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Personal Information

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Education Information

Doctorate, University of Reading, Department Of Agriculture, United Kingdom 1988 - 1992

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Bahçe Bitkileri (Yıl) (Tezli), Turkey 1985 - 1987

Undergraduate, Ankara University, Ziraat Fakültesi, Bahçe Bitkileri Bölümü, Turkey 1981 - 1985

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Changes in seed quality during developement in tomato pepper and marrow, University of Reading, Department Of Agriculture, 1992

Postgraduate, Ankara koşullarında yetiştirilen yabancı kökenli bazı üzüm çeşitlerinin ampelografik özelliklerinin belirlenmesi üzerinde araştırmalar, Ankara University, Fen Bilimleri Enstitüsü, Bahçe Bitkileri (Yıl) (Tezli), 1987

Research Areas

Agricultural Sciences, Agriculture

Academic and Administrative Experience

Ankara University, 2013 - 2017

Ankara University, 1999 - 2001

Courses

Sıcak iklim Sebzeleri, Undergraduate, 2022 - 2023

Genel Sebzecilik, Undergraduate, 2021 - 2022

Sebze Tohum Teknolojisinin Temel Esasları, Postgraduate, 2017 - 2018

Sebze Tohum Teknolojisi, Undergraduate, 2017 - 2018, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2007 - 2008
Tohum Fizyolojisi, Postgraduate, 2017 - 2018, 2013 - 2014, 2012 - 2013
Bahçe Bitkileri, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009
Sebzelerde tohum kaplama teknikleri, Doctorate, 2013 - 2014, 2012 - 2013
Tohum uygulamaları, Postgraduate, 2013 - 2014, 2012 - 2013

Advising Theses

DEMİR İ., Hızlandırılmış kontrollü bozulma tohum gücü testinin pırasa ve soğan tohum partilerinde depo ömrünün tahmininde kullanılması, Postgraduate, C.EKŞİ(Student), 2010

DEMİR İ., Uygulama sonrası depolamanın kontrollü nemlendirilmiş biber ve patlıcan tohumlarının kalitesine etkisi, Postgraduate, S.MİS(Student), 2008

Jury Memberships

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Hatay Mustafa Kemal University, February, 2024

Doctorate, Doctorate, Ankara University, December, 2023

Associate Professor Exam, Associate Professor Exam, Ankara University, December, 2023

Doctorate, Doctorate, Ankara University, December, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Iğdır University, December, 2023

Doctoral Examination, Doctoral Examination, Ankara University, December, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Ankara Üniversitesi, March, 2023

Taught Courses And Trainings

Demir İ., Proje yazım kursu, 2018 - 2018

Demir İ., Uluslararası Yayın nasıl yapılır ?, 2014 - 2014

Demir İ., Seed treatments to extend seed quality and production efficiency in various environments, 2010 - 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Karrikinolide stimulated seed germination of artificially aged marrow, cabbage and pepper seeds through repair of cell structure and enzyme activity
Gokdas Z., Yıldırım E., Gupta S., Demir İ.
South African Journal of Botany, vol.151, pp.208-213, 2022 (SCI-Expanded)
- II. Improved water productivity in summer squash under water deficit with PGPR and synthetic methyl amine applications
Yıldırım E., Ekinci M., Şahin Ü., Örs Çirkı S., Turan M., Demir İ., Dursun A., Kotan R.
RHIZOSPHERE, vol.20, 2021 (SCI-Expanded)
- III. Quality of Immature and Mature Pepper (*Capsicum annuum L.*) Seeds in Relation to Bio-Priming with Endophytic Pseudomonas and *Bacillus* spp.
Yıldırım K. C., CANİK OREL D., Okyay H., Gursan M. M., DEMİR İ.
HORTICULTURAE, vol.7, no.4, 2021 (SCI-Expanded)
- IV. Seed vigour evaluation in petunia seed lots to predict seedling emergence and longevity

- DEMİR İ., Erturk N., Gokdas Z.
SEED SCIENCE AND TECHNOLOGY, vol.48, no.3, pp.391-400, 2020 (SCI-Expanded)
- V. **Longevity of organic pepper (*Capsicum annuum* L.) seeds**
Yildirim K. C., Ozden E., Gokdas Z., DEMİR İ.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.48, no.3, pp.1483-1494, 2020 (SCI-Expanded)
- VI. **The Change in Photosynthetic Activity and Leaf Water Content of Squash Plants Treated with Bacteria and Methylamine under Drought Conditions**
YILDIRIM E., ÖRS CIRIK S., EKİNCİ M., TURAN M., ŞAHİN Ü., DURSUN A., KOTAN R., DEMİR İ.
HORTSCIENCE, vol.53, no.9, 2018 (SCI-Expanded)
- VII. **Effects of Bacteria and Methylamine on Yield and Plant Growth of Squash under Water Stress**
EKİNCİ M., ÖRS CIRIK S., YILDIRIM E., ŞAHİN Ü., DURSUN A., KOTAN R., TURAN M., DEMİR İ.
HORTSCIENCE, vol.53, no.9, 2018 (SCI-Expanded)
- VIII. **Priming with smoke-derived karrikinolide enhances germination and transplant quality of immature and mature pepper seed lots**
DEMİR İ., Ozden E., Yildirim K. C., Sahin O., Van Staden J.
SOUTH AFRICAN JOURNAL OF BOTANY, vol.115, pp.264-268, 2018 (SCI-Expanded)
- IX. **Solid Matrix Priming Treatment with O-2 Enhanced Quality of Leek Seed Lots**
Ozden E., Ermis S., ŞAHİN Ö., TAŞKIN M. B., DEMİR İ.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.46, no.2, pp.371-375, 2018 (SCI-Expanded)
- X. **Radicle Emergence Test Estimates Predictions of Percentage Normal Seedlings in Standard Germination Tests of Aubergine (*Solanum melongena* L.) Seed Lots**
Ozden E., Ozdamar C., DEMİR İ.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.46, no.1, pp.177-182, 2018 (SCI-Expanded)
- XI. **Prediction of germination of commercially available seed lots by regression models developed by artificial and natural ageing and electrical conductivity in leek**
Ozden E., ALBAYRAK DELİALİOĞLU R., Hussein S., DEMİR İ.
SEED SCIENCE AND TECHNOLOGY, vol.45, no.2, pp.465-474, 2017 (SCI-Expanded)
- XII. **Solid Matrix Priming of Cabbage Seed Lots: Repair of Ageing and Increasing Seed Quality**
Ermis S., Kara F., Ozden E., DEMİR İ.
JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGİSİ, vol.22, no.4, pp.588-595, 2016 (SCI-Expanded)
- XIII. **Use of a single radicle emergence count as a vigour test in prediction of seedling emergence potential of leek seed lots**
Ermis S., Karslioglu M., Ozden E., DEMİR İ.
SEED SCIENCE AND TECHNOLOGY, vol.43, no.2, pp.308-312, 2015 (SCI-Expanded)
- XIV. **Early radicle emergence count after controlled deterioration (CD) predicts emergence potential better than final standard germination after CD in tomato varieties**
Ermis S., Ozden E., DEMİR İ.
SEED SCIENCE AND TECHNOLOGY, vol.43, no.2, pp.278-283, 2015 (SCI-Expanded)
- XV. **Electrical conductivity of seed soak water predicts seedling emergence and seed storage potential in commercial seed lots of radish**
Mavi K., Mavi F., DEMİR İ., Matthews S.
SEED SCIENCE AND TECHNOLOGY, vol.42, no.1, pp.76-86, 2014 (SCI-Expanded)
- XVI. **Chlorophyll Fluorescence Sorting Method to Improve Quality of Capsicum Pepper Seed Lots Produced from Different Maturity Fruits**
KENANOĞLU B. B., DEMİR İ., Jalink H.
HORTSCIENCE, vol.48, no.8, pp.965-968, 2013 (SCI-Expanded)
- XVII. **Evaluation of seed quality: from physiology to international standardization**
Matthews S., Noli E., DEMİR İ., Khajeh-Hosseini M., Wagner M. -
SEED SCIENCE RESEARCH, vol.22, 2012 (SCI-Expanded)
- XVIII. **Electrical conductivity measurement to predict germination of commercially available radish seed**

lots

DEMİR İ., Cebeci C., Guloksuz T.

SEED SCIENCE AND TECHNOLOGY, vol.40, no.2, pp.229-237, 2012 (SCI-Expanded)

XIX. Vigor Tests to Estimate Seedling Emergence Potential and Longevity in Viola Seed Lots

DEMİR İ., Celikkol T., SARIKAMIŞ G., Eksi C.

HORTSCIENCE, vol.46, no.3, pp.402-405, 2011 (SCI-Expanded)

XX. Determination of seed moisture constants (K-E, C-W) for the viability equation for watermelon, melon, and cucumber seeds

DEMİR İ., Kenanoglu B. B., Hay F., Mavi K., Celikkol T.

SEED SCIENCE AND TECHNOLOGY, vol.39, no.2, pp.527-532, 2011 (SCI-Expanded)

XXI. The use of a shortened controlled deterioration vigour test in predicting field emergence and longevity of onion seed lots

Eksi C., DEMİR İ.

SEED SCIENCE AND TECHNOLOGY, vol.39, no.1, pp.190-198, 2011 (SCI-Expanded)

XXII. Effect of priming treatment on germination at stressful temperatures, fatty acid, sugar content and enzymatic activity of pepper seeds Priming uygulamasının biber tohumlarının stres sıcaklıklarında çimlenme, yağ asitleri, şeker kapsamı ve enzim aktivitesi üzerine etkisi

Kaya G., DEMİR İ., TEKİN A., Yaşar F., Demir K.

Tarım Bilimleri Dergisi, vol.16, no.1, pp.9-16, 2010 (SCI-Expanded)

XXIII. Positive effect of smoke-derived butenolide priming on melon seedling emergence and growth

Mavi K., Light M. E., DEMİR İ., van Staden J., Yasar F.

NEW ZEALAND JOURNAL OF CROP AND HORTICULTURAL SCIENCE, vol.38, no.2, pp.147-155, 2010 (SCI-Expanded)

XXIV. Mean germination time estimates the relative emergence of seed lots of three cucurbit crops under stress conditions

Mavi K., DEMİR İ., Matthews S.

SEED SCIENCE AND TECHNOLOGY, vol.38, no.1, pp.14-25, 2010 (SCI-Expanded)

XXV. Derivation of Constants (K-E, C-W) for the Viability Equation for Pepper Seeds and the Subsequent Test of Its Applicability

DEMİR İ., Kenanoglu B. B., Mavi K., Celikkol T., Hay F., Sarıyıldız Z.

HORTSCIENCE, vol.44, no.6, pp.1679-1682, 2009 (SCI-Expanded)

XXVI. Vigour tests for cabbage seeds using electrical conductivity and controlled deterioration to estimate relative emergence in transplant modules

Matthews S., DEMİR İ., Celikkol T., Kenanoglu B. B., Mavi K.

SEED SCIENCE AND TECHNOLOGY, vol.37, no.3, pp.736-746, 2009 (SCI-Expanded)

XXVII. Improving seedling growth of unaged and aged aubergine seeds with smoke-derived butenolide

DEMİR İ., Light M. E., Van Staden J., Kenanoglu B. B., Celikkol T.

SEED SCIENCE AND TECHNOLOGY, vol.37, no.1, pp.255-260, 2009 (SCI-Expanded)

XXVIII. Effect of Salt and Osmotic Stresses on the Germination of Pepper Seeds of Different Maturation Stages

DEMİR İ., Mavi K.

BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.51, no.5, pp.897-902, 2008 (SCI-Expanded)

XXIX. Mean germination time of pepper seed lots (*Capsicum annuum L.*) predicts size and uniformity of seedlings in germination tests and transplant modules

DEMİR İ., Ermis S., Mavi K., Matthews S.

SEED SCIENCE AND TECHNOLOGY, vol.36, no.1, pp.21-30, 2008 (SCI-Expanded)

XXX. Prediction of germination and vigour in naturally aged commercially available seed lots of cabbage (*Brassica oleracea var. capitata*) using the bulk conductivity method

DEMİR İ., Mavi K., Kenanoglu B. B., Matthews S.

SEED SCIENCE AND TECHNOLOGY, vol.36, no.3, pp.509-523, 2008 (SCI-Expanded)

XXXI. Seed Quality, and Fatty Acid and Sugar Contents of Pepper Seeds (*Capsicum annuum L.*) in Relation

- to Seed Development and Drying Temperatures**
DEMİR İ., TEKİN A., Okmen A., Okcu G., Kenanoglu B. B.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.32, no.6, pp.529-536, 2008 (SCI-Expanded)
- XXXII. Controlled deterioration and accelerated ageing tests to predict seedling emergence of watermelon under stressful conditions and seed longevity**
Mavi K., DEMİR İ.
SEED SCIENCE AND TECHNOLOGY, vol.35, no.2, pp.445-459, 2007 (SCI-Expanded)
- XXXIII. Effect of Priming on Germination of *Lagenaria siceraria* Genotypes at Low Temperatures**
Kenanoglu B. B., DEMİR İ., Mavi K., YETİŞİR H., Keles D.
JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGİSİ, vol.13, no.3, pp.169-175, 2007 (SCI-Expanded)
- XXXIV. Dry and ultra-dry storage of pepper, aubergine, winter squash, summer squash, bean, cowpea, okra, onion, leek, cabbage, radish, lettuce and melon seeds at 20 degrees C and 20 degrees C over five years**
DEMİR İ., Ozcoban M.
SEED SCIENCE AND TECHNOLOGY, vol.35, no.1, pp.165-175, 2007 (SCI-Expanded)
- XXXV. Changes in germination percentages, protein and lipid contents of primed pepper seeds during storage**
Basay S., Surmeli N., Okcu G., DEMİR İ.
ACTA AGRICULTURA SCANDINAVICA SECTION B-SOIL AND PLANT SCIENCE, vol.56, no.2, pp.138-142, 2006 (SCI-Expanded)
- XXXVI. Controlled deterioration test for predicting seedling emergence and longevity of pepper (*Capsicum annuum* L.) seed lots**
Basak O., DEMİR İ., Mavi K., Matthews S.
SEED SCIENCE AND TECHNOLOGY, vol.34, no.3, pp.701-712, 2006 (SCI-Expanded)
- XXXVII. Controlled deterioration for vigour assessment and predicting seedling growth of winter squash (*Cucurbita maxima*) seed lots under salt stress**
Mavi K., DEMİR İ.
NEW ZEALAND JOURNAL OF CROP AND HORTICULTURAL SCIENCE, vol.33, no.2, pp.193-197, 2005 (SCI-Expanded)
- XXXVIII. Vigour tests for predicting seedling emergence of aubergine (*Solanum melongena* L.) seed lots**
DEMİR İ., Ermis S., Okcu G., Matthews S.
SEED SCIENCE AND TECHNOLOGY, vol.33, no.2, pp.481-484, 2005 (SCI-Expanded)
- XXXIX. Effect of post-harvest maturation treatment on germination and potential longevity of pepper (*Capsicum annuum*) seeds**
Demir İ., Okcu G.
INDIAN JOURNAL OF AGRICULTURAL SCIENCES, vol.75, no.1, pp.19-22, 2005 (SCI-Expanded)
- XL. The effect of priming on seedling emergence of differentially matured watermelon (*Citrullus lanatus* (Thunb.) Matsum and Nakai) seeds**
DEMİR İ., Mavi K.
SCIENTIA HORTICULTURAE, vol.102, no.4, pp.467-473, 2004 (SCI-Expanded)
- XLI. Changes in germination and potential longevity of watermelon (*Citrullus lanatus*) seeds during development**
DEMİR İ., Mavi K., Oztokat C.
NEW ZEALAND JOURNAL OF CROP AND HORTICULTURAL SCIENCE, vol.32, no.1, pp.139-145, 2004 (SCI-Expanded)
- XLII. Aerated hydration treatment for improved germination and seedling growth in aubergine (*Solanum melongena*) and pepper (*Capsicum annuum*)**
DEMİR İ., Okcu G.
ANNALS OF APPLIED BIOLOGY, vol.144, no.1, pp.121-123, 2004 (SCI-Expanded)
- XLIII. Improvement of okra seed germination by drying within the fruit during development and after-**

- ripening treatment**
DEMİR İ., Ermis S.
ACTA AGRICULTURAE SCANDINAVICA SECTION B-SOIL AND PLANT SCIENCE, vol.54, no.1, pp.38-41, 2004 (SCI-Expanded)
- XLIV. Accelerated ageing test of aubergine, cucumber and melon seeds in relation to time and temperature variables**
DEMİR İ., Ozden Y., YILMAZ K.
SEED SCIENCE AND TECHNOLOGY, vol.32, no.3, pp.851-855, 2004 (SCI-Expanded)
- XLV. Seed quality in winter squash (*Cucurbita maxima* L.) seeds stored at high moisture content in the fruit after harvest**
DEMİR İ., Eraslan K., Sarıyıldız Z.
EUROPEAN JOURNAL OF HORTICULTURAL SCIENCE, vol.68, no.5, pp.201-203, 2003 (SCI-Expanded)
- XLVI. Effect of controlled hydration treatment on germination and seedling growth under salt stress during development in tomato seeds**
DEMİR İ., Ermis S.
EUROPEAN JOURNAL OF HORTICULTURAL SCIENCE, vol.68, no.2, pp.53-58, 2003 (SCI-Expanded)
- XLVII. Effect of salt priming on germination and seedling growth at low temperatures in watermelon seeds during development**
DEMİR İ., Oztokat C.
SEED SCIENCE AND TECHNOLOGY, vol.31, no.3, pp.765-770, 2003 (SCI-Expanded)
- XLVIII. Effect of controlled hydration treatments on storage longevity of aubergine seeds during development**
DEMİR İ., Mavi K.
ISRAEL JOURNAL OF PLANT SCIENCES, vol.51, no.4, pp.291-295, 2003 (SCI-Expanded)
- XLIX. Effect of salt stress on germination and seedling growth in serially harvested aubergine (*Solanum melongena* L.) seeds during development**
DEMİR İ., Mavi K., Ozcoban M., Okcu G.
ISRAEL JOURNAL OF PLANT SCIENCES, vol.51, no.2, pp.125-131, 2003 (SCI-Expanded)
- L. Effect of controlled hydration treatment on quality of aubergine seeds following storage.**
DEMİR İ.
PHYTON-ANNALES REI BOTANICAE, vol.43, no.2, pp.307-317, 2003 (SCI-Expanded)
- LI. Seed development and maturation in aubergine (*Solanum melongena* L.)**
DEMİR İ., Mavi K., Sermenli T., Ozcoban M.
GARTENBAUWISSENSCHAFT, vol.67, no.4, pp.148-154, 2002 (SCI-Expanded)
- LII. The effect of controlled hydration treatment on germination and seedling emergence of unaged and aged pepper seeds during development**
DEMİR İ.
ISRAEL JOURNAL OF PLANT SCIENCES, vol.50, no.4, pp.251-257, 2002 (SCI-Expanded)
- LIII. Quality of tomato seeds as affected by fruit maturity at harvest and seed extraction method**
DEMİR İ., Samit Y.
GARTENBAUWISSENSCHAFT, vol.66, no.4, pp.199-202, 2001 (SCI-Expanded)
- LIV. The effects of heat treatment on hardseededness of serially harvested okra seed lots at optimum and low temperatures**
DEMİR İ.
SCIENTIA HORTICULTURAE, vol.89, no.1, pp.1-7, 2001 (SCI-Expanded)
- LV. Seed quality in relation to fruit maturation and seed dry weight during development in tomato**
DEMİR İ., Samit Y.
SEED SCIENCE AND TECHNOLOGY, vol.29, no.2, pp.453-462, 2001 (SCI-Expanded)
- LVI. The effect of heat treatment of watermelon seed on germination, hypocotyl emergence and abscisic acid content**
Demir İ., Van de Venter H.

- EXPERIMENTAL AGRICULTURE, vol.36, no.4, pp.453-458, 2000 (SCI-Expanded)
- LVII. **The effect of priming treatments on the performance of watermelon (*Citrullus lanatus* (Thunb.) Matsum. & Nakai) seeds under temperature and osmotic stress**
DEMİR İ., van de Venter H.
SEED SCIENCE AND TECHNOLOGY, vol.27, no.3, pp.871-875, 1999 (SCI-Expanded)
- LVIII. **Seed moisturization as an enhancement treatment for emergence and seedling growth in bean (*Phaseolus vulgaris* L.)**
Demir İ., Gunay A., Ceylan Y.
SEED SCIENCE AND TECHNOLOGY, vol.26, no.2, pp.281-288, 1998 (SCI-Expanded)
- LIX. **The effects of testa colour temperature and seed moisture content on the occurrence of imbibition damage in beans**
DEMİR İ.
Turkish Journal of Agriculture and Forestry, vol.20, no.4, pp.295-298, 1996 (SCI-Expanded)
- LX. **DEVELOPMENT OF PEPPER (*CAPSICUM-ANNUUM*) SEED QUALITY**
DEMİR İ., ELLIS R.
ANNALS OF APPLIED BIOLOGY, vol.121, no.2, pp.385-399, 1992 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effect of ultrasonic treatment on seed germination and seedling emergence in seven vegetable species**
Memiş N., MUHIE S., Njie E. S., ŞAHİN G., DEMİR İ.
Anadolu Tarım Bilimleri Dergisi, vol.37, no.1, pp.57-66, 2022 (Peer-Reviewed Journal)
- II. **Can raw zeolite be used for post harvest pepper seed drying?**
Özdamar C., Yıldırım K. C., Ermiş S., Demir I.
International Journal of Agriculture, Environment and Food Sciences, vol.6, no.3, pp.340-345, 2022 (Peer-Reviewed Journal)
- III. **Vacuum Versus Open Air Storage for Pepper (*Capsicum annuum* L.) Seed Longevity with Low Temperature and Seed Moisture Content Over 48 Months**
Yıldırım K. C., Öztürk A., Demir I.
Horticultural Studies, vol.38, no.2, pp.110-115, 2021 (Peer-Reviewed Journal)
- IV. **Wood Charcoal and Ash to Maintain Seed Quality during Storage for Vegetable Seeds**
Njie E. S., Memiş N., Özdamar C., Demir I.
Horticultural Studies, vol.38, no.2, pp.94-100, 2021 (Peer-Reviewed Journal)
- V. **Effect of hydro-priming on seed germination and early seedling growth in three cucurbit rootstock cultivars under salt and osmotic stresses**
ERMIŞ S., Öktem G., GÖKDAŞ Z., DEMİR İ.
Journal of Agricultural Biotechnology, vol.2, no.1, pp.1-5, 2021 (Peer-Reviewed Journal)
- VI. **Longevity of cabbage leek and marrow seeds in relation to storage at ambient regional storage temperatures with various seed moisture contents**
DEMİR İ., MAVİ K., GÖKDAŞ Z., KÖSE E.
Alatarım, vol.20, no.1, pp.1-11, 2021 (Peer-Reviewed Journal)
- VII. **Radicle emergence test predicts normal germination percentages of onion seed lots with different cultivars and genotypes**
DEMİR İ., ÖZDEN E., Gökdaş Z., NJie E. S., Aydin M.
MUSTAFA KEMAL UNIVERSITY JOURNAL OF AGRICULTURAL SCIENCES (MKUJAS), vol.25, no.3, pp.434-442, 2020 (Peer-Reviewed Journal)
- VIII. **Effect of solid matrix priming with seaweed extract on germination and seedling performance of onion seeds under abiotic stress conditions**
DEMİR İ., Memiş N., Muhib S., Ozdamar C., Gokdas Z., Njie E.

- Black Sea Journal of Agriculture, vol.3, no.4, pp.233-238, 2020 (Peer-Reviewed Journal)
- IX. **Changes in seed germination during storage of flower seeds : Species differences**
DEMİR İ., Gokdas Z., Türer Eken N. I.
Uluslararası Tarım ve Yaban Hayatı Bilimleri Dergisi, vol.6, no.3, pp.416-422, 2020 (Peer-Reviewed Journal)
- X. **Evaluation of Seed Vigour in White Coat French Bean (*Phaseolus vulgaris L.*) Seed Lots Under Waterlogged or Field Capacity Conditions**
ÖZDEN E., ERMİŞ S., DEMİR İ.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, no.4, pp.1860-1865, 2019 (Peer-Reviewed Journal)
- XI. **The Effect of Fluid Drilling on Seedling Quality of Cucurbit Rootstock Seeds at Low Temperature Sowing**
Özden E., Ermiş S., Küçükhusayin E. B., Demir I.
Alatarım, vol.17, no.2, pp.128-133, 2018 (Peer-Reviewed Journal)
- XII. **AFTER-RIPENING INCREASED SEED GERMINATION IN COMMERCIAL AUBERGINE SEED LOTS**
ÖZDEN E., DEMİR İ.
Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Horticulture, vol.75, no.1, pp.53-58, 2018 (Peer-Reviewed Journal)
- XIII. **Klorofil Floresan Ayrım Metodunun Tohum Kalitesinin İyileştirilmesinde Kullanımı**
DEMİR İ., KENANOĞLU B. B.
TÜRKTOB Türkiye Tohumcular Birliği Dergisi, 2018 (Peer-Reviewed Journal)
- XIV. **Seed priming increases germinations and seedling quality in *Antirrhinum*, *Dahia*, *Impatiens*, *Salvia* and *Zinnia* Seeds**
Özden E., Ermiş S., Demir I.
Journal of Ornamental Plants, vol.7, no.3, pp.171-176, 2017 (Peer-Reviewed Journal)
- XV. **The Effect of Priming Treatments on Germination and Seedling Performance of Purslane (*Portulaca oleracea*) Seed Lots**
ÖZDEN E., DEMİR İ.
Bulletin of University of Agricultural Science and Veterinary Medicine Cluj-Napoca. Horticulture, 2017 (Peer-Reviewed Journal)
- XVI. **GA3 ENHANCED SEED GERMINATION OF *SOLANUM TORVUM***
ÖZDEN E., DEMİR İ.
Radovi Poljoprivredno-prehrabrenog fakulteta Univerziteta u Sarajevu, vol.61, no.66, pp.316-320, 2016 (Peer-Reviewed Journal)
- XVII. **Pre treatment Germination Percentages Affected the Advantage of Priming Treatment in Pepper Seeds**
Ermiş S., ÖZDEN E., Enjie E., DEMİR İ.
American Journal of Experimental Agriculture, vol.13, no.1, pp.1-7, 2016 (Peer-Reviewed Journal)
- XVIII. **Effects of Ambient Storage Temperature and Seed Moisture Content on Seed Longevity of Lettuce *Lactuca sativa***
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- I. **Fide yetişiriciliğinde Tohum Kalitesi ve Tohum Uygulamalarının Önemi**
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- III. **Effects of Bacteria and Methylamine Application on Morphology of Squash Seedlings under Drought Stress**
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- IV. **Gas Exchange Parameters of Squash Seedlings Inoculated with Bacteria and Methylamine under Drought Stress**
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VI. Süs Bitkileri Kongresi, Turkey, 19 - 22 April 2016, pp.97-102
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- XXVIII. **Electrical Conductivity Relates Seed Germination in Leek**
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I. European Conference of Post Graduate Horticulture Scientists, Palermo, Italy, 19 - 21 May 2016
- XXIX. **The effects of seed moisture content and regional storage temperature on the longevity of two onion cultivars**
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28th International Horticultural Congress, Lisbon, Portugal, 22 August 2010, pp.630
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MİS S., KENANOĞLU B. B., DEMİR İ.

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- XL. **Kavun tohum partilerinin Fide çıkış oranlarının tahmininde kontrollü bozulma ve hızlı yaşlandırma testlerinin kullanımı**
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- XLI. **Mean germination time of seed lots of pepper predicts size and uniformity of seedlings in germination tests and transplant modules**

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- XLII. **Biber tohumlarında tuz ve kuraklık stresinde çimlenme ve olgunluk ilişkisi**
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Sebze Tarımı Sempozyumu, Turkey, 21 - 24 September 2004

- XLIII. **Kontrollü nemlendirmenin yaşlandırılmış kavun tohumlarının çimlenme oranı ve hızına etkisi**
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5. Sebze Tarımı Sempozyumu, Turkey, 21 - 24 September 2004

- XLIV. **Bamya tohuymalarında sert kabukluluğun giderilmesine yönelik bazı uygulamların depolama sırasındaki etkilerinin belirlenmesi**

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5. Sebze Tarımı Sempozyumu, Turkey, 21 - 24 September 2004

- XLV. **Effect of salt priming on seedling emergence and growth of watermelon seeds during development**
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ISTA Seed Symposium, 17 - 19 May 2004

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- XLVIII. **Biberde termodormansiyi kırmak amacıyla tohum uygulamalarından yararlanma olanakları**
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- XLIX. **Bazı biber çeşitlerinde olgunluk dönemi ve kurutma sıcaklıklarının tohum kalitesine etkileri**
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- LI. **Determination of appropriate ageing test conditions for cucurbit seeds**
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- LIII. **Farklı tuz konsantrasyonlarının fasulye çeşitlerinde çimlenme çıkış ve fide gelişmesi üzerine etkileri**
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GAP 1. Sebze Tarımı Sempozyumu, Turkey, 7 - 10 May 1996

- LIV. **Fasulyede tohum neminin çıkış oranı ve fide gelişmesine etkileri**
Ceylan Y., Günay A., DEMİR İ.

- GAP 1. Sebze Tarımı Sempozyumu, Turkey, 7 - 09 May 1996
- LV. Effects of PEG Polyethylene Glycol 6000 treatment on the germination and emergence of pepper and eggplant seeds at low temperatures
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ISTA/ISHS Symposium, Tecnological Advances in Variety and Seed Research, 31 May - 03 June 1994
- LVI. Hardseededness and afterripening in okra seeds
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ISTA/ISHS Symposium, Tecnological Advances in Variety and Seed Research, 31 May - 03 June 1994
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- LVIII. Development of seed quality during seed development in okra
DEMİR İ.
International Symposium on Agrotechnics and Storage of Vegetable and Ornamental Seeds/5th International Symposium on Seed Research in Horticulture, Bari, Italy, 14 - 16 June 1993, pp.125-131
- LIX. The effect of different priming treatments on reparability of aged eggplant seeds
DEMİR İ., ELLİALTIOĞLU S., TIPIRDAMAZ R.
International Symposium on Agrotechnics and Storage of Vegetable and Ornamental Seeds/5th International Symposium on Seed Research in Horticulture, Bari, Italy, 14 - 16 June 1993, pp.205-212
- LX. Changes in seed quality during seed developmentin contrasting crops
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Fourth International Workshop on Seeds, 20 - 24 July 1992, vol.3, pp.897-903
- LXI. Ülkemizde asma fidanı üretiminin bugünkü durumu
ÇELİK H., DEMİR İ., MARASALI B.
Türkiye 1.Fidancılık Sempozyumu, Tokat, Turkey, 26 - 28 November 1987, pp.59-68

Activities in Scientific Journals

Horticulture Studies, Advisory Committee Member, 2021 - Continues
 SEED SCIENCE AND TECHNOLOGY, Committee Member, 2012 - Continues
 SOUTH AFRICAN JOURNAL OF BOTANY, Committee Member, 2017 - 2024
 TUBİTAK Tarım ve Ormancılık Dergisi, Committee Member, 2008 - 2015
 TARIM BİLİMLERİ DERGİSİ, Committee Member, 2008 - 2011

Memberships / Tasks in Scientific Organizations

International Seed Testing Association, Member of Science Committee, 2012 - Continues, Switzerland
 Bahçe Bitkileri Derneği, Principal Member, 2000 - Continues, Turkey

Scientific Refereeing

AGRONOMY, Journal Indexed in SCI-E, March 2024
 LIFE-BASEL, Journal Indexed in SCI-E, March 2024
 SCIENTIFIC REPORTS, Journal Indexed in SCI-E, February 2024
 SOUTH AFRICAN JOURNAL OF BOTANY, Journal Indexed in SCI-E, February 2024
 TAGEM Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü Projesi, Ankara Üniversitesi, Turkey, February 2024
 Project Supported by Public Organizations in Other Countries, South Africa's National Research Foundation (NRF),
 South Africa, February 2024

PLANTS, Journal Indexed in SCI-E, October 2023

BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, Journal Indexed in SCI-E, October 2023

Horticulturae, Journal Indexed in SCI-E, September 2023

SOUTH AFRICAN JOURNAL OF BOTANY, Journal Indexed in SCI-E, December 2022

SEED SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, December 2022

SCIENTIFIC REPORTS, Journal Indexed in SCI-E, December 2022

Tasks In Event Organizations

Demir İ., INTERNATIONAL PLANT GENETIC RESOURCES SYMPOSIUM, Scientific Congress, İzmir, Turkey, Kasım 2023

Demir İ., 13th ISTA SEED SYMPOSIUM, Scientific Congress, Antalya, Turkey, Mayıs 2013

Demir İ., 4. Tohumculuk Kongresi, Scientific Congress, Samsun, Turkey, Haziran 2011

Demir İ., Türkiye 3. Tohumculuk Kongresi, Scientific Congress, Nevşehir, Turkey, Haziran 2008

Demir İ., Türkiye 2. Tohumculuk Kongresi , Scientific Congress, Adana, Turkey, Kasım 2005

Mobility Activity

Other, Guest Researcher, Bogor Agricultural University, Indonesia, 2019 - 2019

Other Exchange Programme, Guest Researcher, University of Faisalabad, Pakistan, 2018 - 2018

Other, Guest Researcher, Volcani Center, Israel, 2013 - 2013

Erasmus Programme, Lecturing, Univesrity of Life Sciences , Czech Republic, 2013 - 2013

Other, Guest Researcher, Indian Research Institute, India, 2012 - 2012

Other Exchange Programme, Guest Researcher, Tarımsal Araştırma Enstitüsü, India, 2012 - 2012

Other, Scientific Research, Massey University, New Zealand, 2012 - 2012

Post Doc, Post Doc, University of Pretoria, South Africa, 1998 - 1998

Sabbatical Leave, Post Doc, Pretoria Üniversitesi, South Africa, 1995 - 1995

Metrics

Publication: 194

Citation (WoS): 1060

Citation (Scopus): 1242

H-Index (WoS): 18

H-Index (Scopus): 19

Congress and Symposium Activities

ISTA Seed Sempozyum, Attendee, Budapest, Hungary, 2004

Invited Talks

TOHUM ÇALIŞTAYI, Workshop, T. İŞ BANKASI, Turkey, June 2023

Tohum canlılığını neden erken kaybeder, Conference, Tohumculuk sektörünün eğitimi, Turkey, February 2021

Tohum kalitesi: Başarılı bir sebze tarımının vazgeçilmez unsuru, Conference, Erciyes Üniversitesi, Turkey, September 2019

Scholarships

Doktora Bursu, TUBITAK, 1988 - 1992