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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. **Haploid induction through ovary culture in cucumber**
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In Vitro Cellular and Developmental Biology - Plant, 2024 (SCI-Expanded)
II. **Applied Biotechnological Approaches for Reducing Yield Gap in Melon Grown Under Saline and**

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IX. **Genetic Characterization of Turkish Snake Melon (Cucumis melo L. subsp melo flexuosus Group) Accessions Revealed by SSR Markers**
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XV. **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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XVI. **Volatile organic compounds in watermelon (Citrullus lanatus) grafted onto 21 local and two commercial bottle gourd (Lagenaria siceraria) rootstocks**
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XX. **Comparison of in vivo and in vitro Colchicine Application for Production of Dihaploid 'Kirkagac' and 'Yuva Hasanbey' Melons**
SOLMAZ İ., SARI N., Gursoy I., Kasapoglu S.
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.10, no.70, pp.15717-15723, 2011 (SCI-Expanded)

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XXIII. **Morphological evaluation and comparison of Hungarian and Turkish melon (Cucumis melo L.) germplasm**
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I. **Effect of Boron Treatment on Pollen Quality and Pollen Tube Growth in Watermelon**

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II. **Kavunda Farklı Çiçeklenme Yapısı ve Tozlama Saatinin Çiçek ve Tohum Kalitesi Üzerine Etkileri**
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III. **Türkiye'de Bitki Genetik Kaynaklarının Mevcut Durumu ve Korunması**
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Türkiye Tarımsal Araştırmalar Dergisi, vol.10, no.3, pp.352-360, 2023 (Peer-Reviewed Journal)

IV. **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)

V. **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.
MDPI AG, vol.2, pp.1-14, 2023 (Peer-Reviewed Journal)

VI. **Effects of Cucurbita, Lagenaria and Citrullus rootstocks on pollen and fruit characters, seed yield and quality of F1 hybrid watermelon**
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VII. **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)

VIII. **Turpta (Raphanus sativus L.) Farklı Yumru Ağırlığı ve Bor Gübrelemesinin Bitki Gelişimi, Bakla Özellikleri, Tohum Verimi, Çimlenme ve Çıkış Üzerine Etkileri**
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IX. **Aşılamanın Melez Karpuz Tohumlarında Çimlenme ve Çıkış Özellikleri Üzerine Etkileri**
Aras V., SARI N., SOLMAZ İ.
Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, pp.3372-3382, 2021 (Peer-Reviewed Journal)

X. **Farklı Anaçlar Üzerine Aşılanan Kırkağaç Kavunlarının Meyve Özelliklerinin Araştırılması**
NAMLI M., KASAPOĞLU S., SOLMAZ İ.
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XI. **Effects of Grafting on Germination and Emergence Characteristics of Hybrid Watermelon Seeds**
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Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, pp.3372-3382, 2021 (Peer-Reviewed Journal)

XII. **Determination of Some Agronomic and Fruit Quality Characteristics of Some Watermelon Accessions from Turkish Watermelon Germplasm**
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XIII. **Farklı Anaçların Aşılı Hıyarlarda (Cucumis sativus L.) Bitki Gelişimi, Verimve Meyve Özelliklerine Etkileri**
DAMAR E., SOLMAZ İ.
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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)

XV. **Farklı anaçlar üzerine aşılamanın karpuzun bitki büyümesi üzerine etkileri**
Aras V., SARI N., SOLMAZ İ.
Alatarım, vol.19, no.2, 2020 (Peer-Reviewed Journal)

XVI. **Effects of grafting onto different rootstocks on watermelon plant growths**
ARAS V., SARI N., SOLMAZ İ.
Alatarım, vol.19, no.2, pp.57-65, 2020 (Peer-Reviewed Journal)

XVII. **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)

XVIII. **Karpuz Melezlerinde Tohum Kabuk Rengi KalıtımınınBelirlenmesi**
YALÇIN S., SARI N., SOLMAZ İ.
Alatarım, vol.19, no.1, pp.34-41, 2020 (Peer-Reviewed Journal)

XIX. **Determination of the seed coat color inheritance in some watermelon hybrids**
YALÇIN S., SARI N., SOLMAZ İ.
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XX. **Katlanmış Haploidi Tekniği ile Geliştirilen Bazı Kırkağaç Kavun (Cucumis melo L. var.inodorus) Melezlerinin Tarımsal Özellikleri**
SARI N., SOLMAZ İ., Biçer İ., NAMLI M.
Alatarım, vol.2, no.17, pp.118-127, 2018 (Peer-Reviewed Journal)

XXI. **Agronomic performance of some Kirkagac melon (Cucumis melo L. var. inodorus) hybrids developed by doubled haploidy technique.**
SARI N., SOLMAZ İ., BİÇER İ., NAMLI M.
Alatarım, vol.17, no.2, pp.118-127, 2018 (Peer-Reviewed Journal)

XXII. **Effects of ABA Application on Plant Growth, Sex Expression and Pollen Quality in Melon**
SOLMAZ İ., kartal e., SARI N.
Turkish Journal of Agriculture-Food Scienceand Tech, vol.6, no.9, pp.1224-1228, 2018 (Peer-Reviewed Journal)

XXIII. **Effect of Different Doses of Nitrogen and Potassium Fertilization on Yield and NutrientUptake 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.
International Journal of Agricultural and Natural Sciences, vol.1, no.3, pp.228-232, 2018 (Peer-Reviewed Journal)

XXIV. **Farklı Dozlarda Kükürt Uygulamasının Turp (Raphanus sativus L.)'ta Verim ve Kalite Üzerine Etkileri**
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XXV. **Çekirdekli Mini Karpuz Melezlerinin Bazı Tarımsal Özelliklerinin Belirlenmesi.**
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XXIX. **Morphological characterization of Korean and Turkish watermelon germplasm**
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Korean Journal of Agricultural Science, vol.41, no.4, pp.309-314, 2014 (Peer-Reviewed Journal)

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Books & Book Chapters

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in: Sebze Yetiştiriciliği, Gökhan Baktemur, Editor, İKSAD, Ankara, pp.305-334, 2023

II. **Kavun Yetiştiriciliği**
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III. **Melon (Cucumis melo L.): Genomics and Breeding**
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V. **Watermelon Genetic Resources and Diversity**
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VIII. **Karpuz Islahı**
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XI. **Bitki Islahında Temel kavramlar ve Islah Yöntemleri**
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XIV. **Determining the agronomic characteristics of Turkish watermelon genotypes for developing breeding lines**
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11th International Molecular Biology and Biotechnology Congress-Proceedings Book, Turkey, 10 - 12 October 2022, pp.107-114

II. **HAPLOID PLANT PRODUCTION TECHNOLOGY IN CUCUMBER (CUCUMIS SATIVUS L.)**
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10th International Molecular Biology and Biotechnology Congress (04-08 Oct. 2021), Adana, Turkey, 04 August 2021 - 04 January 2022

III. **El aumento de la diversidad genética del cultivo de tomate puede mejorar la tolerancia a sequía**
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