÇAKIR AYDEMİR B., Üzümün farklı gelişme dönemlerinde ifade edilen genlerin cDNA kütüphanesi taranarak belirlenmesi, Post Graduate, A.CAN(Student), 2013

ÇAKIR AYDEMİR B., Yetiştirme ortamındaki farklı pH değerlerinin sultani çekirdeksiz asma çeşidine, 41B ve kober 5BB anaçlarına etkilerinin belirlenmesi, Post Graduate, Y.İSLAM(Student), 2013

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

- I. **Salt stress induces endoplasmic reticulum stress-responsive genes in a grapevine rootstock**
ÇAKIR AYDEMİR B., Ozmen C. Y. , Kibar U., Mutaf F., Buyuk P. B. , BAKIR M., ERGÜL A.
PLOS ONE, vol.15, 2020 (Journal Indexed in SCI)
- II. **Genome-wide identification of the LEA protein gene family in grapevine (*Vitis vinifera* L.)**
Ibrahime M., Kibar U., Kazan K., Ozmen C. Y. , Mutaf F., Asci S. D. , Aydemir B., Ergul A.
TREE GENETICS & GENOMES, vol.15, 2019 (Journal Indexed in SCI)
- III. **Mitogen-activated protein kinase cascades in *Vitis vinifera***
Cakir B., KILIÇKAYA O.
FRONTIERS IN PLANT SCIENCE, vol.6, 2015 (Journal Indexed in SCI)
- IV. **Identification and structure of six members of the hexokinase gene family in *Vitis vinifera*: Cloning, expression, and functional analysis of a putative chloroplast stromal-type hexokinase**
Cakir B.
JOURNAL OF HORTICULTURAL SCIENCE & BIOTECHNOLOGY, vol.89, pp.663-673, 2014 (Journal Indexed in SCI)
- V. **Response to *Fusarium oxysporum* f.sp *radicis-lycopersici* in tomato roots involves regulation of SA- and ET-responsive gene expressions**
Cakir B., Gül A., Yolageldi L., Özaktan H.
EUROPEAN JOURNAL OF PLANT PATHOLOGY, vol.139, pp.373-385, 2014 (Journal Indexed in SCI)
- VI. **Identification and structure of the hexokinase gene family in *Vitis vinifera* Cloning expression and functional analysis of a putative chloroplast stromal type hexokinase**
ÇAKIR AYDEMİR B.
Journal of Horticultural Science and Biotechnology, vol.89, pp.663-673, 2014 (Journal Indexed in SSCI)
- VII. **Whole-Genome Survey of the Putative ATP-Binding Cassette Transporter Family Genes in *Vitis vinifera***
Cakir B., KILIÇKAYA O.
PLOS ONE, vol.8, 2013 (Journal Indexed in SCI)
- VIII. **Molecular cloning, phylogenetic analysis, and expression profiling of a grape CMP-sialic acid transporter-like gene induced by phytohormone and abiotic stress**
Cakir B., OLCAY A. C.
GENES & GENOMICS, vol.35, pp.225-238, 2013 (Journal Indexed in SCI)
- IX. **Genome wide analysis of Aux IAA genes in *Vitis vinifera* cloning and expression profiling of a grape Aux IAA gene in response to phytohormone and abiotic stresses Acta Physiologiae Plantarum**
ÇAKIR AYDEMİR B., KILIÇKAYA O., OLCAY A. C.
Acta Physiologiae Plantarum, vol.35, pp.365-377, 2013 (Journal Indexed in SCI Expanded)

- X. **Genome-wide analysis of Aux/IAA genes in *Vitis vinifera*: cloning and expression profiling of a grape Aux/IAA gene in response to phytohormone and abiotic stresses**
Cakir B., KILIÇKAYA O., OLCAY A. C.
ACTA PHYSIOLOGIAE PLANTARUM, vol.35, pp.365-377, 2013 (Journal Indexed in SCI)
- XI. **VvTMT2 encodes a putative tonoplast monosaccharide transporter expressed during grape berry (*Vitis vinifera* cv. Sultanine) ripening**
Cakir B., GIACHINO R. R.
PLANT OMICS, vol.5, pp.576-583, 2012 (Journal Indexed in SCI)
- XII. **Bax induces activation of the unfolded protein response by inducing HAC1 mRNA splicing in *Saccharomyces cerevisiae***
Cakir B.
YEAST, vol.29, pp.395-406, 2012 (Journal Indexed in SCI)
- XIII. **Genetic characterization of grape (*Vitis vinifera* L.) germplasm from Southeast Anatolia by SSR markers**
BOZ Y., Bakir M., Celikkol B. P. , KAZAN K., Yilmaz F., Cakir B., Aslantas S., Soylemezoglu G., YASASIN A. S. , OZER C., et al.
VITIS, vol.50, pp.99-106, 2011 (Journal Indexed in SCI)
- XIV. **VvHT1 encodes a monosaccharide transporter expressed in the conducting complex of the grape berry phloem**
VIGNAULT C., VACHAUD M., Cakir B., GLISSANT D., DEDALDECHAMP F., BUTTNER M., ATANASSOVA R., FLEURAT-LESSARD P., LEMOINE R., DELROT S.
JOURNAL OF EXPERIMENTAL BOTANY, vol.56, pp.1409-1418, 2005 (Journal Indexed in SCI)
- XV. **A grape ASR protein involved in sugar and abscisic acid signaling**
Cakir B., AGASSE A., GAILLARD C., SAUMONNEAU A., DELROT S., ATANASSOVA R.
PLANT CELL, vol.15, pp.2165-2180, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **GENETIC DIVERSITY ANALYSIS OF HERICIUM ISOLATES BY ISSR AND SRAP MARKERS**
ATİLA F., TÜZEL Y., ÇAKIR AYDEMİR B., EROĞUL D.
Journal of Microbiology, Biotechnology and Food Sciences, vol.7, pp.488-492, 2018 (Refereed Journals of Other Institutions)
- II. **ASMA BİYOTEKNOLOJİSİ ALANINDA GELİŞMELER**
Çakir Aydemir B., Ergül A.
TURKTOB dergisi, vol.24, no.1, pp.12-14, 2017 (Other Refereed National Journals)
- III. **Molecular Characterization of Sweet Cherry Genotypes and Rootstocks by using Prunus SSR Sequences**
EROĞUL DOĞRAR D., ÇAKIR AYDEMİR B.
Austin J Biotechnol Bioeng., vol.2, pp.1044, 2016 (Refereed Journals of Other Institutions)
- IV. **Ozaktan H, Çakir B, Gül A, Yolageldi L, Akköprü A, Fakhraei D and Akbaba M 2015 Isolation and Evaluation of Endophytic Bacteria Against Fusarium Oxysporum f. sp. Cucumerinum Infecting Cucumber Plants.**
ÇAKIR AYDEMİR B., ÖZAKTAN H., GÜL A., YOLAGELDİ L., akköprü a., Fakhraei d., akbaba M.
Austin journal of Plant Biology, vol.1, pp.1003-1006, 2015 (Refereed Journals of Other Institutions)
- V. **Arabidopsis Bax Inhibitor-1 inhibits cell death induced by pokeweed antiviral protein in *Saccharomyces cerevisiae***
Cakir B., Tumer N. E.
MICROBIAL CELL, vol.2, pp.43-56, 2015 (Journal Indexed in ESCI)
- VI. **Erogul D. and Cakir B. Molecular Characterization of Sweet Cherry Genotypes and Rootstocks by using Prunus SSR Sequences**

ÇAKIR AYDEMİR B., EROĞUL D.

Austin J Biotechnol Bioeng., vol.2, pp.1044, 2015 (Refereed Journals of Other Institutions)

VII. **Isolation and evaluation of endophytic bacteria against Fusarium oxysporum f sp cucumerinum infecting cucumber plants**

Özaktan H., Çakır Aydemir B., Gül A., Yolageldi L., Akköprü A., Fakhraei D., Akbaba M.

Austin Journal of Plant Biology, 2015 (Non-Refreed Journal)

VIII. **Asmada Vitis vinifera cv Sultanine Bax İnhibitor 1 Geninin İzolasyonu ve Moleküler Karakterizasyonu**

ÇAKIR AYDEMİR B.

E.Ü. Ziraat Fakültesi Dergisi, vol.49, pp.249-254, 2012 (Other Refereed National Journals)

IX. **The occurrence of Fusarium crown and root rot of tomato in South and Southern West of Turkey**

Yolageldi L., Özaktan H., Gül A., Çakır Aydemir B.

Acta Horticulturae, pp.809-812, 2012 (International Conference Book)

X. **Bitkilerde ATP bağlı kaset ABC taşıyıcı proteinlerinin yapısal özellikleri**

ÇAKIR AYDEMİR B., KILIÇKAYA O.

Adnan Menderes Üniversitesi, Ziraat Fakültesi dergisi,, vol.9, pp.39-44, 2012 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Salt stress induces Endoplasmic reticulum stress responsive genes in grapevine rootstock,1616C**
ÇAKIR AYDEMİR B., Çelikkol P., Ergül A., Kibar U., Yüksel C., Bakır M.
XXX. INTERNATIONAL HORTICULTURAL CONGRESS, İstanbul, Turkey, 12 August 2018, pp.121
- II. **Identification and expression analysis of PDR/ABCG subfamily of ABC transporters in Agaricus Bisporus**
ÇAKIR AYDEMİR B., Taşcı M., Düzel H. K. , Karakuş T.
XXX. INTERNATIONAL HORTICULTURAL CONGRESS, İstanbul, Turkey, 12 August 2018, pp.245
- III. **Identification and Expression Analysis of multidrug resistance-related ABC transporter genes (MDR) in Oyster Mushroom (Pleurotus Osteradus)**
ÇAKIR AYDEMİR B., Düzel H. K. , Taşcı M., Karakuş T.
XXX. INTERNATIONAL HORTICULTURAL CONGRESS, İstanbul, Turkey, 12 August 2018, pp.250
- IV. **Genome-wide identification and expression analysis of mitogen-activated protein kinase gene family in Vitis vinifera**
ÇAKIR AYDEMİR B., Hodaei A., Karakuş T.
XXX. INTERNATIONAL HORTICULTURAL CONGRESS, İstanbul, Turkey, 12 August 2018, pp.211
- V. **The Effect of different pH on growth and mineral content of grapevine and rootstocks**
ÇAKIR AYDEMİR B., Atalay Y. İ.
XXX. INTERNATIONAL HORTICULTURAL CONGRESS, İstanbul, Turkey, 12 August 2018, pp.224
- VI. **Breeding for disease resistant varieties**
ÇAKIR AYDEMİR B.
III International Plant Breeding Congress, KKTC, 15 - 20 October 2017
- VII. **Genome-wide identification of mitogen-activated protein kinase gene family in vitis vinifera**
ÇAKIR AYDEMİR B., KARAKUŞ t.
III International Plant Breeding Congress, KKTC, 15 - 20 October 2017
- VIII. **Late Embryogenesis Abundant (LEA) gene family in Grapevine**
ÇAKIR AYDEMİR B., ALTINTAŞ S.
III Plant Breeding Congress, KKTC, 15 - 20 October 2017
- IX. **Molecular mechanisms of tomato plants response to Clavibacter michiganensis subsp. michiganensis infection**
KHALID A., ÇAKIR AYDEMİR B., İLBİ H., KABAŞ A., HORUZ S., AYSAN Y.
III. International Breeding Congress, Cyprus (Kkct), 15 - 19 October 2017, pp.46

- X. **Rhizobacteria promoted growth and yield of tomato plants and control of *Fusarium oxysporum* f.sp. *radicis-lycopersici***
GÜL A., ÖZAKTAN H., YOLAGELDİ L., ÇAKIR AYDEMİR B.
III International Symposium on Organic Greenhouse Horticulture, Acta, İSHS, 2016, 30 June 2017
- XI. **Rhizobacteria promoted growth and yield of tomato plants and control of *Fusarium oxysporum* f.sp. *radicis-lycopersici***
GÜL A., ÖZAKTAN H., YOLAGELDİ L., ÇAKIR AYDEMİR B.
Acta Hort. ISHS, İzmir, Turkey, 11 April 2016 - 16 December 2017, vol.1, pp.345-352
- XII. **MDR Like ABC transporters in grapevine**
ÇAKIR AYDEMİR B., JALİLİ H.
International conference on engineering and natural Sciences, Bosna Hersek, Sarayevu, 24 - 26 May 2016
- XIII. **Molecular mechanism of water uptake in grapevine**
ÇAKIR AYDEMİR B., TURGAY G.
International conference on engineering and natural sciences, Bosna Hersek, Sarayevu, Sarajevo, Bosnia And Herzegovina, 24 - 26 May 2016
- XIV. **Comparative analysis of ET regulated genes expression in response to *Clavibacter michiganensis* subsp *Michiganensis* infection in tomato plants**
ABDU H., ÇAKIR AYDEMİR B., İLBİ H., EROĞUL D., AYSAN Y., KABAŞ A., HORUZ S.
5th International Symposium on Tomato Diseases Malaga, Spain, 13 - 16 June 2016
- XV. **Comparative analysis of ET regulated genes expression in response to *Clavibacter michiganensis* subsp *michiganensis* infection in tomato plants**
abdu k, ÇAKIR AYDEMİR B., İLBİ H., EROĞUL D., AYSAN Y., HORUZ S.
5th International Symposium on Tomato Disease, 13 - 01 June 2016
- XVI. **Effect of endophytic bacteria on angular leaf spot caused by *Pseudomonas syringae* pv *lachrymans* and marketable yield of cucumber**
AKKÖPRÜ A., ÖZAKTAN H., AKBABA M., GÜL A., ÇAKIR AYDEMİR B., YOLAGELDİ L.
3rd International Symposium on Biological Control and Plant Bacterial Diseases, 11 - 13 April 2016
- XVII. **The using possibilities of bacterial endophytes as biostimulant and biopesticide in cucumber growing**
ÖZAKTAN H., GÜL A., ÇAKIR AYDEMİR B., YOLAGELDİ L., AKBABA M., FAKHRAEİ D., AKAT Ş., ERYİĞİT G.
Micrope, 23 - 25 November 2015
- XVIII. **Yetiştirme Ortamındaki Farklı pH Değerlerinin Sultani Çekirdeksiz Asma Çeşidine Etkilerinin Belirlenmesi**
ATALAY Y. İ. , ÇAKIR AYDEMİR B., EROĞUL DOĞRAR D.
VII Ulusal Bahçe Bitkileri Kongresi Çanakkale Antalya, Turkey, 25 - 29 August 2015
- XIX. **Bakteriyel endofitlerin hıyar yetiştiriciliğinde biyogübre ve biyopestisit olarak kullanılma olanakları**
ÖZAKTAN H., GÜL A., ÇAKIR AYDEMİR B., YOLAGELDİ L., AKBABA M., AKKÖPRÜ A., AKAT Ş., ERYİĞİT G.
VII. Ulusal Bahçe Bitkileri Kongresi, Turkey, 25 - 29 August 2015
- XX. **Bakteriyel Endofitlerin Hıyar Yetiştiriciliğinde Biyogübre ve Biyopestisit Olarak Kullanılma Olanakları**
Özaktan H., Gül A., Çakır Aydemir B., Yolageldi L., Akköprü A., Akbaba M., Daver F., Şahika A., Gizem E.
VII Ulusal Bahçe Bitkileri Kongresi , Çanakkale, Turkey, 25 - 29 August 2015
- XXI. **Endophytic bacteria mediated resistance in cucumber plants to *Fusarium oxysporum* f sp *cucumerinum* and *Pseudomonas syringae* pv *lachrymans***
ÖZAKTAN H., GÜL A., ÇAKIR AYDEMİR B., YOLAGELDİ L., AKKÖPRÜ A., FAHRAEİ D., AKBABA M., ERYİĞİT G.
The "principal mode of action" of micro-organisms as agents between fertilization and plant protection, 12 - 13 March 2015
- XXII. **Effect of Rhizobacteria selected for plant growth promotion and biological control of *Fusarium oxysporum* f sp *radicis lycopersici* on yield of tomato**
GÜL A., ÖZAKTAN H., YOLAGELDİ L., ÇAKIR AYDEMİR B.
7th International Symposium jointly organised by DPG, JKI and HU-Berlin, Berlin, Germany, 12 - 13 March 2015

- XXIII. **Effect of rhizobacteria selected for plant growth promotion and biological control of *Fusarium oxysporum f sp radicy lycopersici* on yield of tomato plants**
GÜL A., ÖZAKTAN H., YOLAGELDİ L., ÇAKIR AYDEMİR B.
The "principal mode of action" of micro-organiss as agents between fertilization and plant protection, 12 - 13 March 2015
- XXIV. **Domateste Bakteriyel Kanser ve Solgunluk Hastalığına Karşı Dayanıklılık Mekanizmasında Etkili Olan Genlerin İfadelerinin Belirlenmesinde Kullanılacak *Clavibacter Michiganensis subs Michiganensis* Popülasyonunun Seçimi**
HORUZ S., KABAŞ A., AYSAN Y., ÇAKIR AYDEMİR B., EROĞUL D., İLBİ H.
Türkiye V. Bitki Koruma Kongresi, Turkey, 3 - 05 February 2014
- XXV. **APPLICATION OF BACTERIAL ENDOPHYTES TO CUCUMBER PLANTS FOR THEIR EFFECTS ON GROWTH PROMOTION AND BIOCONTROL**
ÖZAKTAN H., GÜL A., ÇAKIR AYDEMİR B., YOLAGELDİ L., AKKÖPRÜ A., AKBABA M.
APPLICATION TECHNIQUES OF ENDOPHYTES, Germany, 03 November 2014
- XXVI. **Bacterial Endophytes and Their Interactions with Cucumber Plants for Enhancing Growth and Yield**
GÜL A., ÖZAKTAN H., YOLAGELDİ L., ÇAKIR AYDEMİR B., AKAT Ş., AKKÖPRÜ A., AKBABA M., FAKHREİ D.
COST FA1103, 15 - 17 September 2014
- XXVII. **VvSTK1 encodes a putative Serine threonine S T protein kinase expressed during grape *Vitis vinifera* cv Sultaniye berry development**
ÇAKIR AYDEMİR B., EROĞUL D., YAZICI K., EREN E., KILIÇKAYA O., İLBİ H.
International Plant Breeding Congress, 10 - 14 November 2013
- XXVIII. **Transcriptional changes of tomato plants infected with *Clavibacter michiganensis subs Michiganensis***
ÇAKIR AYDEMİR B., ABDU K., KABAŞ A., EROĞUL D., HORUZ S., AYSAN Y., İLBİ H.
International Plant Breeding Congress, 10 - 14 November 2013
- XXIX. **Tomato Gene Expression Analysis in Response to *Clavibacter michiganensis subs Michiganensis***
ÇAKIR AYDEMİR B., KABAŞ A., ABDU K., HORUZ S., EROĞUL D., HEUSDEN VAN S., AYSAN Y., İLBİ H.
30 th ISTA seed symposium, 12 June - 18 December 2013
- XXX. **Isolation optimization of bacterial endophytes from cucumber plants and evaluation of their effects on growth promotion and biocontrol**
ÖZAKTAN H., GÜL A., ÇAKIR AYDEMİR B., YOLAGELDİ L., AKKÖPRÜ A., FAKHRAEİ D., AKBABA M.
the 5th International Symposium on Plant Protection and Plant Health in Europe., Berlin, Germany, 26 - 29 May 2013
- XXXI. **Molecular Cloning of a encoding nucleotid- sugar Transporter from *Vitis vinifera* (Cv.Sultanine)**
ÇAKIR AYDEMİR B., AKÇALI GIACHINO R. R. , KILIÇKAYA O., OLCAY A. C.
35th. World Congress of Vine and Wine, İzmir, Turkey, 18 - 22 June 2012, pp.51
- XXXII. **Birsen Çakır, Ozan Kılıçkaya, Ersin Karataş, Ahmet Can Olcay, Identification and structure of the hexokinase gene family in *Vitis vinifera*: functional analysis of *Vitis vinifera* Hexokinase 3 (VvHXK3) in *Saccharomyces cerevisiae***
ÇAKIR AYDEMİR B., Karataş E.
35th World Congress of vine and wine, izmir, İzmir, Turkey, 18 June 2012, pp.55
- XXXIII. **The Occurrence of *Fusarium* Crown and Root Rot of Tomato in South and Southern West of Turkey**
YOLAGELDİ L., ÖZAKTAN H., GÜL A., Cakir B.
International Symposium on Advanced Technologies and Management Towards Sustainable Greenhouse Ecosystems - Greensys, Athens, Greece, 01 June 2012, vol.952, pp.809-812
- XXXIV. **Effect of Rhizobacteria on Yield of Hydroponically Grown Tomato Plants**
GÜL A., ÖZAKTAN H., YOLAGELDİ L., Cakir B., ŞAHİN M., AKAT S.
International Symposium on Advanced Technologies and Management Towards Sustainable Greenhouse Ecosystems - Greensys, Athens, Greece, 01 June 2012, vol.952, pp.777-784
- XXXV. **Isolation and molecular characterization of BAX Inhibitor-1 from *Vitis vinifera* (cv. Sultanine)**
ÇAKIR AYDEMİR B., AKÇALI GIACHINO R. R.
Plant Biology 2011, Minneapolis, Minneapolis, United States Of America, 6 - 10 August 2011

- XXXVI. **Cloning and Characterization of Two Hexokinase Gene from *Vitis vinifera* (cv. Sultanine)**
ÇAKIR AYDEMİR B., AKÇALI GIACHINO R. R., OLCAY A. C., KILIÇKAYA O.
9.Plant Genomics European Meetings (Plant GEM), İstanbul, Turkey, 4 - 07 May 2011, pp.83
- XXXVII. **Isolation and Molecular Characterization of a Novel Monosaccharide Transporter from *Vitis vinifera* (cv. Sultanine)**
ÇAKIR AYDEMİR B., AKÇALI GIACHINO R. R., KILIÇKAYA O., OLCAY A. C.
9.Plant Genomics European Meetings (Plant GEM), İstanbul, Turkey, 4 - 07 May 2011, pp.83
- XXXVIII. **İnducing of the systemic resistance again fusarium crown and root rot of tomato *Fusarium oxysporum f sp radidis lycopersici* by rhizobacteria**
GÜL A., ÖZAKTAN H., YOLAGELDİ L., ÇAKIR AYDEMİR B.
APS- IPPC Joint Meeeting, United States Of America, 6 - 10 August 2011
- XXXIX. **Üzümde şeker taşınımı ve şeker sinyal iletim yolları (Sugar transport and sugar signal transmission pathways in grape)**
ÇAKIR AYDEMİR B., AKÇALI GIACHINO R. R., OLCAY A. C., KILIÇKAYA O.
I. Ulusal Ali Numan Kıraç Tarım Kongresi ve fuarı, Eskişehir, Turkey, 27 - 30 April 2011, pp.102
- XL. **Domates Bitkilerinde *Fusarium Kök ve Kökboğazı Çürüklüğüne Karşı (Fusarium oxysporum f.sp. radicis-lycopersici) Kökbakterileri Tarafından Sistemik Dayanıklılığın Uyarılması***
GÜL A., ÖZAKTAN H., YOLAGELDİ L., ÇAKIR AYDEMİR B.
Türkiye IV. Bitki Koruma Kongresi Bildirileri, Kahramanmaraş, Turkey, 28 June 2011, pp.104
- XLI. **Birsen Çakır, Ozan Kılıçkaya, Can Olcay, Genome-Wide identification of the *Vitis vinifera* Monosaccharide Transporters,**
ÇAKIR AYDEMİR B., kılıçkaya o.
6th International Symposium on Health Informatics and Bioinformatics, İzmir, Turkey, 02 May 2011, pp.250-255
- XLII. **Kezban Yazıcı, Soner Kazaz, Birsen Çakır. An Important Genetic Resource for Turkey: Cherry laurel (*Laurocerasus officinalis* Roemer)**
ÇAKIR AYDEMİR B.
II. International Symposium on Pomegranate Including Minor Mediterranean ISPM ISHS, India, pp.261

Supported Projects

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- ÇAKIR AYDEMİR B., Project Supported by Higher Education Institutions, Kayın mantarı *Pleurotus ostreatus* genomunda ABC proteinlerinden MDR alt ailesinin biyoinformatik analizi ve ifade profili, 2018 - 2019
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ÇAKIR AYDEMİR B., Project Supported by Higher Education Institutions, VVHXK GENİNİN MAYA HÜCRELERİNDE FONKSİYONEL KARAKTERİZASYONU, 2012 - 2015

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ÇAKIR AYDEMİR B., Project Supported by Higher Education Institutions, ÜZÜMDE MEYVE OLGUNLAŞMASINDA ETKİLİ OLAN HEKZOKİNAZ GENİNİN İZOLASYONU, 2011 - 2014

ÇAKIR AYDEMİR B., Project Supported by Higher Education Institutions, ÜZÜMÜN FARKLI GELİŞME DÖNEMLERİNDE İFADE EDİLEN GENLERİN CDNA KÜTÜPHANESİ TARANARAK BELİRLENMESİ, 2011 - 2014

Çakır Aydemir B., TUBITAK Project, Üzümde meyve olgunlaşmasında etkili olan hekzos taşıyıcılarının izolasyonu ve moleküler karakterizasyonu, 2008 - 2011

ÇAKIR AYDEMİR B., TUBITAK Project, Bitki Gelişimini Artıran Kök Bakterilerinin Sıcaklık ve Fusarium oxysporum f.sp. radicis-lycopersici Stresi Altındaki Domates Bitkilerinin Gelişimine Etkileri (1080069) TÜBİTAK Projesi,, 2008 - 2011

ÇAKIR AYDEMİR B., Other Supported Projects, Inhibition of UPR by PAP (pokeweed antiviral protein) and the effect of AtBI-1 on PAP induced UPR inhibition in yeast, Rutgers Üniversitesi, Biotech Center, New Brunswick, New Jersey USA (6 ay) Rutgers University Araştırma Projesi,, 2008 - 2008

ÇAKIR AYDEMİR B., Other Supported Projects, The effect of AtBI-1 (A. thaliana Bax Inhibitor) protein on the PAP toxicity (pokeweed antiviral protein) in yeast and in N. Tobaccum. Rutgers Üniversitesi, Biotech Center, New Brunswick, New Jersey USA (2 yıl) Rutgers University, 2005 - 2007

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ÇAKIR AYDEMİR B., EU Supported Other Project, Search of transcription factors regulating the expression of a hexose transporter during grape berry ripening in university of Poitiers, laboratory of transport of assimilates, Poitiers, Fransa CNRS 6161-Poitiers U. Projesi, 1999 - 2004

ÇAKIR AYDEMİR B., EU Supported Other Project, Study of heterologous expression of a grape hexose transporter (VvHT1) in yeast in collaboration with Laboratory of molecular biology of plants in university Erlangen, in Germany, Erlangen, Almanya E.Ü. ve Poitiers U., 2002 - 2002

Activities in Scientific Journals

Turkish journal of Biology, Assistant Editor, 2018 - Continues

Austin Journal of Plant Biology, Committee Member, 2018 - Continues

Austin Journal of Biotechnology and bioengineering , Committee Member, 2018 - Continues

Memberships / Tasks in Scientific Organizations

Member, 2018 - Continues

Member, 2018 - Continues

Member, 2018 - Continues

Scientific Refereeing

The journal of Horticultural Science Biotechnology, SCI Journal, June 2017

Tree genetic genomics, Journal Indexed in SSCI, April 2017

African Journal of Microbiology research, Other Indexed Journal, March 2017

premierpublishers , Other Indexed Journal, March 2017
Austin journal of Plant Biology, Other Indexed Journal, February 2017
SDÜ Ziraat Fakültesi Dergisi, National Scientific Refreed Journal, February 2017
Ege Ü Ziraat Fakültesi Dergisi, National Scientific Refreed Journal, January 2017
Research Journal of Biotechnology, SCI Journal, August 2016
International Journal of Food Properties, Journal Indexed in SSCI, August 2016
AFRÍCAN JOURNAL OF BÍOTECHNOLOGY, Other Indexed Journal, July 2016
BÍOCONTROL SCÍENCE AND BÍOTECHNOLOGY, SCI Journal, June 2016
E Ü ZÍRAAT FAKÜLTESÍ DERGÍSÍ, National Scientific Refreed Journal, June 2016
Plant Science, SCI Journal, May 2016
AUSTÍN JOURNAL OF BÍOTECHNOLOGY, Other Indexed Journal, March 2016
PLANT MOLECULAR BIOLOGY REPORTER, SCI Journal, September 2015
BMC Plant Biol, SCI Journal, March 2015

Mobility Activity

Other, Post Doc, Université de Poitiers, France, 2019 - 2019

Invited Congress and Symposium Activities

5th International Symposium on Plant Genetic Resources, Session Moderator, Sarajevo, Bosnia And Herzegovina, 2015
Conservation and Sustainable Agriculture, Invited Speaker, İzmir, Turkey, 2013

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Scholarships

Rutgers State University Postdoktora bursu 2004-2007, Official Institutions of Foreign Countries, 2004 - Continues

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MEB bakanlığı Yurtdışı yüksek öğrenim BURSUSU, Ministry of Education, 1996 - Continues