

## Prof. NURAY AKBUDAK

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-5045-2021

Yoksis Researcher ID: 156482

### Education Information

Doctorate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Bahçe Bitkileri (Dr), Turkey 2000 - 2005

Postgraduate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Bahçe Bitkileri (YI) (Tezli), Turkey 1993 - 1996

Undergraduate, Bursa Uludağ University, Ziraat Fakültesi, Bahçe Bitkileri Bölümü, Turkey 1989 - 1993

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Domateslerde ışınlanmış polen uyartımıyla haploid bitki elde edilmesi üzerine etkili faktörler, Bursa Uludağ University, Ziraat Fakültesi, Bahçe Bitkileri, 2005

Postgraduate, Turşuluk hıyar yetiştiriciliğinde tele almanın verim ve kalite üzerine etkisi, 1996

### Research Areas

Agricultural Sciences, Agriculture

### Academic Titles / Tasks

Professor, Bursa Uludağ University, Ziraat Fakültesi, Bahçe Bitkileri, 2022 - Continues

Associate Professor, Bursa Uludağ University, Ziraat Fakültesi, Bahçe Bitkileri, 2011 - Continues

Research Assistant, Bursa Uludağ University, Ziraat Fakültesi, Bahçe Bitkileri, 1994 - 2011

### Academic and Administrative Experience

Vice Dean, Bursa Uludağ University, Ziraat Fakültesi, 2019 - Continues

University Executive Board Member, Bursa Uludağ University, U.Ü.Kadın Çalışmaları Uygulama Ve Araştırma Merkezi

(Ukam), 2017 - Continues

Deputy Head of Department, Bursa Uludağ University, Ziraat Fakültesi, Bahçe Bitkileri, 2012 - 2019

## Courses

Organik Tarım, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Sebze Yetiştiriciliğinde Özel Teknikler, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Genel Sebzeçilik, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Organik Tarım, Undergraduate, 2020 - 2021, 2019 - 2020

Sebze Tohumculuğu, Undergraduate, 2020 - 2021

Örtüaltı Yetiştiriciliği, Associate Degree, 2015 - 2016, 2014 - 2015, 2013 - 2014

## Advising Theses

AKBUDAK N., An evaluation of efficiency and quality for different species in cultivation of capia pepper (*Capsicum annuum* L. var *conoides* (Mill) Irish) in Bursa and surroundings, Postgraduate, A.Şahiner(Student), 2019

AKBUDAK N., The effect of different leonardite applications on yield and quality of bean, Postgraduate, S.İmamoğlu(Student), 2019

AKBUDAK N., The effect of organic fertilizers used in red pepper (*capsicum annum* L. cv. Kapyra) cultivation on plant growth and fruit quality, Postgraduate, S.Begüm(Student), 2019

AKBUDAK N., Determination of heavy metals in some lactuca sativa spices depending on the source of irrigation water near Bursa, Postgraduate, E.Sarıyer(Student), 2017

AKBUDAK N., Current stabilities, problems and solution proposals of the cold air stories activities in Bursa and Yalova provinces, Postgraduate, E.İnce(Student), 2017

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The Effect of Irrigation of Pickling Cucumber with Urban Wastewater on Product Quality and Heavy Metal Accumulation**  
AKBUDAK N., ÜSTÜN G. E.  
GESUNDE PFLANZEN, 2022 (SCI-Expanded)
- II. **ASSESSING THE IMPACT OF IRRIGATION WITH TREATED WASTEWATER ON QUALITATIVE AND QUANTITATIVE PROPERTIES ON URFA ISOT AND CAPIA PEPPER VARIETIES**  
ZAMBÍ O., AKBUDAK N.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.31, no.7, pp.6917-6927, 2022 (SCI-Expanded)
- III. **THE EFFECTS OF IRRIGATION WITH RECLAIMED WASTEWATER ON HEAVY METAL ACCUMULATION AND PLANT DEVELOPMENT IN LETTUCE**  
AKBUDAK N., BİCEN N.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.29, no.6, pp.4144-4150, 2020 (SCI-Expanded)
- IV. **The effect of harpin on shelf life of peppers inoculated with *Botrytis cinerea***  
TEZCAN H., AKBUDAK N., Akbudak B.  
JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE, vol.50, no.6, pp.1079-1087, 2013 (SCI-Expanded)
- V. **Effect of pre-harvest harpin and modified atmosphere packaging on quality of cherry tomato cultivars "Alona" and "Cluster"**  
Akbudak B., AKBUDAK N., Seniz V., Eris A.  
BRITISH FOOD JOURNAL, vol.114, pp.180-196, 2012 (SCI-Expanded)
- VI. **Diagnostic method for predicting tomato seedling emergence**  
AKBUDAK N., Bolkan H.

- JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.8, no.1, pp.170-174, 2010 (SCI-Expanded)
- VII. **In vitro and in vivo behavior of gamma-irradiated tomato (*Lycopersicon esculentum*) pollen**  
Akbudak N., Seniz V.  
NEW ZEALAND JOURNAL OF CROP AND HORTICULTURAL SCIENCE, vol.37, no.4, pp.361-367, 2009 (SCI-Expanded)
- VIII. **Effects of foliar application of harpin protein against *Verticillium dahliae* on pepper grown in greenhouse conditions**  
TEZCAN H., AKBUDAK N.  
JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.7, pp.529-533, 2009 (SCI-Expanded)
- IX. **The Effects of Harpin on Fruiting and *Botrytis cinerea* Resistance of Three Pepper Cultivars**  
Akbudak N.  
BIOLOGICAL AGRICULTURE & HORTICULTURE, vol.26, no.4, pp.391-398, 2009 (SCI-Expanded)
- X. **Sequential treatments of hot water and modified atmosphere packaging in cherry tomatoes**  
Akbudak B., Akbudak N., Seniz V., Eris A.  
JOURNAL OF FOOD QUALITY, vol.30, no.6, pp.896-910, 2007 (SCI-Expanded)
- XI. **Effects of hot water treatment and modified atmosphere packaging on the quality and cold storage life of cherry tomatoes**  
ALİBAŞ İ., AKBUDAK N.  
Journal of Food Science and Technology, vol.44, no.2, pp.216-219, 2007 (SCI-Expanded)
- XII. **Foliar applied harpin effects on fruit quality of peppers**  
Akbudak N., Akbudak B., Seniz V.  
ACTA AGRICULTURAE SCANDINAVICA SECTION B-SOIL AND PLANT SCIENCE, vol.57, no.1, pp.82-86, 2007 (SCI-Expanded)
- XIII. **The effect of harpin protein on plant growth parameters, leaf chlorophyll, leaf colour and percentage rotten fruit of pepper plants inoculated with *Botrytis cinerea***  
Akbudak N., Tezcan H., Akbudak B., Seniz V.  
SCIENTIA HORTICULTURAE, vol.109, no.2, pp.107-112, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Influence of grafting on fruit quality traits in eggplant grafted onto *Solanum torvum* and interspecific rootstocks**  
Gökseven A., AKBUDAK N.  
journal of biological environmental science, vol.16, no.46, pp.35-47, 2022 (Peer-Reviewed Journal)
- II. **Evaluation of Exogenous Salicylic Acid Application on White Mould Disease (*Sclerotinia sclerotiorum*) and Photosynthetic Pigments in Lettuce.**  
AKBUDAK N., ZAMBİ O., Duran U. T.  
Türkiye Tarımsal Araştırmalar Dergisi, vol.9, no.1, pp.90-96, 2022 (Peer-Reviewed Journal)
- III. **COVID-19 Salgın Sürecinde GLOBALGAP**  
AKBUDAK N., şen ö.  
Türkiye Tarımsal Araştırmalar Dergisi, vol.8, no.2, pp.248-255, 2021 (Peer-Reviewed Journal)
- IV. **The effect of leonardite, vermicompost, farmyard manure on yield and leaf quality of garden cress (*Lepidium sativum*L.)**  
AKBUDAK N., ZAMBİ O.  
ACTA HORTICULTURAE, vol.2, no.1242, pp.44-50, 2019 (Scopus)
- V. **Physical Characteristics and Chemical Compositions of Local Red Onion Cultivar Grown in Kapıdağ, Turkey**  
AKBUDAK N., TÜRK BEN C., ZAMBİ O., ŞAHİNARSLAN A., ÖZCAN F., ÖZKAN S.  
JOURNAL OF BIOLOGICAL AND ENVIRONMENTAL SCIENCES, vol.12, no.36, pp.133-139, 2018 (Peer-Reviewed Journal)

- VI. **ONION BREEDING PROGRAM IN TURKEY**  
GÖKÇE A. F., Başar Kemikler N., candar a., Kaderlioğlu E., AKBUDAK N.  
ACTA HORTICULTURAE, vol.969, pp.93-96, 2012 (Scopus)
- VII. **Biber Tohumlarında Canlılık Tespitine Yönelik Kullanılan Tetrazolium Test Metodunun Modifikasyonu**  
AKBUDAK N., BAŞAY S.  
Uludağ Üniversitesi Ziraat Fakültesi Dergisi, vol.23, no.1, pp.21-25, 2009 (Peer-Reviewed Journal)
- VIII. **Incidence of *Verticillium* and Plant Development in Pepper as Affected by the Bioactivator Harpin**  
AKBUDAK N., TEZCAN H.  
INTERNATIONAL JOURNAL OF VEGETABLE SCIENCE, vol.15, no.3, pp.253-263, 2009 (Scopus)
- IX. **Effect of Harpin Protein on Yield and Fruit Quality of Pepper Grown in Greenhouse Conditions**  
AKBUDAK N., TEZCAN H., Şeniz V.  
Acta Horticulture, no.729, pp.267, 2007 (Scopus)
- X. **Preharvest Application of Harpin on the Cool Storage Life of Pepper**  
AKBUDAK N., Bülent A., Şeniz V., ERİŞ A.  
Acta Horticulture, no.712, pp.517, 2006 (Scopus)
- XI. **Bitkisel Üretimde ve Bitki Korumada Yeni Bir Etken Madde Harpin**  
AKBUDAK N., TEZCAN H.  
Uludağ Üniversitesi, Ziraat Fakültesi Dergisi, vol.20, no.2, pp.39, 2006 (Peer-Reviewed Journal)
- XII. **The Effect of Harpin Treatment on Storage of Cherry Tomato cv. "Naomi"**  
AKBUDAK N., ERİŞ A., Şeniz v.  
Acta Horticulture, vol.712, pp.237-243, 2006 (Scopus)

## Books & Book Chapters

- I. **Domates Bitkisinin Mineral Beslenmesi ve Meyve Kalitesi**  
AKINOĞLU G., KORKMAZ A., AKBUDAK N., HORUZ A.  
akademisyen yayınevi, 2021
- II. **Bursa’da Yetiştirilen Sebzelelerde Ağır Metaller**  
AKBUDAK N., Bozkurt B., Sarıyer E.  
in: Bursa’da Gıda Güvenilirliği, Songül Uncu, Editor, Bilgin, pp.34-46, 2019
- III. **Türkiye’de Dondurulmuş Sebze Meyve Sanayiinin Ekonomik Yapısı ve Pazarlama Sorunları**  
Çetin B., TURHAN Ş., TİPİ T., AKBUDAK N.  
TZOB Yayınları, 2003

## Refereed Congress / Symposium Publications in Proceedings

- I. **DETERMINATION OF MORPHOLOGICAL CHARACTERISTICS OF DIFFERENT EGGPLANT ROOTSTOCKS**  
Gökseven A., AKBUDAK N.  
Agro International Conference on Agriculture, 04 June 2022
- II. **DETERMINATION OF HEAVY METALS IN LETTUCE DEPENDING ON THE SOURCE OF IRRIGATION WATER**  
Sarıyer E., AKBUDAK N.  
5. International Icontech Symposium On Innovative Surveys In Positive Science, 05 January 2022, pp.165-169
- III. **Effect of Elicitor Applications on the Color and Chlorophyll Composition on Leaf Lettuce (*Lactuca sativa* L.)**  
AKBUDAK N., BAŞAY S.  
III. International Symposium on Horticulture in Europe. Chania, Crete, Greece., Greece, 17 October 2016, vol.1242
- IV. **The Effect of Methyl Jasmonate and Salicylic Acid on Yield and Tuber Quality of Radish (*Raphanus***

**sativus L.**

ZAMBİ O., AKBUDAK N., ÖZKAN S., ŞAHİNER A.

The Eurasian Agriculture and Natural Sciences Congress, 20 - 23 September 2017, pp.86-91

- V. **Effect of Elicitor Applications on The Color and Chlorophyll Composition of Leaf Lettuce (Lactuca Sativa L.)**  
AKBUDAK N., BAŞAY S.  
III. International Symposium on Horticulture in Europe SHE2016, Chania, Greece, 17 - 21 September 2016, pp.118
- VI. **The Effect of Leonardite Farmyard Manure on Yield and Leaf Quality of Garden Cress Lepidium sativum L**  
AKBUDAK N., ZAMBİ O.  
III. International Symposium on Horticulture in Europe, 17 - 21 October 2016
- VII. **Effect of Sclerotinia sclerotiorum and mycorrhiza on growth and total chlorophyll in Pepper**  
AKBUDAK N., BAŞAY S., TEZCAN H.  
2nd Symposium on Horticulture in Europe, 02 July 2012
- VIII. **Pepper Seedling Cultivation in Soil with Leonardite**  
AKBUDAK N., BAŞAY S.  
III. International Symposium on Horticulture in Europe, 2 - 05 July 2012, pp.126-130
- IX. **The Elicitor Response in Lettuce**  
AKBUDAK N., BAŞAY S.  
2013 International Conference on Agriculture and Biotechnology, Kuala-Lumpur, Malaysia, 29 - 30 December 2013, vol.60, pp.126-130
- X. **Combined Effects of 1 Methylcyclopropene and Modified Atmosphere Packaging on the Quality of Freesia During Storage**  
akbudak B., ÖZER M. H., AKBUDAK N., MURAT Ş.  
XI International Symposium on Flower Bulbs and Herbaceous Perennials, 28 March - 01 April 2012
- XI. **Onion Breeding Program in Turkey**  
GÖKÇE A. F., BAŞAR KEMİKLER N., CANDAR A., KADERLİOĞLU E., AKBUDAK N.  
Kongre, Japan, 10 December 2012 - 10 December 2015, vol.969, pp.93-96
- XII. **Effectiveness of polyethylene on storage of cherry tomatoes.**  
AKBUDAK B., AKBUDAK N.  
New Challenges in Food Preservation, 11 November 2009
- XIII. **Effect of Harpin Protein on Yield and Fruit Quality of Pepper Grown in Greenhouse Conditions**  
AKBUDAK N., TEZCAN H., ŞENİZ V.  
III Balkan Symposium on Vegetables and Potatoes, 08 September 2004, vol.729, pp.267-270
- XIV. **The effect of harpin treatment on storage of cherry tomato cv. 'Naomi**  
AKBUDAK B., AKBUDAK N., ŞENİZ V., ERİŞ A.  
3rd Balkan Symposium on Vegetables&Potatoes., 30 June 2006, vol.712, pp.237-243
- XV. **Preharvest application of harpin on the cool storage life of pepper**  
AKBUDAK N., AKBUDAK B., ŞENİZ V., ERİŞ A.  
Fourth International and Multidisciplinary Conference an Integrated View on Fruit and Vegetable Quality, 30 June 2006, vol.712, pp.517-523

## Supported Projects

BAŞAL H. A., ÖZHAN M. M., ONUR SEZER G., ÖZYAZICIOĞLU N., AYDIN A. İ., KORKMAZ N., BAĞÇELİ KAHRAMAN P., AKBUDAK N., TANER DERMAN M., ŞAHİN ZETEROĞLU E., et al., Project Supported by Higher Education Institutions, Göçmen Kadın ve Ailelerinin Sağlık, Eğitim, Ekonomi ve Uyum Konusunda Güçlendirilmesi Projesi: Bursa İli Örneği "GÜÇLÜ GÖÇMEN KADIN, GÜÇLÜ GÖÇMEN AİLE, GÜÇLÜ TOPLUM VE UYUM", 2022 - Continues  
AKBUDAK N., Project Supported by Higher Education Institutions, Bazı Yeşil Yapraklı Sebze Türlerinde Organik Gübrelerin Kalite ve Verim Üzerine Etkileri, 2017 - Continues

Güldaş M., Özyazıcıoğlu N., Akbudak N., Gürbüz O., Yıldız E., İstek N., ÖZDER S., H2020 Project, Switching Mediterranean consumers to Mediterranean sustainable healthy dietary patterns, 2022 - 2025

Akbudak N., Kumral N. A., Gençer N. S., TÜBİTAK Project, Domates Pas Akarı *Aculops lycopersici* (Masse), (Acarina: Eriophyidae)'ye Karşı Kullanılma Potansiyeli Olan Farklı Phytoseiid Türlerinin Etkinliğine Domates Çeşit Farklılıklarının Etkisi, 2020 - 2023

Akbudak N., Gomez G. M., H2020 Project, BRINGING INNOVATION AND SUSTAINABILITY ALONG THE WHOLE VALUECHAIN IN THE MEDITERRANEAN TOMATO INDUSTRY, 2019 - 2022

AKBUDAK N., Project Supported by Higher Education Institutions, Sivri Biberin (*Capsicum annuum* L. cv. Demre) Modifiye Atmosferde Muhafazasında 1-Methylcyclopropene, Salisilik Asit ve Kalsiyum Uygulamalarının Kalite Üzerine Etkisi, 2014 - 2020

AKBUDAK N., TÜBİTAK Project, Soğanlarda *Allium cepa* L Hibrit Tohum Üretimi İçin Gerekli Erkek Kısır ve İdameci Hatların Seçimi İçin Moleküler Markır Kullanılarak Safhatlar ve Yerel Soğan Popülasyonlarında Sitoplazmaların Belirlenmesi, 2011 - 2013

BAŞAY S., AKBUDAK N., Project Supported by Higher Education Institutions, Biber Fasulye ve Kıvırcık Salatada Chitosan Tricoderma Metil Jasmonate Uygulamalarının *Botrytis Cinerea* *Sclerotinia Sclerotianum* Patojenlerine ve Bitki Fizyolojisi Üzerine Etkileri, 2010 - 2012

## Metrics

Publication: 58  
Citation (WoS): 78  
Citation (Scopus): 142  
H-Index (WoS): 5  
H-Index (Scopus): 6

## Non Academic Experience

Municipality, Bursa Alan Başkanlığı, Danışma Kurulu  
Non-profit Organisation, Engelli Kadınlar Derneği, Dernek