Prof. FEYZA CANDAN

Personal Information

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Education

Doctorate, Turkey Present
Postgraduate, Turkey Present
Undergraduate, Dokuz Eylul University, Buca Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1995 - 1999

Foreign Languages

English

Dissertations

Doctorate, Crocus L. cinsinin Ancyrensis, Sieheanus, Chrysanthus ve Flavus tür ve alt türleri üzerinde morfolojik, anatomik, sitolojik ve palinolojik araştırmalar, 2007
Postgraduate, Anemone coronaria türü üzerinde biyolojik bir araştırma, 2001

Academic Positions

Associate Professor, 2014 - Present
Assistant Professor, 2011 - 2014
Research Assistant, 2001 - 2011

Supervised Theses

CANDAN F., Farklı Konsantrasyonlarda Bakır (Cu) Ağır Metal Stresi Uygulanan Börülce (Vigna unguiculata (L.) Walp) Tohumlarından Elde Edilen Fidelerin Kök, Gövde ve Yaprak Anatomilerinde Oluşan Değişikliklerin Belirlenmesi ve Karşılaştırılması, Postgraduate, M.GÖÇMEN(Student), 2023

Articles

I. **Nanoparticle Uptake and Bioaccumulation in Pisum sativum L. (Green Pea) Analyzed via Dark-Field Microscopy, Infrared Spectroscopy, and Principal Component Analysis Combined with Machine**

Learning
CANDAN F., Markushin Y., Ozbay G.
Agronomy, vol.14, no.7, 2024 (SCI-Expanded, Scopus)

II. **An experimental study on the effects copper and lead on the seedlings of some economically important vegetable species**
CANDAN F., Ozturk M., ALTAY V., Yalcin I. E.
Notulae Botanicae Horti Agrobotanici Cluj-Napoca, vol.51, no.4, 2023 (SCI-Expanded, Scopus)

III. **Uptake and Presence Evaluation of Nanoparticles in Cicer arietinum L. by Infrared Spectroscopy and Machine Learning Techniques**
CANDAN F., Markushin Y., Ozbay G.
Plants, vol.11, no.12, 2022 (SCI-Expanded, Scopus)

IV. **The examinations of achene ultrastructural features of section Acrolophus (Centaurea, Asteraceae) via scanning electron microscopy**
CANDAN F., Uysal T., Tugay O., Bozkurt M., Ertuğrul K., Demirelma H.
Turkish Journal of Botany, vol.40, no.2, pp.147-163, 2016 (SCI-Expanded, Scopus, TRDizin)

V. **Determination of the DNA changes in the artichoke seedlings (Cynara scolymus L.) subjected to lead and copper stresses**
Burak Batir M., CANDAN F., BÜYÜK İ.
Plant, Soil and Environment, vol.62, no.3, pp.143-149, 2016 (SCI-Expanded, Scopus)

VI. **Studies on the comparison of pollen morphology and viability of four naturally distributed and commercial varieties of Anemone coronaria L.**
CANDAN F., Çali İ. Ö.
Pakistan Journal of Botany, vol.47, no.2, pp.517-522, 2015 (SCI-Expanded, Scopus)

VII. **The determination of physiological and DNA changes in seedlings of maize (Zea mays L.) seeds exposed to the waters of the Gediz River and copper heavy metal stress**
BATIR M. B., CANDAN F., BÜYÜK İ., ARAS E. S.
Environmental Monitoring and Assessment, vol.187, no.4, 2015 (SCI-Expanded, Scopus)

VIII. **Pollen micromorphology of four taxa of Anemone coronaria L. from Western Turkey**
CANDAN F., Çali I. Ö.
Bangladesh Journal of Botany, vol.44, no.1, pp.31-36, 2015 (SCI-Expanded, Scopus)

IX. **Crocus chrysanthus s. lato (Iridaceae) in Turkey**
CANDAN F., Özhatay N.
Annales Botanici Fennici, vol.50, no.6, pp.423-430, 2013 (SCI-Expanded, Scopus)

X. **Influence of activator on meiosis of tomato (Lycopersicon esculentum Mill.)**
Çali I. Ö., CANDAN F.
Bangladesh Journal of Botany, vol.42, no.2, pp.361-365, 2013 (SCI-Expanded, Scopus)

XI. **Strength of wheat and barley stems and design of new beam/columns**
Değer G., Pakdemirli M., CANDAN F., Akgün S., Boyaci H.
Mathematical and Computational Applications, vol.15, no.1, pp.1-13, 2010 (Scopus, TRDizin)

XII. **The effect of activator application on the anatomy, morphology, and viability of Lycopersicon esculentum Mill. pollen Aktivatör uygulamasının Lycopersicon esculentum Mill. poleninin anatomisi, morfolojisi ve canlılığı üzerine etkileri**
Öztürk Çali I., CANDAN F.
Turkish Journal of Biology, vol.34, no.3, pp.281-286, 2010 (SCI-Expanded, Scopus, TRDizin)

XIII. **Micromorphological investigations on pollen samples of four yellow flowered taxa of Crocus L. (Iridaceae) from Turkey**
CANDAN F., Kesercioğlu T., ŞIK L.
Journal of Applied Biological Sciences, vol.3, no.2, pp.56-59, 2009 (Scopus, TRDizin)

XIV. **The effect of fungicide application on pollen structure in tomato (Lycopersicon esculentum Mill) plant**
Çali I. Ö., CANDAN F.

Journal of Applied Biological Sciences, vol.3, no.1, pp.34-37, 2009 (Scopus, TRDizin)

XV. **Cytotaxonomical studies on some Crocus L. taxa in Turkey**
CANDAN F., ŞIK L., Kesercioğlu T.
African Journal of Biotechnology, vol.8, no.18, pp.4374-4377, 2009 (SCI-Expanded, Scopus)

XVI. **Chromosome numbers of two Colchicum L. species, C. burttii and C. balansae, from Turkey**
ŞIK L., Kesercioğlu T., CANDAN F.
African Journal of Biotechnology, vol.8, no.18, pp.4358-4362, 2009 (SCI-Expanded, Scopus)

XVII. **Chromosome numbers of two *Colchicum* L. species, *C. burttii* and *C. balansae*, from Turkey**
ŞIK L., Kesercioglu T., CANDAN F.
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.8, no.18, pp.4358-4362, 2009 (SCI-Expanded)

XVIII. **Ecological properties of some Crocus taxa in Turkey**
ŞIK L., CANDAN F.
African Journal of Biotechnology, vol.8, no.9, pp.1895-1899, 2009 (SCI-Expanded, Scopus)

XIX. **Ecological properties of some *Crocus* taxa in Turkey**
ŞIK L., CANDAN F.
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.8, no.9, pp.1895-1899, 2009 (SCI-Expanded)

XX. **Effects of a fungicide on the morphology and viability of pollens of tomato (Lycopersicon esculentum mill.)**
Çali I. Ö., CANDAN F.
Bangladesh Journal of Botany, vol.38, no.2, pp.115-118, 2009 (SCI-Expanded, Scopus)

XXI. **A geometrical optimization problem associated with, fruits of poppy flower**
Deger G., Pakdemirli M., CANDAN F.
Mathematical and Computational Applications, vol.14, no.3, pp.169-175, 2009 (Scopus, TRDizin)

Books

I. **Mesir Macun as a Natural Health Heritage**
Ozturk M., ALTAY V., Akçiçek E., CANDAN F.
in: Conservation Strategies for Medicinal and Aromatic Plants in Asia: Current Scenarios and Future Perspectives, CRC Press, pp.130-144, 2026

II. **General Plant Geography Formation of the Aegean Region and the Use of Aegean Herbs in Local Cuisine and for Medicinal Purposes**
CANDAN F.
in: Plants as Medicine and Aromatics, Mohd Kafeel Ahmad Ansari, Bengu Turkyilmaz Unal, Munir Ozturk, and Gary Owens, Editor, Taylor&Francis Group, New York, pp.297-308, 2023

III. **Plant Phenology and An Assessment of the Effects Regarding Heavy Metals, Nanoparticles, and Nanotubes on Plant Development: Runner Bean, Artichoke, and Chickpea Seedlings**
CANDAN F.
in: Plant Communities and Their Environment, Manuel Oliveira, Feyza Candan, Anabela Fernandes-Silva, Editor, IntechOpen, Londrina, pp.3-25, 2020

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Comparative Effects of Gold (Au) and Carbon (C70) Nanomaterials Translocationon Chick Pea (Cicer arietinum L.) Plant Morphology**
CANDAN F., Lu Q.
8. International Symposium on Ecology and Environmental Problems, Çanakkale, Turkey, 4 - 07 October 2017, pp.184, (Summary Text)

II. **Comparative Micromorphological Floral Features as Regards 3 Sections ofAcantholimon Boiss.**

(Plumbaginaceae) Genus from Turkey
CANDAN F., DOĞAN M.
8. International Symposium on Ecology and Environmental Problems, Çanakkale, Turkey, 4 - 07 October 2017, pp.76, (Summary Text)

III. **Ecology of West Anatolian grasslands-Turkey: A case study from Manisa.**
OZTÜRK M., ALTAY V., CANDAN F., GÜCEL S.
International Science Conference "Study, conservation and sustainable use of plant World in Eurasia, 17 - 19 August 2017, (Full Text)

IV. **Spectroscopic Study of the Gold Nanoparticles (AuNPs) Distribution in Leaf, Stem, and Root of the Pea Green (Pisum sativum) Plant**
CANDAN F., Markushin Y.
The 3rd International Symposium on Euroasian Biodiversity, Minsk, Belarus, 5 - 08 July 2017, pp.446, (Summary Text)

V. **Anatomical Study onTranslocation of Carbon Nanomaterials Distribution in Leaf and Stem of the Pea Green (Pisum sativum) Plant**
CANDAN F., Lu Q.
The 3rd International Symposium on Euroasian Biodiversity, Minsk, Belarus, 5 - 08 July 2017, pp.432, (Summary Text)

VI. **Macromorphological and Micromorphological Floral Peculiarities of Acantholimon Boiss. (Plumbaginaceae) genus from Turkey**
CANDAN F., DOĞAN M.
The 3rd International Symposium on Euroasian Biodiversity, Minsk, Belarus, 5 - 08 July 2017, pp.263, (Summary Text)

VII. **Molecular Phlogeny of Acantholimon Boiss. (Plumbaginaceae) Genus from Turkey Related TRN and ITS Regions**
CANDAN F., UYSAL T., DOĞAN M., BOZKURT M.
The 3rd International Symposium on EuroAsian Biodiversity (SEAB-2017), Minsk, Belarus, 5 - 08 July 2017, (Summary Text)

VIII. **Mercurialis annua L Euphorbiaceae Türünün Anatomisi Üzerine Bir Çalışma**
KILIÇ M., CANDAN F., KAYACAN E., KOCABAŞ O., ÖZDEMİR C., ÇANCI M., EVREN G.
12. Ulusal Ekoloji ve Çevre Kongresi, Muğla, Turkey, 14 - 17 September 2015

IX. **The Comparison of Physiological Biochemicaland Molecular Parameters in Seedlings ofArtichoke Cynara scolymus L and RunnerBean Phaseolus coccineus L Seeds Exposedto Lead Pb Heavy Metal Stress in the point of Ecological Pollution**
CANDAN F., BATIR M. B.
International Conference on Agricultural, Ecological and Medical Sciences (AEMS-2015) 2015 Phuket (Thailand), 7 - 08 April 2015, (Full Text)

X. **Morphological and anatomical investigations on endemic Asyneuma limonifolium (L.) Janchen subsp. pestalozzae (Boiss.) Damboldt (Campanulaceae)**
CANDAN F., ÖZTÜRK İ.
BALWOIS 2012- Balkan Water Observation and information System Conference, Ohrid, Macedonia, 28 May 2012, (Full Text)

XI. **Hordeum vulgare L sensu lato Polisticum Triticosecale Triticum durum Desf ve Triticum aestivum L Emend Fiori et Paol Taksonlarının Gövde Anatomik Yapılarının Karşılaştırılması**
CANDAN F., SARI G.
X. Ulusal Ekoloji ve Çevre Kongresi, Çanakkale, Turkey, 4 - 07 October 2011, pp.341, (Summary Text)

XII. **Buğday Sap Kesit Yapısı Taklit Edilerek Yeni Bir Kiriş Tasarımı ve Titreşim Analizi**
SARI G., PAKDEMİRLİ M., CANDAN F., BOYACI H.
14. Ulusal Makina Teorisi Sempozyumu, Kıbrıs, Güzelyurt, Turkey, 2 - 04 July 2009, pp.25-35, (Full Text)

XIII. **Buğday Arpa Saplarında Malzeme Kesit Yapısı ve Teknolojiye Aktarımı**
SARI G., PAKDEMİRLİ M., CANDAN F., KAYRAL S., BOYACI H.

12th International Materials Symposium, Denizli, Turkey, 15 October 2008 - 17 October 2007, pp.194-204, (Full Text)

XIV. **Strength of wheat Triticum sativum L and barley Hordeum vulgare L stems and design of new beam columns**
SARI G., PAKDEMİRLİ M., CANDAN F., KAYRAL S., BOYACI H.
15. International Conference on Strength of Materials, Dresden, Germany, 16 - 21 August 2009, (Summary Text)

XV. **Cytaxonomic Investigations on the Species Crocus chrysanthus Herbert Herbert**
CANDAN F., KESERCİOĞLU T. İ.
International Conference on Environment: Survival and Sustainability, Near East University, Nicosia-Northern Cyprus., 19 - 24 February 2007, (Full Text)

Funded Projects

CANDAN F., Project Supported by Higher Education Institutions, BAP Research Project, Türkiye'de Yayılış Gösteren Cruciata Miller Cinsinin Revizyonu, 2015 - 2018
CANDAN F., Project Supported by Higher Education Institutions, The Comparison of Physiological Biochemical and Molecular Parameters in Seedlings of Artichoke Cynara scolymus L and Runner Bean Phaseolus coccineus L Seeds Exposed to Lead Pb Heavy Metal Stress in the point of Ecological Pollution Çalışmasının Sunumu, 2015 - 2015
CANDAN F., Project Supported by Higher Education Institutions, BAP Other, The Comparison Of Physiological, Biochemical And Molecular Parameters İn Seedlings Of Artichoke (Cynara Scolymus L.) And Runner Bean (Phaseolus Coccineus L.) Seeds Exposed To Lead (Pb) Heavy Metal Stress İn The Point Of Ecological Pollution? Çalışmasının Sunumu, 2015 - 2015
CANDAN F., Project Supported by Higher Education Institutions, BAP Research Project, Bakır (Cu) ve Kurşun (Pb) Ağır Metal Stresi Uygulanan Enginar (Cynara Scolymus L.) ve Barbunya (Phaseolus Coccineus L.) Tohumlarından Elde Edilen Fidelerin Kök, Gövde ve Yaprak Anatomilerinde Oluşan Değişikliklerin Belirlenmesi ve Karşılaştırılması, 2014 - 2018
CANDAN F., Project Supported by Higher Education Institutions, BAP Other, Acantholimon Boiss. (Plumbagınaceae) Cinsinin Türkiye Dışında Yayılış Gösteren 29 Taksonunun Bazı Kıtalara Ait Örneklerinin Karşılaştırmalı Moleküler Tabanlı Sınıflandırması, 2014 - 2015
CANDAN F., Project Supported by Higher Education Institutions, Acantholimon Boiss Plumbagınaceae Cinsinin Türkiye Dışında Yayılış Gösteren 29 Taksonunun Bazı Kıtalara Ait Örneklerinin Karşılaştırmalı Moleküler Tabanlı Sınıflandırması, 2014 - 2015
CANDAN F., BATIR M. B., BÜYÜK İ., Project Supported by Higher Education Institutions, BAP Research Project, Bakır (Cu) ve Kurşun (Pb) Ağır Metal Stresi Uygulanan Enginar (Cynara Scolymus L.) ve Barbunya (Phaseolus Coccineus L.) Tohumlarının Fidelerinde Oluşan Dna Değişikliklerinin Belirlenmesi, 2012 - 2014
PAKDEMİRLİ M., CANDAN F., BOYACI H., Narin Saplı Bitkilerde Mekanik Analiz ve Yeni Kiriş Kolon Tasarımlarının Geliştirilmesi, 2007 - 2010

Peer Reviews in Scientific Publications

NORDIC JOURNAL OF BOTANY, Other journals, April 2025
Other Journals, April 2025
CUMHURIYET SCIENCE JOURNAL, Other journals, January 2017
Other journals, January 2017
Anatolian Journal of Botany, Other journals, January 2017
Other journals, January 2017
Other journals, January 2017
Cumhuriyet Üniversitesi Fen-Edebiyat Fakültesi Fen Bilimleri Dergisi, Other journals, January 2016

Metrics

Publication: 40
Citation (WoS): 86
Citation (Scopus): 135
H-Index (WoS): 4
H-Index (Scopus): 8