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International Researcher IDs

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Education Information

Doctorate, University of Wisconsin-Madison, Ziraat Fakültesi, United States Of America 1997 - 2002

Postgraduate, University of Wisconsin-Madison, United States Of America 1995 - 1997

Undergraduate, Cukurova University, Ziraat Fakültesi, Bahçe Bitkileri Bölümü, Turkey 1987 - 1991

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Introduction of an Ac/Ds Based Two-Element Transposon Tagging System and Trans-Activation of Ds in Carrot (*Daucus carota* L.), University of Wisconsin-Madison, Ziraat Fakültesi, 2002

Postgraduate, Transformation Of Activator (ac) And Dissociation (ds), MaizeTransposable Elements, Into The Genome Of Carrot (*daucus Carota* L.), University of Wisconsin-Madison, 2002

Academic Titles / Tasks

Professor, Bursa Uludağ University, ZİRAAT FAKÜLTESİ, BAHÇE BİTKİLERİ, 2018 - Continues

Associate Professor, Bursa Uludağ University, ZİRAAT FAKÜLTESİ, BAHÇE BİTKİLERİ, 2013 - 2018

Assistant Professor, Bursa Uludağ University, ZİRAAT FAKÜLTESİ, BAHÇE BİTKİLERİ, 2007 - 2011

Lecturer, Bursa Uludağ University, ZİRAAT FAKÜLTESİ, BAHÇE BİTKİLERİ, 2005 - 2007

Research Assistant, Bursa Uludağ University, ZİRAAT FAKÜLTESİ, BAHÇE BİTKİLERİ, 2002 - 2005

Research Assistant, University of Wisconsin-Madison, College Of Agriculture And Life Sciences, Horticulture, 2001 - 2002

Advising Theses

İPEK A., Transfer of TSWV resistant to local pepper varieties using molecular markers, Postgraduate, O.Çoban(Student), 2021

İPEK A., Development of local pink tomato varieties resistant to TSWV using molecular markers, Postgraduate,

A.Ertekin(Student), 2020

İPEK A., Identification and validation of snp markers linked to rf locus in carrot (*daucus carota* l.) using gbs, Doctorate, S.Teoman(Student), 2019

İPEK A., Development of carrot genetic map based on SNP molecular markers, Postgraduate, O.Sarcan(Student), 2018

İPEK A., Development of SNP markers using next generation DNA sequencing technologies and construction of a SNP based genetic map in olive, Postgraduate, K.YILMAZ(Student), 2016

İPEK A., Determination of molecular markers linked to the resistancy control gene towards zucchini yellow mosaic virus (ZYMV) in cucumber (*Cucumis sativus* L.), Doctorate, H.ÖZGÜR(Student), 2015

İPEK A., Assessment of genetic relationship among onion cultivars grown in Turkey using SSR markers, Postgraduate, E.KANBUR(Student), 2015

İPEK A., Mapping nuclear genes controlling cytoplasmic genetic male sterility in carrot using AFLP markers, Postgraduate, D.ÇELİK(Student), 2014

İPEK A., Determination of differently expressed candidate genes in garlic (*Allium sativum* L.) effected by low temperature storage using cDNA-AFLP, Postgraduate, Ö.GÜNAYDIN(Student), 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Characterization of phytochemical and functional properties of endemic edible *Allium tuncelianum* and comparison with commonly cultivated garlic, onion and leek crops**
İpek M., Cansev A., Şahan Y., İpek A., Altınseker Acun D. Z.
European Food Research and Technology, vol.249, no.4, pp.1113-1123, 2023 (SCI-Expanded)
- II. **Selection of salt tolerant lines at cell level using gamma ray with callus and suspension culture techniques in black carrots (*Daucus carota* L. ssp. *sativus* var. *atrorubens* Alef.)**
TURAN BÜYÜKDİNÇ D., Kantoğlu K. Y., Kuşvuran Ş., İPEK A., KARATAŞ A., Ellialtıoğlu Ş. Ş.
Applied Radiation and Isotopes, vol.190, 2022 (SCI-Expanded)
- III. **Identification of SNP markers linked to Rf locus in carrot using GBS**
Teoman Duran S., İpek A.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.46, no.6, pp.898-907, 2022 (SCI-Expanded)
- IV. **Genetic variation and relationships between Azerbaijani and Turkish olive genetic resources**
TEOMAN DURAN S., Aghayeva S., Akparov Z., Mammadov A., Asgarova R., Uslu O. Y., Kirikoglu O., Duran U. T., İPEK M., BARUT E., et al.
MOLECULAR BIOLOGY REPORTS, vol.49, no.6, pp.5209-5217, 2022 (SCI-Expanded)
- V. **Identification of SNP markers linked to Rf locus in carrot using GBS**
Duran S. T., İpek A.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.46, no.6, pp.898-907, 2022 (SCI-Expanded)
- VI. **Genotype-Dependent Gene Expression in Strawberry (*Fragaria x ananassa*) Plants Under High Temperature Stress**
Kesici M., İPEK A., ERSOY F., ERGİN S., GÜLEN H.
BIOCHEMICAL GENETICS, vol.58, no.6, pp.848-866, 2020 (SCI-Expanded)
- VII. **Transcriptome-based SNP discovery by GBS and the construction of a genetic map for olive**
İPEK A., İPEK M., ERCİŞLİ S., Tangu N. A.
FUNCTIONAL & INTEGRATIVE GENOMICS, vol.17, no.5, pp.493-501, 2017 (SCI-Expanded)
- VIII. **Assessment of Genetic Relationship Among Male and Female Fig Genotypes Using Simple Sequence Repeat (SSR) Markers.**
Teoman Duran S., İpek A., Ertürk Ü., İpek M., Barut E.
Notulae Botanicae Horti Agrobotanici Cluj-Napoca, vol.45, no.1, pp.172-178, 2017 (SCI-Expanded)
- IX. **Assessment of Genetic Relationship among Male and Female Fig Genotypes Using Simple Sequence Repeat (SSR) Markers**
Teoman S., İPEK M., ERTÜRK Ü., Aktepe Tangu N., Durgut E., BARUT E., ERCİŞLİ S., İPEK A.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.45, no.1, pp.172-178, 2017 (SCI-Expanded)

- X. **Genetic Diversity Assessment of Garlic Clones with SSR Markers**
İpek A., İpek M., Simon P.
HORTSCIENCE, vol.51, 2016 (SCI-Expanded)
- XI. **Effects of Different Temperatures on Some Biochemical Contents in Garlic Bulbs**
İPEK M., CANSEV A., İPEK A., Koccat S., CANSEV M.
HORTSCIENCE, vol.51, no.9, 2016 (SCI-Expanded)
- XII. **SNP Discovery by GBS in Olive and the Construction of a High-Density Genetic Linkage Map**
İPEK A., Yilmaz K., Sikici P., Tangu N. A., ÖZ A. T., Bayraktar M., İPEK M., Gulen H.
BIOCHEMICAL GENETICS, vol.54, no.3, pp.313-325, 2016 (SCI-Expanded)
- XIII. **Genetic variation within the purple carrot population grown in Ereğli District in Turkey**
İPEK A., TÜRKMEN Ö., Fidan S., İPEK M., Karci H.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.40, no.4, pp.570-576, 2016 (SCI-Expanded)
- XIV. **Effects of high temperature stress on enzymatic and nonenzymatic antioxidants and proteins in strawberry plants**
ERGİN S., GÜLEN H., Kesici M., TURHAN E., İPEK A., KÖKSAL N.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.40, no.6, pp.908-917, 2016 (SCI-Expanded)
- XV. **Development of AFLP markers associated with zucchini yellow mosaic virus resistance in cucumber (*Cucumis sativus* L.)**
Sigva H. O., Firat A. F., Hazarhun G., İPEK A.
TURKISH JOURNAL OF BOTANY, vol.39, no.6, pp.982-1003, 2015 (SCI-Expanded)
- XVI. **Development and validation of new SSR markers from expressed regions in the garlic genome**
İPEK M., Sahin N., İPEK A., CANSEV A., Simon P. W.
SCIENTIA AGRICOLA, vol.72, no.1, pp.41-46, 2015 (SCI-Expanded)
- XVII. **Testing the utility of matK and ITS DNA regions for discrimination of *Allium* species**
İPEK M., İPEK A., Simon P. W.
TURKISH JOURNAL OF BOTANY, vol.38, no.2, pp.203-212, 2014 (SCI-Expanded)
- XVIII. **Quantitative Seasonal Changes in the Leaf Phenolic Content Related to the Alternate-Bearing Patterns of Olive (*Olea europaea* L. cv. Gemlik)**
Mert C., BARUT E., İpek A.
JOURNAL OF AGRICULTURAL SCIENCE AND TECHNOLOGY, vol.15, no.5, pp.995-1006, 2013 (SCI-Expanded)
- XIX. **Heat-stress Tolerance of Some Strawberry (*Fragaria x ananassa*) Cultivars**
Kesici M., Gulen H., ERGİN S., TURHAN E., İPEK A., KÖKSAL N.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.41, no.1, pp.244-249, 2013 (SCI-Expanded)
- XX. **Variation in Flower Bud Differentiation and Progression of Floral Organs with Respect to Crop Load in Olive**
MERT C., BARUT E., İPEK A.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.41, no.1, pp.79-85, 2013 (SCI-Expanded)
- XXI. **Proteins in strawberry plants (*Fragaria x ananassa* Duch.) under heat stress**
Ergin S., Gulen H., TURHAN E., İPEK A., KÖKSAL N., Kesici M.
NEW BIOTECHNOLOGY, vol.29, 2012 (SCI-Expanded)
- XXII. **S-RNase based S-genotyping of Croatian sweet cherry (*Prunus avium* L.) genotypes**
Ercisli S., Radunic M., Gadze J., İpek A., Skaljic M., Cmelik Z.
Scientia Horticulturae, vol.139, pp.21-24, 2012 (SCI-Expanded)
- XXIII. **Assessment of inter- and intra-cultivar variations in olive using SSR markers**
İPEK A., BARUT E., Gulen H., İPEK M.
SCIENTIA AGRICOLA, vol.69, no.5, pp.327-335, 2012 (SCI-Expanded)
- XXIV. **Genetic relationships among olive (*Olea europaea* L.) cultivars native to Croatia and Turkey**
Ercisli S., Bencic D., İpek A., BARUT E., Liber Z.
Journal of Applied Botany and Food Quality, vol.85, no.2, pp.144-149, 2012 (SCI-Expanded)
- XXV. **SSR Marker-Based DNA Fingerprinting and Cultivar Identification of Olives (*Olea europaea*)**
ERCIŞLİ S., İPEK A., BARUT E.

- BIOCHEMICAL GENETICS, vol.49, pp.555-561, 2011 (SCI-Expanded)
- XXVI. **Determination of self-incompatibility groups of sweet cherry genotypes from Turkey**
Ipek A., Gulen H., Akcay M. E., Ipek M., Ergin S., Eris A.
GENETICS AND MOLECULAR RESEARCH, vol.10, no.1, pp.253-260, 2011 (SCI-Expanded)
- XXVII. **Assessment of genetic relationships among 29 introduced and 49 local sweet cherry accessions in Turkey using AFLP and SSR markers**
Gulen H., İPEK A., Ergin S., Akcay M. E., Eris A.
JOURNAL OF HORTICULTURAL SCIENCE & BIOTECHNOLOGY, vol.85, no.5, pp.427-431, 2010 (SCI-Expanded)
- XXVIII. **GENETIC DIVERSITY AMONG SOME CURRANTS (RIBES SPP.) CULTIVARS AS ASSESSED BY AFLP MARKERS**
İPEK A., BARUT E., Gulen H., İPEK M.
PAKISTAN JOURNAL OF BOTANY, vol.42, no.2, pp.1009-1012, 2010 (SCI-Expanded)
- XXIX. **Genetic diversity among some blackberry cultivars and their relationship with Boysenberry assessed by AFLP Markers**
İPEK A., BARUT E., Gulen H., İPEK M.
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.8, no.19, pp.4830-4834, 2009 (SCI-Expanded)
- XXX. **Molecular characterization of olive cultivars using amplified fragment length polymorphism markers**
Ercisli S., BARUT E., Ipek A.
Genetics and Molecular Research, vol.8, no.2, pp.414-419, 2009 (SCI-Expanded)
- XXXI. **DISTRIBUTION OF OLIVE (OLEA EUROPAEA L.) GENOTYPES IN THE SOUTHERN MARMARA REGION OF TURKEY**
BARUT E., İPEK A., Gulen H.
PAKISTAN JOURNAL OF BOTANY, vol.41, no.3, pp.1077-1080, 2009 (SCI-Expanded)
- XXXII. **SSR analysis demonstrates that olive production in the southern Marmara region in Turkey uses a single genotype**
Ipek A., BARUT E., Gulen H., Oz A. T., Tangu N. A., Ipek M.
GENETICS AND MOLECULAR RESEARCH, vol.8, no.4, pp.1264-1272, 2009 (SCI-Expanded)
- XXXIII. **Genetic characterization of *Allium tuncelianum*: An endemic edible *Allium* species with garlic odor**
Ipek M., İPEK A., Simon P. W.
SCIENTIA HORTICULTURAE, vol.115, no.4, pp.409-415, 2008 (SCI-Expanded)
- XXXIV. **Molecular characterization of Kastamonu garlic: An economically important garlic clone in Turkey**
Ipek M., İPEK A., Simon P. W.
SCIENTIA HORTICULTURAE, vol.115, no.2, pp.203-208, 2008 (SCI-Expanded)
- XXXV. **Rapid characterization of garlic clones with locus-specific DNA markers**
İPEK M., İPEK A., Simon P. W.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.32, no.5, pp.357-362, 2008 (SCI-Expanded)
- XXXVI. **Characterization of an unusual cytoplasmic chimera detected in bolting garlic clones**
Ipek M., Ipek A., Senalik D., Simon P. W.
JOURNAL OF THE AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE, vol.132, no.5, pp.664-669, 2007 (SCI-Expanded)
- XXXVII. **Genetic transformation of an Ac/Ds-based transposon tagging system in carrot (*Daucus carota* L.)**
Ipek A., Masson P., Simon P. W.
European Journal of Horticultural Science, vol.71, no.6, pp.245-251, 2006 (SCI-Expanded)
- XXXVIII. **Sequence homology of polymorphic AFLP markers in garlic (*Allium sativum* L.)**
Ipek M., Ipek A., Simon P. W.
GENOME, vol.49, no.10, pp.1246-1255, 2006 (SCI-Expanded)
- XXXIX. **Association of reversible inactivation of the maize transposable element Ds with tissue-specific processing of the 35S : TPase transcript in carrot (*Daucus carota* L.)**
Ipek A., Ipek M., Simon P. W.
JOURNAL OF HORTICULTURAL SCIENCE & BIOTECHNOLOGY, vol.81, no.5, pp.819-826, 2006 (SCI-Expanded)
- XL. **Demonstration of linkage and development of the first low-density genetic map of garlic, based on**

AFLP markers

Ipek M., Ipek A., Almquist S., Simon P.

THEORETICAL AND APPLIED GENETICS, vol.110, no.2, pp.228-236, 2005 (SCI-Expanded)

- XLI. **Comparison of AFLPs, RAPD markers, and isozymes for diversity assessment of garlic and detection of putative duplicates in germplasm collections**

Ipek M., Ipek A., Simon P. W.

JOURNAL OF THE AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE, vol.128, no.2, pp.246-252, 2003 (SCI-Expanded)

Metrics

Publication: 80

Citation (WoS): 464

Citation (Scopus): 485

H-Index (WoS): 13

H-Index (Scopus): 13