

Assoc. Prof. GAMZE KAYA

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: JXY-0677-2024

ScopusID: 24474480200

Yoksis Researcher ID: 341243

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Turkey 2002 - 2008

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Turkey 1999 - 2002

Undergraduate, Ankara University, Ziraat Fakültesi, Bahçe Bitkileri Bölümü, Turkey 1995 - 1999

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Biber tohumlarında kontrollü nemlendirme uygulamasının tohum kalitesine etkisi, Ankara University, Fen Bilimleri Enstitüsü, 2008

Postgraduate, Kontrollü nemlendirme uygulamasının sebze tohumlarında tohum gücünü artırma amacıyla kullanımı, Ankara University, Fen Bilimleri Enstitüsü, 2002

Research Areas

Vegetable Breeding and Breeding, Cool Climate Vegetables, Hot Climate Vegetables

Academic Titles / Tasks

Assistant Professor, Bilecik Seyh Edebali University, Ziraat Ve Doğa Bilimleri Fakültesi, Bahçe Bitkileri, 2024 - Continues

Research Assistant, Ankara University, Ziraat Fakültesi, Bahçe Bitkileri Bölümü, 2001 - 2006

Academic and Administrative Experience

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ameliorative effects of foliar potassium nitrate on the growth, physiological, and stomatal properties of lettuce plants under salinity stress**
Kaya G.
Journal of Plant Nutrition, vol.46, no.12, pp.2882-2892, 2023 (SCI-Expanded)
- II. **Plant-and Animal-Derived Biostimulants for Overcoming Salinity Stress by Regulating the Physiological Parameters of Broccoli**
Kaya G.
Polish Journal of Environmental Studies, vol.32, no.6, pp.5129-5136, 2023 (SCI-Expanded)
- III. **The efficiency of prechilling and GA3 for breaking thermodormancy in lettuce**
Kaya G.
JOURNAL OF SEED SCIENCE, vol.44, pp.202244032, 2022 (SCI-Expanded)
- IV. **The efficiency of prechilling and gibberellic acid (GA3) for breaking thermodormancy in lettuce**
Kaya G.
Journal of Seed Science, vol.44, 2022 (SCI-Expanded)
- V. **The relationship between seed vigor and germination performance under various chloride salts in pea**
Kaya G.
Legume Research, vol.44, no.7, pp.793-797, 2021 (SCI-Expanded)
- VI. **Germination, stomatal and physiological response of rocket (*Eruca sativa* L.) to salinity**
Kaya G.
Acta Scientiarum Polonorum, Hortorum Cultus, vol.20, no.4, pp.135-144, 2021 (SCI-Expanded)
- VII. **The effect of planting geometry and seed priming on sunflower yield under rain-fed conditions**
KAYA M. D., Bayramin S., Kaya G.
Fresenius Environmental Bulletin, vol.24, no.11C, pp.4095-4101, 2015 (SCI-Expanded)
- VIII. **Indirect selection of *Cre1* gene in winter wheat populations**
Çalışkan M., Uranbey S., Nicol J., Akar T., Elekçioğlu H., Kaya G.
Archives of Biological Sciences, vol.63, no.1, pp.49-53, 2011 (SCI-Expanded)
- IX. **Response of seeds and pollen of *Onobrychis viciifolia* and *Onobrychis oxyodonta* var. *armena* to NaCl stress**
Beyaz R., Kaya G., UZUN S., SANCAK C.
Scientia Agricola, vol.68, no.4, pp.477-481, 2011 (SCI-Expanded)
- X. **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., DEMİR K.
Tarım Bilimleri Dergisi, vol.16, no.1, pp.9-16, 2010 (SCI-Expanded)
- XI. **Comparative analysis for germination and seedling growth of wheat with some competitive weeds under salinity**
Kaya G., Kaya M. D., Çalışkan M., Arslan Y.
Journal of Food, Agriculture and Environment, vol.7, no.3-4, pp.534-536, 2009 (SCI-Expanded)
- XII. **Dark green colored seeds increase the seed vigor and germination ability in dry green pea (*Pisum Sativum* L.)**
ATAK M., Kaya M. D., Kaya G., KAYA M., Khawar K. M.
Pakistan Journal of Botany, vol.40, no.6, pp.2345-2354, 2008 (SCI-Expanded)
- XIII. **Seed quality, and fatty acid and sugar contents of pepper seeds (*Capsicum annum* L.) in relation to seed development and drying temperatures**

DEMİR İ., TEKİN A., ÖKMEN Z. A., Okçu G., Kenanoğlu B. B.

Turkish Journal of Agriculture and Forestry, vol.32, no.6, pp.529-536, 2008 (SCI-Expanded)

- XIV. **Seed treatments to overcome salt and drought stress during germination in sunflower (*Helianthus annuus* L.)**
Kaya M. D., Okçu G., Atak M., ÇIKILI Y., Kolsarici Ö.
European Journal of Agronomy, vol.24, no.4, pp.291-295, 2006 (SCI-Expanded)
- XV. **Changes in germination percentages, protein and lipid contents of primed pepper seeds during storage**
Basay S., Surmeli N., Okcu G., DEMİR İ.
Acta Agriculturae Scandinavica Section B: Soil and Plant Science, vol.56, no.2, pp.138-142, 2006 (SCI-Expanded)
- XVI. **Effect of post-harvest maturation treatment on germination and potential longevity of pepper (*Capsicum annuum*) seeds**
DEMİR İ., Okcu G.
Indian Journal of Agricultural Sciences, vol.75, no.1, pp.19-22, 2005 (SCI-Expanded)
- XVII. **Effect of dehydration temperature and relative humidity after priming on quality of pepper seeds**
DEMİR İ., ERMİŞ S., Okcu G.
Seed Science and Technology, vol.33, no.3, pp.563-569, 2005 (SCI-Expanded)
- XVIII. **Vigour tests for predicting seedling emergence of aubergine (*Solanum melongena* L.) seed lots**
DEMİR İ., ERMİŞ S., Okçu G., Matthews S.
Seed Science and Technology, vol.33, no.2, pp.481-484, 2005 (SCI-Expanded)
- XIX. **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)
- XX. **Effect of salt stress on germination and seedling growth in serially harvested aubergine (*Solanum melongena* L.) seeds during development**
DEMİR İ., MAVİ K., Ozcoban M., Okcu G.
Israel Journal of Plant Sciences, vol.51, no.2, pp.125-131, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effects of Drought Stress on Germination and Seedling Growth of Seed Primed with Boron in Spinach**
KAYA G.
Journal of agricultural production (Online), vol.5, no.3, pp.201-207, 2024 (Peer-Reviewed Journal)
- II. **Combined Effects of Drought and Low Temperature on Germination and Seedling Growth of Melon Cultivars**
KAYA G.
Black Sea Journal of Agriculture, vol.7, no.2, pp.139-143, 2024 (Peer-Reviewed Journal)
- III. **Effect of irrigation water salinity on morphological and physiological characteristics of celery**
Kaya G.
International Journal of Agriculture, Environment and Food Sciences, vol.7, no.4, pp.913-917, 2023 (Peer-Reviewed Journal)
- IV. **The critical levels of boron for germination and seedling growth of melon**
KAYA G.
Black Sea Journal of Agriculture, vol.6, no.5, pp.472-477, 2023 (Peer-Reviewed Journal)
- V. **The sensitivity of radish cultivars to high temperatures during germination and seedling growth stages**
KAYA G.
International Journal of Agriculture, Environment and Food Sciences, vol.7, no.2, pp.298-304, 2023 (Peer-

Reviewed Journal)

- VI. **Improvement of germination of low viable pepper seeds by seed priming under optimal and suboptimal temperatures**
KAYA G.
International Journal of Agricultural Technology, vol.18, no.5, pp.2047-2056, 2022 (Scopus)
- VII. **The use of germination indices for salinity tolerance classification of pepper cultivars**
KAYA G.
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.7, no.9, pp.1304-1309, 2019 (Peer-Reviewed Journal)
- VIII. **Hydropriming increases germination of lentil (*Lens culinaris Medik.*) under water stress**
SAĞLAM YILMAZ S., DAY S., KAYA G., GÜRBÜZ A.
NOTULAE SCIENTIA BIOLOGICAE, vol.2, no.2, pp.103-106, 2010 (Peer-Reviewed Journal)
- IX. **Bazı nohut (*Cicer arietinum L.*) çeşitlerinde tane iriliği ve kuraklık stresinin çimlenme özelliklerine etkisi**
GÜRBÜZ A., KAYA M., DİVANLI TÜRKAN A., KAYA G., KAYA M. D., ÇİFTÇİ C. Y.
Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, vol.22, no.1, pp.69-74, 2009 (Peer-Reviewed Journal)
- X. **Tohum uygulamaları (Priming)'nın tohum yağ asitleri kompozisyonuna etkisi ve tohum kalitesi ile ilişkisi**
KAYA G.
Tarla Bitkileri Merkez Araştırma Enstitüsü Dergisi, vol.17, pp.53-62, 2008 (Peer-Reviewed Journal)
- XI. **Interaction between seed size and NaCl on germination and early seedling growth of some Turkish cultivars of chickpea (*Cicer arietinum L.*).**
KAYA M., Kaya G., Kaya M. D., Atak M., Sağlam S., Khawar K. M., Ciftci C. Y.
Journal of Zhejiang University. Science. B, vol.9, no.5, pp.371-377, 2008 (Scopus)
- XII. **Effects of NaCl on germination, seedling growth and water uptake of triticale**
ATAK M., KAYA M. D., KAYA G., ÇIKILI Y., ÇİFTÇİ C. Y.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.30, pp.39-47, 2006 (Scopus)
- XIII. **Effects of Salt and Drought Stresses on Germination and Seedling Growth of Pea (*Pisum sativum L.*)**
OKÇU G., KAYA M. D., ATAK M.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.29, pp.237-242, 2005 (Scopus)
- XIV. **Bazı Brassica türlerinin çimlenme ve çıkışı üzerine NaCl konsantrasyonlarının etkileri**
KAYA M. D., KAYA G., KOLSARICI Ö.
TARIM BİLİMLERİ DERGİSİ, vol.11, no.4, pp.448-452, 2005 (Peer-Reviewed Journal)
- XV. **Sebze tohumlarında çimlenmeyi artırmak amacıyla yapılan bazı tohum uygulamaları**
OKÇU G.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, no.2, pp.64-68, 2005 (Peer-Reviewed Journal)
- XVI. **Aspir (*Carthamus tinctorius L.*)' de ilk gelişme devresinde kök ve topraküstü organların durumu**
KAYA M. D., İPEK A., KOLSARICI Ö., OKÇU G.
Tarla Bitkileri Merkez Araştırma Enstitüsü Dergisi, vol.10, pp.35-42, 2004 (Peer-Reviewed Journal)
- XVII. **Sebze üretiminde hibrit tohum kullanımı**
OKÇU G.
Türk-Koop Ekin, no.23, pp.18-24, 2003 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **Variation in stomatal density and distribution on leaves of different radish cultivars**
KAYA G.
ISPEC 12th INTERNATIONAL CONFERENCE ON AGRICULTURE, ANIMAL SCIENCES AND RURAL DEVELOPMENT, Ordu, Turkey, 6 - 08 July 2023, pp.831-840
- II. **Physiological responses of pepper cultivars to cold stress at seedling transplantation stage**

KAYA G.

ISPEC 8th International Conference on Agriculture, Animal Sciences and Rural Development, Bingöl, Turkey, 24 - 25 December 2021, pp.738-747

III. Enhancement of germination and seedling growth of tomato by seed priming under chilling stress

KAYA G.

International Siirt Scientific Research Congress, Siirt, Turkey, 5 - 07 November 2021, pp.704-712

IV. Determination of stomata characteristics of some pepper (*Capsicum annuum* L.) cultivars

KAYA G.

3rd International Çukurova Agriculture and Veterinary Congress, Adana, Turkey, 9 - 10 October 2021, pp.589-596

V. Comparison of seed priming efficiency on germination of high linoleic and high oleic acid contents in sunflower (*Helianthus annuus* L.) seeds

KAYA M. D., KAYA G., BAYRAMI S.

International Conference on Agricultural, Biotechnology, Biological and Biosystems Engineering, Berlin, Germany, 19 - 22 September 2012, vol.69, pp.956-957

VI. Biber tohumlarında kontrollü bozulma güç testinin fide çıkış oranı ve tohum depo ömrünün tahmininde kullanımı

BAŞAK Ö., MAVİ K., OKÇU G., DEMİR İ.

Türkiye II. Tohumculuk Kongresi, Adana, Turkey, 09 November 2005, pp.99-100

VII. Biber tohumlarında tuz ve kuraklık stresinde çimlenme ve olgunluk ilişkisi

MAVİ K., KAYA G., DEMİR İ.

5. Sebze Tarımı Sempozyumu, Çanakkale, Turkey, 21 - 24 September 2004, pp.46-50

VIII. Kontrollü nemlendirmenin yaşlandırılmış kavun tohumlarının çimlenme oranı ve hızına etkisi

OKÇU G., ARLI M., MAVİ K., DEMİR İ.

5. Sebze Tarımı Sempozyumu, Çanakkale, Turkey, 21 September 2004, pp.197-200

IX. Avrupa Birliği ülkelerinde açıkta sebze yetiştiriciliği ve yakın gelecekte beklenen gelişmeler

YANMAZ R., ÖZÇOBAN M., GÖZLÜKLÜ E., OKÇU G.

Avrupa Birliğine Uyum Aşamasında Bahçe Bitkileri Tarımı, Ankara, Turkey, 25 April 2002, pp.67-83

Metrics

Publication: 46

Citation (Scopus): 1126

H-Index (Scopus): 9

Non Academic Experience

Ministry, tarım ve orman bakanlığı, Tarla Bitkileri Merkez Araştırma Enstitüsü, Ziraat Mühendisi