



TAGEM
R&D AND INNOVATION

WESTERN MEDITERRANEAN AGRICULTURAL
RESEARCH INSTITUTE/ ANTALYA

BENGI TOPKAYA, PhD

Agricultural Engineer

EDUCATION

- PhD**
2011-2021
Isparta University of Applied Sciences
Plant Protection Department
- MSc**
2008-2011
Süleyman Demirel University
Plant Protection Department
- Bachelor's Degree**
2004-2008
Süleyman Demirel University
Faculty of Agriculture

LANGUAGE English YÖK DİL 72

CAREER

- 2011 - ... Batı Akdeniz Agricultural Research Institute,
ANTALYA


ABOUT ME


She was born in 1985 in Elazığ. In 2008, she graduated from Süleyman Demirel University, Faculty of Agriculture. In 2011, she completed her master's degree in Plant Protection Department at the same university. In 2021 got her Ph.D. at Isparta University of Applied Sciences, Plant Protection Department

She continues her studies in the field of molecular plant virology.

CONTACT

Demircikara, Paşa Kavakları Cd. No:13,
07100 Muratpaşa/Antalya

 bengi.topkayakutuk@tarimorman.gov.tr

 0242 321 67 97



BENGI TOPKAYA, PhD

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▪ **PROJECTS**

▪ **Projects Conducted**

- 1) Identification of Some Citrus Virus and Viroid Diseases with Multiplex RT-PCR (2012-, TAGEM, Project Leader)
- 2) Identification and expression analysis of Cold, Drought and Saltness Stress Induced Genes in Citrus (2007-2010, TÜBİTAK, Scholarship student)
- 3) Development Some of the Tomato Lines which include Sw5 gene Against Resistane of Tomato spotted wilt virus (TSWV) in Tomato (2010-2013, TAGEM, Researcher)
- 4) The Citrus Variety Improvement Program in Turkey (TTÇGP) (2010-, TAGEM, Researcher)
- 5) Improvement of Qualified Genitors for Tomato Breeding Programs and Seed Technology Project , (TAGEM 2010- Continuous, Researcher)
- 6) Improvement of Qualified Genitors for Pepper Breeding Programs and Seed Technology Project, (2010- Continuous, TAGEM, Researcher)
- 7) Detection of Phytoplasma Diseases and Possible Vector Species in Vineward areas of Antalya with Determination of Measures to be taken (2013-2016, TAGEM, Researcher)
- 8) Infrastructure Development of Plant Protection Laboratory (2012-2013, BAKA, Researcher)
- 9) Investigation of Diseases and Pests Causing Trouble in Globe Artichoke Cultivation in Antalya Province and Management Practices (2015-2018, TAGEM, Researcher)
- 10) The studies on the detection and control of diseases, pests, weeds of leafy vegetables in Western Mediterranean Region (2016-2018, TAGEM, Researcher).
- 11) Improvement of New Mandarin Varieties that Very Early/Early and Late Ripening Period via Mutation Breeding (2018-2021, Researcher)
- 12) Adaptation of Some New Mandarin Varieties and These Varieties is gained to Citrus Industry in Turkey (2018-2021, Researcher)



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■ PUBLICATIONS

■ INTERNATIONAL ARTICLES AND PAPERS

■ Articles Published in International Journals

■ International Papers, Seminars, etc.

1. Fidan, H., Sarıkaya, P., Yıldız, K., **Topkaya, B.**, Erkiş, G. ve Çalış, Ö., 2020. Robust molecular detection of the new tomato brown rugose fruit virus in infected tomato and pepper plant from Turkey. Journal of Integrative Environmental Sciences, no.1, pp.2-11, 2020
2. Şahin-Çevik, M., Çevik, **B.**, **Topkaya-Kütük, B.** and Yazıcı, K., 2017. Identification of drought-induced genes from the leaves of Rangpour Lime(Citrus limon (L) Osbeck). The Journal of Horticultural Science and Biotechnology. 92,6.
3. Çelik, N., and **Topkaya Kütük, B.**, 2013. Determination of Sharka Virus Disease in Antalya, Journal of Derim , 30:2, Antalya.

■ NATIONAL ARTICLES AND PAPERS

■ Articles Published in National Journals

1. **Topkaya, B.**, Turgutoglu, E. ve Cevik, B., 2019. Quantification of Citrus chlorotic dwarf associated virus (CCDaV) in Sweet Orange and Mandarin. International Molecular Plant Protection Congress, Adana, Turkey.
2. **Topkaya, B.**, Turgutoglu, E. ve Cevik, B., 2018. Replication of Citrus chlorotic dwarf associated virus (CCDaV) in Lemon and Grapefruit. International Horticultural Congress, Istanbul, Turkey.
3. **Topkaya-Kütük, B.** and Çevik, B., 2016. Development of A Sensitive Nested-RT-PCR Method For Detection Of Citrus Psorosis Virus, 13th International Plant Virus Epidemiology Symposium, 6-10 June 2016, Avignon, France.
4. Çelik, N. ve **Topkaya Kütük, B.**, 2016. The Presence Of Sharka Disease in Antalya-Turkey. III. International Symposium on Plum pox virus, 09-13 May 2016, Antalya.



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▪ **OTHER PUBLICATIONS**

▪ **Ph.D. Thesis, Master Thesis, Reports, Books etc.**

1. Detection, biological and molecular characterization of citrus psorosis virus from different citrus growing regions of (master thesis)
2. Determination of resistance/susceptibility of important citrus species to Citrus chlorotic dwarf associated virus (CCDaV) and expression analyses of some R genes (Ph.D. thesis)



BENGI TOPKAYA, PhD Agricultural Engineer



▪ Membership, Training, Course, Meeting, Congress, Symposium and Other Activities

International Molecular Plant Protection Congress, 10-13 Mayıs, 2019, Adana.

III. International Symposium on Plum Pox Virus, 9-13 May 2016, Antalya.

Web based Primer Design for PCR based detection and diagnostics in plant pathology, 2-6 November 2015, İzmir.

VII. Horticultural Crops Congress, 25-29 August 2015, Çanakkale.

Determination of Phytoplasm Infections at Vegetative Production, 1-4 April 2013, Ankara.

Turkey IV. Plant Protection Congress, 28-30 October 2011, Kahramanmaraş.

National Molecular Biology and Biotechnology Congress, 26-29 October 2010, Antalya.

Turkey III. Plant Protection Congress, 15-18 July 2009, Van.

Türkiye II. Plant Protection Congress, 27-29 August 2007, Isparta.

Kantitatif Real-Time PCR Uygulamaları, 22-25 Haziran, 2015, Ankara Biyoteknoloji Enstitüsü.

Real-Time PCR Sisteminin Virüs Tanısında, SNP ve SSR Analizlerinde ve Genotipleme Çalışmalarında Kullanımı, 2-7 Eylül 2014, Genoks, Ankara.

Computer Assisted Pest Risk Analysis (CAPRA), 2012, Ankara

Bahçe Bitkilerinde Moleküler İşaretleyiciler ve Islahta Kullanımı, 2012, Atatürk Bahçe Kùltürleri Merkez Araştırma Enstitüsü, Yalova.