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Education Information

Doctorate, Cukurova University, Ziraat Fakültesi, Bahçe Bitkileri, Turkey 2003 - 2010

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Bazı Karpuz Genotiplerinin SSR ve SRAP Markörleri ile Karakterizasyonu ve Fusarium Solgunluğu (*Fusarium oxysporum* f.sp. *niveum*)'na Dayanımlarının Moleküler ve Klasik Yöntemlerle Araştırılması , Cukurova University, Ziraat Fakültesi, Bahçe Bitkileri, 2010

Postgraduate, Bazı Karpuz Çeşit ve Tiplerinin Karakterizasyonu , Cukurova University, Ziraat Fakültesi, Bahçe Bitkileri, 2003

Research Areas

Agricultural Sciences, Agriculture, Garden Plants, Vegetable Breeding and Breeding

Academic Titles / Tasks

Associate Professor, Cukurova University, Ziraat Fakültesi, Bahçe Bitkileri, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Are Cytological and Morphological Analyses Sufficient in Ploidy Determination of Watermelon Haploid Plants?**

Kara E., Taşkın H., Karabıyık Ş., Solmaz İ., Sarı N., Baktemur G.

Horticulturae, vol.10, no.8, pp.1-21, 2024 (SCI-Expanded)

- II. **Haploid induction through ovary culture in cucumber**
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In Vitro Cellular and Developmental Biology - Plant, 2024 (SCI-Expanded)
- III. **Cutting-Edge of Genotyping by Sequencing (GBS) for Improving Drought and Salinity Stress Tolerance in Watermelon (Citrullus lanatus L.): A Review**
Nyirahabimana F., SOLMAZ İ.
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- IV. **Applied Biotechnological Approaches for Reducing Yield Gap in Melon Grown Under Saline and Drought Stresses: an Overview**
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- V. **Recent status of Genotyping by Sequencing (GBS) Technology in cucumber (Cucumis sativus L.): a review**
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- VI. **Nitrogen and boron nutrition in grafted watermelon II: Impact on nutrient accumulation in fruit rind and flesh**
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- VII. **Genetic Analysis of Root-to-Shoot Signaling and Rootstock-Mediated Tolerance to Water Deficit in Tomato**
Asins M. J., Albacete A., Martinez-Andujar C., ÇELİKTOPUZ E., SOLMAZ İ., SARI N., Perez-Alfocea F., Dodd I. C., Carbonell E. A., TOPÇU S.
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- VIII. **Rootstock capacity in improving production and quality of triploid watermelon seeds**
SOLMAZ İ., SARI N., Kombo M. D., Simsek I., Hussein S., Namli M.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.42, no.4, pp.298-308, 2018 (SCI-Expanded)
- IX. **HYBRID PERFORMANCE AND HETEROSIS IN MINI-WATERMELONS**
SOLMAZ İ., SARI N., Kombo M. D., Pamuk S., Gocmen M., Simsek I.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.1, pp.393-401, 2018 (SCI-Expanded)
- X. **Preliminary studies of genom-wide association mapping for some selected morphological characters of watermelons**
Yagcioglu M., GÜLŞEN O., YETİŞİR H., SOLMAZ İ., SARI N.
SCIENTIA HORTICULTURAE, vol.210, pp.277-284, 2016 (SCI-Expanded)
- XI. **Genetic Characterization of Turkish Snake Melon (Cucumis melo L. subsp melo flexuosus Group) Accessions Revealed by SSR Markers**
SOLMAZ İ., Kacar Y. A., ŞİMŞEK Ö., SARI N.
BIOCHEMICAL GENETICS, vol.54, no.4, pp.534-543, 2016 (SCI-Expanded)
- XII. **The Andromonoecious Sex Determination Gene Predates the Separation of Cucumis and Citrullus Genera**
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- XIII. **Genetic analyses of Turkish watermelons based on SRAP markers**
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- XIV. **Effect of different irradiation sources and doses on haploid embryo induction in Altinbas (Cucumis melo L. var. inodorus) melons**
DAL B., SARI N., SOLMAZ İ.
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- XV. **MORPHOLOGICAL CHARACTERIZATION OF Cyclamen sp GROWN NATURALLY IN TURKEY: PART II**

- ÇÜRÜK P., SÖĞÜT Z., İzgu T., Sevindik B., TAGIPUR E. M., da Silva J. A. T., Serce S., SOLMAZ İ., Kacar Y. A., MENDI N. Y.
Y.
ACTA SCIENTIARUM POLONORUM-HORTORUM CULTUS, vol.15, no.5, pp.205-224, 2016 (SCI-Expanded)
- XVI. **Genetic diversity within Turkish watermelon [*Citrullus lanatus* (Thunb.) Matsumura & Nakai] accessions revealed by SSR and SRAP markers**
SOLMAZ İ., AKA KAÇAR Y., SARI N., ŞİMŞEK Ö.
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- XVII. **Genetic diversity, population structure and linkage disequilibrium among watermelons based on peroxidase gene markers**
Ocal N., AKBULUT M., GÜLŞEN O., YETİŞİR H., SOLMAZ İ., SARI N.
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- XVIII. **Volatile organic compounds in watermelon (*Citrullus lanatus*) grafted onto 21 local and two commercial bottle gourd (*Lagenaria siceraria*) rootstocks**
Guler Z., Candir E., Yetisir H., Karaca F., SOLMAZ İ.
JOURNAL OF HORTICULTURAL SCIENCE & BIOTECHNOLOGY, vol.89, no.4, pp.448-452, 2014 (SCI-Expanded)
- XIX. **The effect of plant density and pruning on yield and some agronomic characters of pepino (*Solanum muricatum* Ait.)**
SOLMAZ İ., Suyum K., Caymaz G., SARI N.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.28, no.2, pp.1145-1150, 2012 (SCI-Expanded)
- XX. **Genetic diversity among melon accessions (*Cucumis melo*) from Turkey based on SSR markers**
Kacar Y. A., ŞİMŞEK Ö., SOLMAZ İ., SARI N., Mendi Y. Y.
GENETICS AND MOLECULAR RESEARCH, vol.11, no.4, pp.4622-4631, 2012 (SCI-Expanded)
- XXI. **Rootstock potential of Turkish *Lagenaria siceraria* germplasm for watermelon: plant growth, yield and quality**
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- XXII. **Comparison of in vivo and in vitro Colchicine Application for Production of Dihaploid 'Kirkagac' and 'Yuva Hasanbey' Melons**
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AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.10, no.70, pp.15717-15723, 2011 (SCI-Expanded)
- XXIII. **The effect of salinity on stomata and leaf characteristics of dihaploid melon lines and their hybrids**
SOLMAZ İ., SARI N., DASGAN Y., AKTAS H., YETİŞİR H., UNLU H.
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- XXIV. **The genetic characterization of Turkish watermelon (*Citrullus lanatus*) accessions using RAPD markers**
SOLMAZ İ., SARI N., AKA-KACAR Y., YALCIN-MENDI N. Y.
GENETIC RESOURCES AND CROP EVOLUTION, vol.57, no.5, pp.763-771, 2010 (SCI-Expanded)
- XXV. **Morphological evaluation and comparison of Hungarian and Turkish melon (*Cucumis melo* L.) germplasm**
SZAMOSI C., SOLMAZ İ., SARI N., BARSONY C.
SCIENTIA HORTICULTURAE, vol.124, no.2, pp.170-182, 2010 (SCI-Expanded)
- XXVI. **Determination of gene escape and fruit quality characteristics in transgenic melon (*Cucumis melo* L. var. *inodorus*)**
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- XXVII. **Morphological characterization of Hungarian and Turkish watermelon (*Citrullus lanatus* (Thunb.) Matsum. et Nakai) genetic resources**
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- XXVIII. **Characterization of watermelon (*Citrullus lanatus*) accessions collected from Turkey for**

morphological traits

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Articles Published in Other Journals

- I. **Determination of the Effect of Boron Application on Stoma Density and Size in Melon with a New Stoma Examination Method**
ADIGÜZEL P., TEPE M., ŞİMŞEK F., SOLMAZ İ., KARABIYIK Ş.
Alatarım, vol.23, no.1, pp.39-46, 2024 (Peer-Reviewed Journal)
- II. **Kavunda Bor Uygulamasının Stoma Yoğunluk ve İriliğine Etkisinin Yeni Bir Stoma İnceleme Yöntemi İle Belirlenmesi**
Adıgüzel P., Tepe M., Şimşek F., SOLMAZ İ., KARABIYIK Ş.
Alatarım, vol.23, no.1, pp.39-46, 2024 (Peer-Reviewed Journal)
- III. **Prevailing situation of anther and ovary cultures in cucumber haploid induction**
Nyirahabimana F., SOLMAZ İ.
Vegetos, 2024 (Scopus)
- IV. **Kavun Bitkisinde Farklı Çiçeklenme Yapısı ve Tozlama Saatinin Tohum Kalitesi Üzerine Etkileri**
Pınar A., KARABIYIK Ş., SOLMAZ İ.
Çukurova Tarım ve Gıda bilimleri dergisi (Online), 2023 (Peer-Reviewed Journal)
- V. **Kavunda Farklı Çiçeklenme Yapısı ve Tozlama Saatinin Çiçek ve Tohum Kalitesi Üzerine Etkileri**
Adıgüzel P., KARABIYIK Ş., SOLMAZ İ.
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- VI. **Karpuzda (Citrullus lanatus L.) Bor Uygulamasının Çiçek Tozu Kalitesi, Miktarı ve Çim Borusu Gelişimine Etkisi**
Adıgüzel P., KARABIYIK Ş., NAMLI M., SOLMAZ İ.
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- VII. **Türkiye’de Bitki Genetik Kaynaklarının Mevcut Durumu ve Korunması**
Adıgüzel P., SOLMAZ İ.
Türkiye Tarımsal Araştırmalar Dergisi, vol.10, no.3, pp.352-360, 2023 (Peer-Reviewed Journal)
- VIII. **Açıkta ve Serada Yetiştirilen Altınbaş Kavun Hibritlerinin Heterozis Performansları**
NAMLI M., BİÇER İ., SOLMAZ İ., SARI N.
Alatarım, vol.22, no.1, pp.1-7, 2023 (Peer-Reviewed Journal)
- IX. **The Effects of Grafting on Plant, Fruit and Seed Quality in Cantaloupe (Cucumis melo L. var. cantalupensis) Melons**
Adıgüzel P., NAMLI M., Nyirahabimana F., SOLMAZ İ., SARI N.
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- X. **Comparison on flower, fruit and seed characteristics of tetraploid and diploid watermelons (Citrullus lanatus Thunb. Matsum. and Nakai)**
Adıgüzel P., SOLMAZ İ., KARABIYIK Ş., SARI N.
International Journal of Agriculture, Environment and Food Sciences, vol.6, no.4, pp.704-710, 2022 (Peer-Reviewed Journal)
- XI. **Effects of Cucurbita, Lagenaria and Citrullus rootstocks on pollen and fruit characters, seed yield and quality of F1 hybrid watermelon**
ARAS V., SARI N., SOLMAZ İ.
International Journal of Agriculture, Environment and Food Sciences, vol.6, no.4, pp.683-693, 2022 (Peer-Reviewed Journal)
- XII. **Turpta (Raphanus sativus L.) Farklı Yumru Ağırlığı ve Bor Gübrelemesinin Bitki Gelişimi, Bakla Özellikleri, Tohum Verimi, Çimlenme ve Çıkış Üzerine Etkileri**
NAMLI M., Adıgüzel P., SOLMAZ İ.

TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.10, no.7, pp.1286-1292, 2022 (Peer-Reviewed Journal)

- XIII. **Aşılamanın Melez Karpuz Tohumlarında Çimlenme ve Çıkış Özellikleri Üzerine Etkileri**
Aras V., SARI N., SOLMAZ İ.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, pp.3372-3382, 2021 (Peer-Reviewed Journal)
- XIV. **Farklı Anaçlar Üzerine Aşılama Kırkağaç Kavunlarının Meyve Özelliklerinin Araştırılması**
NAMLI M., KASAPOĞLU S., SOLMAZ İ.
Çukurova Tarım ve Gıda Bilimleri Dergisi (Online), vol.36, no.2, pp.301-308, 2021 (Peer-Reviewed Journal)
- XV. **Effects of Grafting on Germination and Emergence Characteristics of Hybrid Watermelon Seeds**
ARAS V., SOLMAZ İ., SARI N.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, pp.3372-3382, 2021 (Peer-Reviewed Journal)
- XVI. **Determination of Some Agronomic and Fruit Quality Characteristics of Some Watermelon Accessions from Turkish Watermelon Germplasm**
Atlı E., SOLMAZ İ., SARI N., KELEBEK H.
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.9, no.8, pp.1322-1328, 2021 (Peer-Reviewed Journal)
- XVII. **Farklı Anaçların Aşılı Hıyarlarda (Cucumis sativus L.) Bitki Gelişimi, Verim ve Meyve Özelliklerine Etkileri**
DAMAR E., SOLMAZ İ.
Çukurova Tarım ve Gıda Bilimleri Dergisi (Online), vol.35, no.2, pp.99-106, 2020 (Peer-Reviewed Journal)
- XVIII. **EFFECT OF ROOTSTOCKS ON POLLEN PRODUCTION, VIABILITY AND GERMINATION IN GRAFTED TETRAPLOID AND DIPLOID WATERMELON**
SOLMAZ İ., Kombo M. D., Hussein S., NAMLI M., SARI N.
International Journal of Agricultural and Natural Sciences, vol.13, no.3, pp.181-186, 2020 (Peer-Reviewed Journal)
- XIX. **Farklı anaçlar üzerine aşılamanın karpuzun bitki büyümesi üzerine etkileri**
Aras V., SARI N., SOLMAZ İ.
Alatırım, vol.19, no.2, 2020 (Peer-Reviewed Journal)
- XX. **Effects of grafting onto different rootstocks on watermelon plant growths**
ARAS V., SARI N., SOLMAZ İ.
Alatırım, vol.19, no.2, pp.57-65, 2020 (Peer-Reviewed Journal)
- XXI. **Karpuz Genetik Kaynaklarında Ovül-Ovaryum Kültürü Yöntemiyle Haploid Bitki Elde Edilmesi**
YILDIZ Ç., SOLMAZ İ.
Çukurova Tarım ve Gıda Bilimleri Dergisi (Online), vol.35, no.1, pp.35-42, 2020 (Peer-Reviewed Journal)
- XXII. **Karpuz Melezlerinde Tohum Kabuk Rengi Kalıtımının Belirlenmesi**
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- XXIV. **Katlanmış Haploidi Tekniği ile Geliştirilen Bazı Kırkağaç Kavun (Cucumis melo L. var.inodorus) Melezlerinin Tarımsal Özellikleri**
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- XXV. **Agronomic performance of some Kirkagac melon (Cucumis melo L. var. inodorus) hybrids developed by doubled haploidy technique.**
SARI N., SOLMAZ İ., BIÇER İ., NAMLI M.
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- XXVI. **Effects of ABA Application on Plant Growth, Sex Expression and Pollen Quality in Melon**
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Turkish Journal of Agriculture-Food Science and Tech, vol.6, no.9, pp.1224-1228, 2018 (Peer-Reviewed Journal)
- XXVII. **Effect of Different Doses of Nitrogen and Potassium Fertilization on Yield and Nutrient Uptake in**

Grafted Watermelon Growing in Çukurova Region Conditions

Alkan Torun A., Solmaz İ., Duymuş E., Aydın O., Cenkseven Ş., Yalçınkaya A., Gülüt K. Y., Torun M. B.
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- XXVIII. **Çekirdekli Mini Karpuz Melezlerinin Bazı Tarımsal Özelliklerinin Belirlenmesi.**
bağ m., SARI N., SOLMAZ İ., göçmen m., şimşek i.
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- XXIX. **Farklı Dozlarda Kükürt Uygulamasının Turp (*Raphanus sativus* L.)'ta Verim ve Kalite Üzerine Etkileri**
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- XXX. **Characterization of some agronomic traits and β -carotene contents of orange fleshed Altinbas melon dihaploid lines**
göçmen m., aydın e., şimşek i., SARI N., SOLMAZ İ., gökseven a.
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- XXXI. **Çekirdeksiz Karpuzlarda Bitki Gelişimi Verim ve Meyve Özelliklerinde Heterozis**
SARI N., TOPAL Y., GÖÇMEN M., ŞİMŞEK İ., SOLMAZ İ.
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- XXXII. **Karadeniz Bölgesi'nden toplanan farklı tohum renklerine sahip fasulyelerde tohum ve bakla özellikleri**
SARI N., SOLMAZ İ., PAMUK S., ÇETİN M. B.
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- XXXIII. **Morphological characterization of Korean and Turkish watermelon germplasm**
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- XXXIV. **The characterization of some watermelon genotypes by SSR and SRAP markers**
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- XXXV. **Variations in the response of different lines and hybrids of melon (*Cucumis melo* var. *cantaloupensis*) under salt stress**
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- XXXVI. **Determination of yield and some agronomic characteristics of melon cultivars developed by dihaploidization technique in glasshouse conditions**
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- XXXVII. **Transgenik Kırkağaç 637 kavun çeşidinde morfolojik karakterizasyon**
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- XXXIX. **The effects of plant densities on yield and root size in radish**
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Books

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- II. **Kavun Yetiştiriciliği**
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- III. **Melon (Cucumis melo L.): Genomics and Breeding**
Chikh-Rouhou H., ABDEDAYEM W., SOLMAZ İ., SARI N., Garcés-Claver A.
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- IV. **Karpuz Yetiştiriciliği**
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- V. **Watermelon Genetic Resources and Diversity**
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in: The Watermelon Genome, Sudip Kr. Dutta, Padma Nimmakayala, Umesh K. Reddy, Editor, springer, pp.23-26, 2023
- VI. **RECENT DEVELOPMENTS OF GRAFTING IN CUCURBITACEAE**
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in: AGRICULTURAL PRACTICES AND SUSTAINABLE MANAGEMENT IN TÜRKİYE, Yusuf SOLMAZ, Korkmaz BELLİTÜRK, Editor, İKSAD, Ankara, pp.207-234, 2022
- VII. **AN OVERVIEW OF HAPLOID PLANT PRODUCTION IN CUCURBITS**
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- VIII. **Karpuz Islahı**
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- IX. **Double Haploids in Cucurbits**
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Citation (WoS): 257

Citation (Scopus): 323

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. Cucurbitaceae 2010, Attendee, Charleston, United States Of America, 2010

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