



TAGEM
R&D AND INNOVATION

VITICULTURE RESEARCH INSTITUTE/MANISA

NURDAN GÜNGÖR SAVAŞ, PhD.

Agricultural Engineer

EDUCATION

- PhD.** 2007-2012 Ege University
Graduate School of Natural and Applied Science
 - MSc.** 2003-2006 Ege University
Graduate School of Natural and Applied Sciences
 - Bachelor's Degree** 1999-2003 Adnan Menderes University
Faculty of Agriculture
- LANGUAGE** English YOKDIL 62,5

CAREER


- 2012-Cont. Researcher, Head of Plant Health Department (2013-Continued), TAGEM, Viticulture Research Institute MANISA
- 2009-2012 MSc. Agricultural Engineer, Provincial Directorate of Agriculture/Plant Protection Branch MANISA
- 2006-2009 MSc. Agricultural Engineer District Directorate of Agriculture Milas/MUĞLA
- 2003-2006 Research Assistant Ege University Faculty of Agriculture, Department of Plant Protection Bornova/İZMİR


ABOUT ME

She was born in Konak/İzmir in 1979. She graduated from İzmir Girls' High School in 1996. She started her career in 2003 as a Research Assistant at Ege University, Faculty of Agriculture, Department of Plant Protection. The researcher, who has been working at the Manisa Viticulture Research Institute since 2012, works on fungal diseases and biological control in the vineyard.

CONTACT

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▪ **PROJECTS**

▪ **Projects Conducted**

1. Studies on the Determination and Status of Black Foot Disease Factors in Young Vineyard in Aegean Region, TAGEM, **Researcher**, 2021.
2. The Effect of Intra-Canopy Microclimate Arrangement by Using Different Covering Techniques on Drying of the Cluster Edge and Withering of the Dried Seedless Grape Varieties (*Vitis vinifera* L. cv Sultan 7), TAGEM, **Researcher**, 2021
3. Main Project: Establishment of Plant Irrigation Programs According to Water-Saving Irrigation Methods in Restricted Water Conditions, Sub-Project: Investigation of the Efficiency of Subsurface Drip Irrigation Systems in Viticulture, TAGEM, **Researcher**, 2021
4. Project for Determination of Yield and Damage in Olives and Grapes with Image Processing and Machine Learning Techniques, TAGEM Research and Development Private Sector Projects, **Researcher**, 2019.
5. Determination of Boron Toxicity in Vineyard Areas Located in Regions With Rich Geothermal Resources in The Province of Manisa And Effects of Clover (*Medicago Sativa* L.) Applied To Reduce Toxicity on The Yield and Quality of Grapes, TAGEM, **Researcher**, 2019.
6. Project for Evaluation of Biological Efficacy of Licensed Pesticides (Reldan 22 E, Top-Up 100 EC, Curve 50 WP, General Directorate of Food and Control, **Project Leader**, 2019.
7. Determination of Biological Efficacy of a Plant Protection Product Named Sercadis (Fluxapyroxad 300g/L), TAGEM Research and Development Private Sector Projects, **Project Leader**, 2019.
8. Investigation of Prediction and Early Warning Model Usage Opportunities in Combating Vineyard Powdery Mildew Disease in Manisa Province, TAGEM, **Project Leader**, 2016.
9. Studies on the Efficacy of Different Preparations of Active Substances Licensed for Gray Mold in Vineyards and Tomatoes against *Botrytis cinerea*, Aegean Un. Graduate School of Natural and Applied Sciences Research Project, **Project Leader**, 2006.

▪ **Ongoing Projects**

1. Determination of the Effectiveness of Different Spraying Programs with Morphological and Molecular Characterization of Phomopsis Cane and Leaf Spot Disease (*Phomopsis viticola*) in Eastern Anatolia and Aegean Region Vineyards, TAGEM, **Project Leader**.
2. Implementation of an Artificial Intelligence-Based System for Early Detection of Vineyard Diseases and Pests, TÜBİTAK 1001, **Researcher**.
3. Main Project: "Creating Plant Irrigation Programs According to Water-Saving Irrigation Methods in Restricted Water Conditions" Sub-Project: The Effect of Different Irrigation Levels on Yield and Quality of 'Bornova Musket' and 'Foça Karası' Grape Varieties Irrigated with Subsurface Drip Irrigation Method, TAGEM, **Researcher**.
4. The Effects of Different Treatment Systems and PRD (Partial Root Drying) Technique on Physiological Activities, Yield and Product Quality of Table Grape Varieties Beyra, Efem and Spil Karası, TAGEM, **Researcher**.



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5. Effects of Different Production Models on Table Grape Cultivation in Soilless Agriculture, TAGEM, **Researcher.**
6. Investigation of Biological Control Opportunities with Antagonist Bacteria Against Vine Tumor Disease (*Agrobacterium vitis*) in Vineyards, TAGEM, **Researcher.**
7. Clone Selection in Mevlana Grape Variety II. Stage Studies, TAGEM, **Researcher.**

▪ **PUBLICATIONS**

▪ **INTERNATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in International Journals**

1. **Savaş Güngör N.**, Yıldız M., 2021. Molecular identification of *Diplodia seriata* De Not. causing dieback effect on grapevines and evaluation of in vitro efficacy of five different synthetic fungicides against this disease. *Trakya Univ J Nat Sci*, vol.22, no.1, pp.93-100. DOI: 10.23902/trkjnat.863506.
2. **Savaş Güngör, N.**, Yıldız, M., Eltem, R., Ozkale, E. 2021. Determination of Antifungal Efficiency of some fungicides and Secondary Metabolites of *Trichoderma* Species against *Botrytis cinerea* a Necrotrophic Fungus. *J. Environ. Biol.*, vol.42, no.3, pp.560-569.
3. **Savaş Güngör, N.**, Akgül, D. S., Özarıslandan, M. Yıldız, M., 2020. First Report of *Dactylonectria alcacerensis* and *Dactylonectria torresensis* Associated with Black Foot Disease of Grapevine in Turkey. *PLANT DISEASE*, DOI:10.1094/PDIS-02-20-0385-PDN.
4. Akgül, D. S., **Savaş Güngör, N.**, Özarıslandan, M., 2019. First Report of Wood Canker Caused by *Lasiodiplodia exigua* and *Neoscytalidium novaehollandiae* on Grapevine in Turkey, *Plant Disease*, vol.103, no.5, pp.1 <https://doi.org/10.1094/PDIS-11-18-1938-PDN>.
5. **Savaş Güngör, N.**, Akgül D.S., Atalay Albaz E., 2015. First Report of *Ilyonectria liriodendri* Associated with Black Foot Disease of Grapevine in Turkey, *PLANT DISEASE*, vol.99, no.12, pp.1855-1855, 2015.
6. Akgül D.S., **Savaş Güngör N.**, Teker T., Keykubat B., Mayorquin J.S., Eskalen A., 2015."Fungal Trunk Pathogens of Sultana Seedless Vineyards in Aegean Region of Turkey", *PHYTOPATHOLOGIA MEDITERRANEA*, vol.54, no.2, pp.380-394,
7. **Savaş Güngör, N.**, Yıldız, F., 2015. Control of *Alternaria* spp. on Sultanina Seedless Grape Vineyards in Aegean Region. *African Journal of Agricultural Science and Technology*. Vol: 3, Issue 12, pp. 527-531. December.
8. Akgül D.S., **Savaş Güngör N.**, Önder S., Özben S., Kaymak S.,2014. "First Report of *Campylocarpon fasciculare* Causing Black Foot Disease of Grapevine in Turkey", *PLANT DISEASE*, vol.98, no.9, pp.1277-1277.
9. Akgül D.S., **Savaş Güngör N.**, Eskalen A., 2014. First Report of Wood Canker Caused by *Botryosphaeria dothidea*, *Diplodia seriata*, *Neofusicoccum parvum*, and *Lasiodiplodia theobromae* on Grapevine in Turkey, *PLANT DISEASE*, vol.98, no.4, pp.568-568.
10. Akgül D.S., **Savaş Güngör N.**, Teker T., Karahan B., Keykubat B.,2013. Identification and Pathogenicity of *Botryosphaeriaceae* Species Causing Wood Canker on Grapevines, *The Journal of Turkish Phytopathology*, cilt.42, ss.35-45.

▪ **International Papers, Seminars, etc.**

1. **Savaş Güngör, N.**, Yıldız, F. Delen, M.N., 2021. Sensitivity of *Alternaria* spp. isolates to some fungicides used on Sultana seedless grapes in Aegean region vineyards. 2021. II. International Congress of the Turkish Journal of Agriculture - Food Science and Technology. 25-29 October. 2021. CYPRUS. (Oral).



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2. **Savaş Güngör, N.,** Yıldız, M., 2020. Determination Molecular Characterisation of Grapevine Decline Agent *Diplodia seriata* and In Vitro Antifungal Efficiencies of Some Fungicides Against The Disease Agent. II. International Agricultural, Biological and Life Science conference, 1-3 September, 2020, Edirne, TURKEY.(Oral)
3. **Savaş Güngör, N.,** Yıldız, M., Eltem, R., Özkale, E., 2019. Sensivity Against Secondary Metabolites of *Trichoderma harzianum* Strains And Some Fungicides of *Botrytis cinerea* Isolates on Grapes in Aegean Region. International Agriculture, Environment and Health Congress, 18-19 October 2019, Aydın, TURKEY.(Oral)
4. **Savaş Güngör, N.,** 2019. Asmalarda Fungal Odun Doku Hastalık Komplekslerinin Tanılanması ve Yönetimi. II. International Symposium on Multidisciplinary Academic Studies in Full Text Proceeding Book, pp.128-139, <https://www.imases.net/index.php>.
5. **Savaş Güngör, N.,** 2019. Diagnosis and Management of Fungal Trunk Disease Complexes in Vines. III. International Symposium on Multidisciplinary Academic Studies. 19-21 April, İzmir, TURKEY. (Oral)
6. Özkale, E., **Savaş Güngör, N.,** Albaz, E., 2018. Effects Of Volatile And Non-Volatile Compounds Of *Trichoderma harzianum* Against Various Phytopathogens. 29th Scientific – Expert Conference of Agriculture and Food Industry in Full Text Proceeding Book, ss. 208-213.
7. Özkale, E., **Güngör Savaş, N.,** Albaz, E., 2018. Effects of volatile and non-volatile compounds of *Trichoderma harzianum* against various phytopathogens. 29th Scientific – Expert Conference Of Agriculture and Food Industry. 26-28 September, Çeşme, İzmir, TURKEY. (Oral)
8. **Savaş Güngör, N.,** Albaz, E., 2018. Cross-Infections By *Botryosphaeriaceae* and *Cylindrocarpum* spp. Fungi Causes Decay Of Young Grafted Grapevines. I. International Agricultural Science Congress. 16-18 May 2018, Van, TURKEY. (Poster)
9. Albaz, E., **Savaş Güngör N.,** 2018. Determination Of Population Densities Of *Lobesia botrana* (Denis & Schiffermüller) (Lepidoptera: Tortricidae) In Different Grape Varieties. I. International Agricultural Science Congress. 16-18 May 2018, Van, TURKEY. (Poster)
10. **Savaş Güngör, N.,** Hece, H., Albaz, E., 2018. Effects Of Grapevine Cultivar Vines On Esca Disease. 29th International Scientific-Expert Conference of Agriculture and Food Industry. 26-28 September, Çeşme, İzmir, TURKEY. (Poster)
11. Albaz, E., **Savaş Güngör, N.,** 2018. Chemical Control And Problems Of (*Planococcus citri* Risso, *P.ficus* Signorer (Hemiptera: Pseudococcidae) Mealybug In The Vineyards. 29th International Scientific-Expert Conference of Agriculture and Food Industry 26-28 September 2018, Çeşme, İzmir, Turkey. (Poster)
12. **Savaş Güngör, N.,** Akgül, D.S., Hece, H., Albaz, E., 2018. Status and Identification Of Fungal Pathogens Associated With Black Foot Disease Of Wine Young Grapevines In Tekirdağ. International Agriculture, Environment and Health Congress, 26-28 October 2018, Aydın, TURKEY. (Oral)
13. Albaz, E., **Savaş Güngör N.,** 2018. Tarımsal Savaşımında Pestisit Kullanımının İnsan ve Çevre Sağlığı Açısından Önemi. International Agriculture, Environment and Health Congress/ 26-28 October 2018, Aydın, TURKEY. (Poster)
14. Albaz E., **Savaş Güngör, N.,** 2018. Bağda yaprak pireleri *Asymmetrasca decedens* Paoli ve *Empoasca decipiens* Paoli (Hemoptera; Cicadellidae)'in Mücadelesi ve Yaşanan Sorunlar. International Agriculture, Environment and Health Congress, 26-28 October 2018, Aydın, TURKEY. (Poster)
15. Savas Y., **Savas Güngör, N.,** 2017. A Brief Information About Viticulture in The Balkans Under Ottoman Rule. 2nd International Balkan Agriculture Congress, 16-18 May 2017. (Poster).



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16. **Savaş Güngör, N.**, Akgül, D.S., Savaş, Y., Albaz, E., 2017. Molecular Identification of Fungal Trunk Pathogens Associated with Wood Decay of Grapevines on Aegean Region. 1st International Eurasia Mycology Congress. 3-5 July 2017, Manisa, Turkey. P 83. (Oral).
17. **Savaş Güngör, N.**, Savaş, Y., Akgül, D.S., Albaz, E., 2017. Effect Of Hot-Water Treatment On Black-Foot Disease Of Grapevine. 2 nd International Balkan Agriculture Congress. 16-18 May 2017. Tekirdağ, Turkey. (Poster).
18. Savaş Güngör, N., Yıldız, F., 2013. Control of Alternaria spp. on Sultanina Seedless Grape Vineyards In Aegean Region in Turkey. 2nd International Symposium on Discovery and Development of Innovative Strategies for Postharvest Disease Management, 28 April-2 May, Kuşadası, Turkey (Poster)

▪ NATIONAL ARTICLES AND PAPERS

▪ Articles Published in National Journals

1. **Savaş Güngör, N.**, Albaz, E., Önder, S., 2020. Evaluation of different spraying programs in the chemical control of powdery mildew disease (*Erysiphe necator* Schw.) in vineyards in Manisa province. Bulletin of Plant Protection, vol. 60, no.2, pp.55-62.
2. **Savaş Güngör, N.**, Akgül, D. S., Albaz, E., Savaş, Y., 2018. Determination of Soil Microfungi before and after Solarization Application in the Vine Sapling Production Plot. Turkish Journal of Agriculture and Natural Sciences, vol.5, no.4, pp.386–395.
3. **Savaş Güngör, N.**, Albaz, E., Koplay, C., Çoşkunoglu, E., 2018. Investigation of the In vivo Efficacy of Some Effective Substances Licensed for Vinegar Powder (*Erysiphe necator* Schw.). Garden Magazine (Special Issue 1), vol.47, no.1, pp. 417–421. ISSN 1300–8943
4. Akgül, DS, Savaş, Y., **Savaş Güngör, N.**, Yağcı, A., 2016. The Effects of Hot Water Applications on the Growth of Botryosphaeriaceae Fungi under Controlled Conditions and Vitality of Eyes in Vine Pen and Cuttings, Ege University Journal of the Faculty of Agriculture, vol.53, pp.99- 107.
5. **Savaş Güngör, N.** Importance and control of Gray Mold (*Botrytis cinerea*), the causative agent of Cluster Rot. Harvest Crop Production, vol.29, no.347, ISSN:1302-1702. 2014.
6. **Savaş Güngör, N.**, Özgen, B., 2013. Determination of Alternaria spp. and Aspergillus spp. Density in Sultani Seedless Vineyards in the Aegean Region. Selcuk Journal of Agriculture and Food Sciences-Vol. 27 (Special Issue), ISSN:1309-0550.

▪ National Papers, Seminars, etc.

1. **Savaş Güngör, N.**, Albaz, E., Savaş, Y., Akgül, D., S., Önder, S., Onoğur, E., 2017. The Control of Vineyard Powdery Mildew Disease (*Erysiphe necator* Schw.) in Manisa Province Investigation of Prediction and Early Warning Model Usage Possibilities. 9. Viticulture and Technologies Symposium, 11-14 September, Ankara. (Oral)
2. **Savaş Güngör, N.**, Albaz, E., Koplay, C., 2017. Investigation of the In vivo Efficacy of Some Effective Substances Licensed for Vineyard Powdery (*Erysiphe necator* Schw.). 9. Viticulture and Technologies Symposium, 11-14 September, Ankara. (Oral)
3. Albaz E., **Savaş Güngör, N.** Teker, T., 2017. Cluster Moth Lobesia botrana Den.&Schiff. Investigation of the Efficacy of Some Pesticides Used in Chemical Control of (Lepidoptera: Tortricidae). 9. Viticulture and Technologies Symposium 11-15 September. (Oral)



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4. **Savaş Güngör, N.**, Önder, S., Albaz, E., 2016. Determination of the Efficiency of Different Spraying Programs Against Powdery Mildew Disease (*Erysiphe necator* Schw.) in Vineyard. Turkey with International Participation VI. Plant Protection Congress, 5-8 September, Konya, p. 135. (Poster).
5. Akgül, D. S., AWAN, Q. N. , **Savaş Güngör, N.**, 2016. Susceptibility of Some Botryosphaeriaceae Fungi to In vitro Hot Water Applications in Vines. Turkey with International Participation VI. Plant Protection Congress, 5-8 September, Konya. (Poster).
6. Akgül, D. S., AWAN, Q. N. , **Savaş Güngör, N.**, 2016. Susceptibility of Botryosphaeriaceae Fungi in Vine to Some Fungicides. Turkey with International Participation VI. Plant Protection Congress, 5-8 September, Konya. (Poster).
7. **Savaş Güngör, N.**, Albaz, E., Savaş, Y., and Karahan, B., 2015. Determination of Susceptibility to Some Fungicides of Gray Mold (*Botrytis cinerea* Pers.) Isolated from Vineyards in Manisa Province. VII. National Horticultural Congress, 25-29 August, Çanakkale, p. 26. (Oral)
8. **Savaş Güngör, N.**, Akgül, D. S. and Savaş, Y., 2014. Evaluation of Pesticide Use and Food Safety. 4th Traditional Foods Symposium, 17-19 April, Adana, p. 730. (Poster)
9. **Savaş Güngör, N.**, Akgül, D. S., Savaş, Y., 2014. Determination of Control Methods Against Fungal Organisms in Grafted Vine Cuttings and Its Effect on Sapling Quality. V. Turkey Plant Protection Congress, 3-5 February, Antalya, p. 243. (Poster).
10. Akgül, D. S., **Savaş Güngör, N.**, 2014. Species Causing Botryosphaeria Gangrene Disease in Some Vineyards in Turkey. V. Turkey Plant Protection Congress, 3-5 February, Antalya, p.173. (Verbal).
11. **Savaş Güngör, N.**, Özgen, B., 2013. Determination of *Alternaria* spp. and *Aspergillus* spp. Density in Sultani Seedless Vineyards in the Aegean Region. 8. Viticulture and Technologies Symposium. 25-28 September, Konya (Oral).
12. **Savaş Güngör, N.**, Yıldız, F., 2012. Fighting Possibilities of *Alternaria* spp. in Sultani Seedless Grape Varieties in Aegean Region Vineyards. V. Preservation and Marketing in Horticultural Products Symposium, 18-21 September, İzmir, (Oral).
13. Delen, N., Durmuşoğlu, E., Güncan, A., **Güngör, N.**, Turgut, C., Burçak, A. 2005. Pesticide Use, Residue and Susceptibility Decreased Problems in Turkey. VI. Turkish Agricultural Engineering Technical Congress, 3-7 January, Ankara, (Oral).

▪ **OTHER PUBLICATIONS**

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

1. Teker, T., **Savaş Güngör, N.**, 2018. Cultural Practices Facilitating Agricultural Control in Viticulture More Effective Control, Less Spraying. Apelasyon e-Journal. June, issue 55.
2. **Savaş Güngör, N.**, 2017. Diseases that Cause Vineyards. Agricultural Agenda Magazine. 39, 55.
3. **Savaş Güngör, N.**, 2016. Pesticide Residue in the Vineyard. Turgutlu Commodity Exchange Sariatın Magazine, 7, 40.
4. **Savaş Güngör, N.**, 2016. Summer Diseases in Vineyards. Apelasyon e-Journal. July, Issue: 32.
5. **Savaş Güngör, N.**, 2016. Main Fungal Diseases in Vineyards and its Control Program. Apelasyon e-Journal. April, Issue: 29.
6. **Savaş Güngör, N.**, 2015. Forecasting and Early Warning Systems in Viticulture. Apelasyon e-Journal. October, Issue:23.



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7. Savaş Güngör, N., 2015. Forecasting and Warning Systems in Viticulture. Apelasyon e-Journal. October, Issue:23.
8. Savaş Güngör, N., 2015. Winter Struggle in the Vineyards. Turkish Journal of Agriculture.
9. Savaş Güngör, N., Teker, T. 2015. Gangrene and Mortality Back Diseases in Vines. Journal of Agriculture and Life in Kahramanmaraş, Issue: 3, January-February-March, p. 35-36.
10. Savaş Güngör, N., 2013. Post-Harvest Diseases and Control Methods of Table Sultani Seedless Grape Varieties. Manisa Journal of Food, Agriculture and Livestock. Issue 6, pp. 16-17.
11. Savaş Güngör, N., 2012. Status of Alternaria spp. in Sultani Seedless Grape Varieties in Aegean Region Vineyards and Fight Opportunities, Ege University, Institute of Science, Doctoral Thesis.
12. Güngör, N., 2006. Studies on the Effectiveness of Different Preparations of Effective Substances Licensed for Gray Mold in Vineyards and Tomatoes on Botrytis Cinerea, Ege University, Institute of Science, Master Thesis.

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

1. University of Palermo -Faculty of Agriculture, IRVOS - Vine & Wine Institute, Palermo/Sicily/ITALY (Funded by EU Project/Erasmus+ Programme) "Investigation of Environmentally Friendly Production Techniques (Organic-Good Agricultural Practices) in Table Grape Cultivation" - AB Erasmus + (2015-1-TR01-KA104-018668), 11.07.2016-24.07.2016, Palermo / İTALYA
2. Turkish Microbiology Society
3. Turkish Phytopathology Association
4. Horticulture Association