



TAGEM
R&D AND INNOVATION

VITICULTURE RESEARCH INSTITUTE / MANISA

FULYA KUŞTUTAN, PhD.

Agricultural Engineer

EDUCATION

- PhD**
2011-2018
Yüzüncü Yıl University
Faculty of Agriculture
- MSc**
2006-2009
Adnan Menderes University
Faculty of Agriculture
- Bachelor's Degree**
2002-2006
Adnan Menderes University
Faculty of Agriculture
- LANGUAGE**
English ÜDS-51,25

CAREER

- 2013 - .. PhD, Manisa Viticulture Research Institute-Manisa.
- 2011- March/2013, MSc, East Mediterranean Transitional Zone Agricultural Research of Institute- Kahramanmaraş
- 2011-February, Instructor, Erciş Junior Technical College -Van

ABOUT ME

She was born in 1983 in Aydın province. She has completed her bachelor's degree at Aydın Adnan Menderes University Faculty of Agriculture in 2006 and MSc. in 2009. She has completed her PhD. at Van Yüzüncü Yıl University, Department of Science Department of Sciences. She has worked at East Mediterranean Transitional Zone Agricultural Research of Institute in between 2011-2013. She is currently working at Viticulture Research Institute/Manisa.

CONTACT

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▪ **PROJECTS**

▪ **Projects Conducted**

1. Determination, Establishment of a Database and Mapping of Plant Nutrient and Potential Toxic Element Contents of Agricultural Soils in Balıkesir and Çanakkale Provinces. TAGEM Project, **Researcher (2021)**.
2. Turkey Identification, Conservation and Identification of Vine Genetic Resources. II. Stage, TAGEM Project, **Researcher (2021)**.
3. The Effect of Determination of Boron Toxicity Status and Applications for Reducing Toxicity of Alfalfa (*Medicago sativa* L.) on Grape Yield and Quality in Vineyard Areas with Intense Geothermal Resources in Manisa Region. TAGEM Project, **Project Leader (2020)**.
4. The Effect of Different Doses of Zinc (Zn) Applications on Yield and Quality in Sultani Çekirdeksiz Grape Variety. TAGEM Project, **Researcher (2018)**.
5. Yonca (*Medicago sativa* L.) Correctional and original Seed production Centre Infrastructure, TAGEM Project, **Researcher (2015)**.
6. Çukurova Conditions Different Row Spacing Some of the Plant Growth Regulator Clover (*Medicago sativa* L.) The Seed Yield and Effect of Herbal Properties, TAGEM Project, **Researcher (2015)**.



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▪ **Ongoing Projects**

1. Effects of Covering Crops Grown in Various Periods and Compost with Reduced Fertilizer Doses on Grape Yield, Quality and Soil Properties. TAGEM Project, **Project Leader (Ongoing)**.
2. The Effect of Different Irrigation and Potassium Levels on Yield/Quality Parameters of Sultani Seedless (*Vitis vinifera* L.) Grape Varieties Irrigated with Subsurface Drip Irrigation. TAGEM Project, **Researcher (Ongoing)**.
3. Determining the Effects of Climatic Factors on Fruit Yield and Quality in Viticulture: Manisa Region. TAGEM Project, **Researcher (Ongoing)**.
4. Main Project: Organic Table Grape Growing
Sub-Projects: Determining the Effect of Conservative Soil Tillage Methods in Organic Table Grape Cultivation and New Approaches in Weed Control on Grape yield and Quality. TAGEM Project, **Researcher (Ongoing)**.
5. Effects of Different Production Models on Table Grape Cultivation in Soilless Agriculture. TAGEM Project, **Researcher (Ongoing)**.
6. Turkey Identification, Conservation and Identification of Vine Genetic Resources. TAGEM Project, **Researcher (Ongoing)**.



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▪ **PUBLICATIONS**

▪ **INTERNATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in International Journals**

1. Aydın, M., **Çakır F.**, 2009, Research on Weed Species for Phytoremediation of Boron Polluted Soil, African Journal of Biotechnology Vol. 8(18), pp. 4514-4518, 15 September, ISSN 1684-5315, Available Online at <http://www.academicjournals.org/AJB>.

▪ **Uluslararası Bildiriler, Seminerler vb.**

1. **Kuşutun, F.**, Ateş, F., Merken, Ö., Toprak Özcan, E., 2019. A Research on the Alfalfa Varieties with Resistant Leguminous Fodder Plant Growing in Vineyard Areas with Boron Toxicity, 10th International Soil Congress, Successful Transformation toward Land Degradation Neutrality: Future Perspective, 17-19 June 2019, Ankara-Turkey.
2. **Kuşutun, F.**, Ateş, F., Toprak Özcan, E., 2019. The Effects Of Alfalfa On Using Possibilities and Weed Control In Viticulture, 6th International Conference On Sustainable Agriculture And Environment (ICSAE-6), 3-5 October 2019, Konya-Turkey.
3. **Kuşutun, F.**, Toprak Özcan, E., Ateş, F., Kesgin, M., 2019. Ampelographic Characteristics of Karazdağı and Çavuş Grape Varieties, 6th International Conference On Sustainable Agriculture And Environment (ICSAE-6), 3-5 October 2019, Konya-Turkey.
4. Ateş, F., **Kuşutun, F.**, Memiş, T., Kanal, D., 2019. Determinations of Adaptation Level of Some Table Grape Varieties in Terms of Climatic Data in Alaşehir District in Manisa (in Turkey), 6th International Conference On Sustainable Agriculture And Environment (ICSAE-6), 3-5 October 2019, Konya-Turkey.
5. Ateş, F., **Kuşutun, F.**, Simsek, H., 2019. Determination of Some Physical and Chemical Properties of Vineyards of Alaşehir District in Manisa 6th International Conference On Sustainable Agriculture And Environment (ICSAE-6), 3-5 October 2019, Konya-Turkey.
6. Merken, Ö., Teker, T., Ünal, A., Soltekin, O., **Kuşutun, F.**, Albaz, E., Karabat, S., 2019. Determination of Plant Nutrient Element Contents of Balıkesir Province Soils, 6th International Conference on Sustainable Agriculture and Environment, 3-5 October 2019, Konya-Turkey.
7. Ateş, F., **Kuşutun, F.**, 2019. Importance of Composting in Viticulture, II. Uluslararası Tarım Kongresi (UTAK 2019), 21-24 Kasım 2019, Ayaş/Ankara-Turkey.



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

8. **Kuşutun, F.**, Ateş, F., Terzioğlu, Ö., Akın, A., 2018. Determination of the Nutrient Content of the Vineyard Soils with Excess Boron in the District of Alaşehir, I. International Agricultural Science Congress, 09-12 May 2018, Van-Turkey.
9. Ateş, F., **Kuşutun, F.**, 2018. Developments of Organic Viticulture in Turkey International Ecology Symposium, 19-23 June 2018, Kastamonu-Turkey.
10. **Kuşutun, F.**, Ateş, F., Toprak Özcan E., 2018. A Study on the Determination of Boron Values of Bonded Areas Where Geothermal Resources are Present and Bonded Geothermal Resources, 4th International Agriculture Congress, 05 - 08 July 2018, Nevşehir-Turkey.
11. **Kuşutun, F.**, Toprak Özcan, E., Ateş, F., Kesgin, M., 2018. Ampelographic Characteristics of Alyanak and Devegözü Grape Varieties, 29th International Scientific-Expert Conference of Agriculture and Food Industry, 26-28 September 2018, Çeşme-İzmir.
12. Ateş, F., **Kuşutun, F.**, 2018. Determination of Properties of Antep Karası Grape Variety Grown Soils in Vineyards of Alaşehir, 29th International Scientific-Expert Conference of Agriculture and Food Industry 26-28 September 2018, Çeşme-İzmir.
13. Minareci, E., **Kuşutun, F.**, Minareci, O., Bali, M., Pekönür, S., 2017. Determination of Boron Toxicity Problems in Prevalent Viticulture Areas of Manisa. XIII. Congress of Ecology and Environment With International Participation, 12-15 September 2017, Edirne-Turkey.
14. **Kuşutun, F.**, 2017. Ağır Metallerle Kirlenmiş Topraklarda Fitoremediasyonun Önemi, V. Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, 12-15 Eylül 2017, Kırklareli-Turkey.
15. Ateş, F., **Kuşutun, F.**, 2017. Determination of Some Physical and Chemical Properties of Crimson Seedless Grape Variety Grown Soils in Vineyards of Alaşehir District on Manisa, 3rd International Symposium For Agriculture And Food-ISAF, 18-20 October 2017, Ohrid, Republic of Macedonia.
16. Ateş, F., **Kuşutun, F.**, 2017. Determination of Some Physical and Chemical Properties of Crimson Seedless Grape Variety Grown Soils in Vineyards of Alaşehir District on Manisa. 3rd International Symposium For Agriculture And Food-ISAF 2017-18-20 October 2017-Ohrid, Republic of Macedonia.
17. Ateş, F., **Kuşutun, F.**, 2017. Determination of Some Physical and Chemical Properties of Crimson Seedless Grape Variety Grown Soils in Vineyards of Alaşehir District on Manisa, 3rd International Symposium For Agriculture And Food-ISAF, 18-20 October 2017, Ohrid, Republic of Macedonia.



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) **International Calls, Seminars etc..**

18. **Kuştuhan, F.**, Merken, Ö., Ateş, F., 2016. Effect of Fertilization With Green Manure on The Yield and Quality in Viticulture, "5th Eurosoil International Congress", 16-21 October 2016, İstanbul-Turkey.
19. **Kuştuhan, F.** 2016. Bitki Büyümesi ve Fizyolojisinde Borun Etkileri, Uluslararası Tarımda Bor Sempozyumu, 16-18 Kasım 2016, Ankara-Turkey.
20. **Kuştuhan, F.**, Merken, Ö., Ateş, F. 2015. Borun Topraktaki Önemi. 4. Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, 1-4 Eylül 2015, Kahramanmaraş-Turkey.



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▪ NATIONAL ARTICLES AND PAPERS

▪ Articles Published in National Journals

1. Ateş, F., **Kuşutun, F.**, 2021. Determination Of Some Physical And Chemical Properties Of Crimson Seedless Grape Variety Soils İn Vineyards Of Alaşehir For Growing Quality Grape. Journal Of Food Health And Technology Innovations, 4 (8), 241-251.
2. **Kuşutun, F.**, Merken, Ö., Ateş, F., 2018. The Importance Of Plant Nutrient Deficiency İn Vineyards. Bahçe 47 (Özel Sayı 1: Türkiye 9. Bağcılık Ve Teknolojileri Sempozyumu): 225-227 (2018)Issn 1300-8943.
3. **Kuşutun, F.**, Ateş, F., Akın, A., 2017. Alaşehir District (Manisa) Superior Seedless Grape Varieties Grown İn Some Physical And Chemical Properties Of Soils. Harran Tarım Ve Gıda Bilimleri Dergisi 21(1): 16-23.
4. Ateş, F., **Kuşutun, F.**, Dardeniz, A., Yüksel, S., 2016. Determination Of Some Physical And Chemical Properties Of Mevlana Grape Variety Grown Soils İn Vineyards Of Alaşehir District İn Manisa. Çomü Zir. Fak. Derg. (Comu J. Agric. Fac.), 4 (2): 37-43.
5. Ateş, F., **Kuşutun, F.**, Merken, Ö., Yüksel, S., 2016. Alaşehir District (Manisa) Sultani Çekirdeksiz Grape Varieties Grown in Some Physical and Chemical Properties of Soils. ÇOMÜ Zir. Fak. Derg. (COMU J. Agric. Fac.), 4 (1): 31-36.
6. **Kuşutun, F.**, Merken, Ö., Ateş, F., 2016. The Importance of Boron in Viticulture. Atatürk Bahçe Kùltürleri Merkez Araştırma Enstitüsü Dergisi, Bahçe ISSN: 1300 8943, Özel Sayı, Sayı: 45, Yalova, Bahçe Bilimi Yayın No: 6.
7. Merken, Ö., İnan, M. S., **Kuşutun, F.**, 2016. Investigation of the Effects of Organomineral Soil Conditioner Application on Yield and Quality in Sultani Seedless Grape Varieties. Atatürk Bahçe Kùltürleri Merkez Araştırma Enstitüsü Dergisi, Bahçe ISSN: 1300 8943, Özel Sayı, Sayı: 45, Yalova, Bahçe Bilimi Yayın No: 6.



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▪ National Papers, Seminars, etc.

1. Ateş, F., **Kuşutun, F.**, 2019. Türkiye’de Biyodinamik Bağcılıkta Kullanılan Preparatlar ve Özellikleri. 6. Organik Tarım Sempozyumu, 15-17 Mayıs 2019 Fuar İzmir (Gazimir-İzmir).
2. Merken Ö., Işık Y., Aydın M., Aşık M., **Kuşutun, F.**, Ateş F., Ünal A., İnan M. S., 2019. Sultani Çekirdeksiz Üzüm Çeşidinde Farklı Dozlarda Çinko Sülfat ($ZnSO_4 \cdot 7H_2O$) Uygulamalarının Verim ve Kaliteye Etkisi, 8. Ulusal Bitki Besleme ve Gübre Kongresi, 12-15 Mart 2019, Antalya.
3. Ateş, F., **Kuşutun, F.**, 2019. Türkiye’de Organik Üzüm Yetiştiriciliği, 6. Organik Tarım Sempozyumu, 15-17 Mayıs 2019, Fuar İzmir (Gazimir-İzmir).
4. Ateş, F., Yağmur, B., **Kuşutun, F.**, 2016. Organik Üzüm Yetiştiriciliğinde Organik Preparat Uygulamalarının Toprağın Bazı Fiziksel ve Kimyasal Özellikleri Üzerine Etkileri. III. Ulusal Tarım Kongresi, 05-08 Ekim 2016, Afyon.
5. **Kuşutun, F.**, Merken, Ö., Ateş, F. 2015. Bağcılıkta Borun Önemi, VII. Ulusal Bahçe Bitkileri Kongresi, 25-29 Ağustos 2015, Çanakkale.
6. **Kuşutun, F.**, Ateş, F., Merken, Ö., 2017. Kükürtün Bitki Büyümesindeki Önemi, II. Çanakkale Tarımı Sempozyumu, 14-15 Aralık 2017, Çanakkale.
7. **Kuşutun, F.**, Merken, Ö., Ateş, F., 2017. Bağlarda Bitki Besin Elementi Eksikliğinin Önemi, Türkiye IX. Bağcılık ve Teknolojileri Sempozyumu, 11-14 Eylül 2017, Ankara.
8. Merken, Ö., İnan, M. S., **Kuşutun, F.**, 2015. Sultani Çekirdeksiz Üzüm Çeşidinde Organomineral Toprak Düzenleyici Uygulamanın Verim ve Kaliteye Olan Etkilerinin Araştırılması, VII. Ulusal Bahçe Bitkileri Kongresi, 25-29 Ağustos 2015, Çanakkale.



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Agricultural Engineer



▪ **OTHER PUBLICATIONS**

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

1. **Kuşutan, F.**, 2018. Research On The Reduction Of Boron Toxicity In Different Areas Of Different Alfalfa (*Medicago sativa* L.). PhD Thesis, Yüzüncü Yıl University, Graduate School of Natural and Applied Science, Department of Field Crops, Van.
2. **Kuşutan, F.**, 2009. The Effects of Some Weed Species Growing in Soils Containing High Levels of Boron on Nutritional Balance of Figs. MSc Thesis, Adnan Menderes University, Graduate School of Natural and Applied Science, Department of Soil, Aydın.
3. **Kuşutan, F.**, Merken, Ö., Ateş, F., Güngör Savaş, N., Terzioğlu, Ö., 2020. The Effect Of Alfalfa (*Medicago sativa* L.) Applications For Boron Toxicity And Reducing Toxicity In The Vineyard Fields Of Geothermal Resources (Alaşehir). Result Report, Manisa Viticulture Research Institute, Manisa
4. **Kuşutan, F.**, 2016. Uluslararası Tarımda Bor Sempozyumu Bildiriler Kitabı (Proceedings Of International Symposium On Boron İn Agriculture), Bitki Büyümesi ve Fizyolojisinde Borun Etkileri, ISBN: 978-605-5310-94-3, Sayfa 93-94, 16-18 Kasım 2016, Ankara.
5. **Kuşutan, F.**, 2017. The Importance of Hyperaccumulatory Plants. <http://www.apelasyon.com>. February, Number: 39.
6. **Kuşutan, F.**, 2016. The Importance of Organic Agriculture. <http://www.apelasyon.com>. August, Number: 33.
7. **Kuşutan, F.**, 2016. Effect on Geothermal and Boron in Vineyards. <http://www.apelasyon.com>. May, Number: 30.
8. **Kuşutan, F.**, Merken, Ö., 2015. Green Fertilization. <http://www.apelasyon.com>. February, Number: 15.



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

1. Tools for Water and Fertilizer Management in Agriculture. 2016. Uluslararası Tarımsal Araştırma ve Eğitim Merkezi Müdürlüğü, İzmir 2007.
2. Occupational Health and Safety Training. 2016. Manisa İl Tarım ve Orman Müdürlüğü, Manisa
3. Fertilizers and Fertilization Methods, Irrigation and Fertilization from Leaf. 2015. Manisa İl Tarım ve Orman Müdürlüğü, Manisa
4. Organic Agriculture. Panel. 2015. Manisa Bağcılık Araştırma Enstitüsü Müdürlüğü, Manisa
5. Good Agricultural Practices for Marketing, Production. Panel. 2014. Manisa İl Tarım ve Orman Müdürlüğü, Manisa.
6. TS-EN ISO 17025 Calibration and Laboratory Accreditation Management System. 2014. Elginkan Eğitim Vakfı, Manisa.
7. Occupational Health and Safety Training. 2014. Elginkan Eğitim Vakfı, Manisa.
8. Irrigation Systems and Project Preparation Technical Education. 2012. GAP Tarımsal Araştırma Enstitüsü Müdürlüğü, Urfa.
9. Forage Crops Cultivation Training. 2012. Eskişehir Geçit Kuşağı Tarımsal Araştırma Enstitüsü Müdürlüğü, Eskişehir.
10. Statistics Course. 2012. Doğu Akdeniz Geçit Kuşağı Tarımsal Araştırma Enstitüsü Müdürlüğü, Kahramanmaraş.
11. Statistics Course. 2011. Uluslararası Tarımsal Araştırma ve Eğitim Merkezi Müdürlüğü - İzmir
12. TMMOB Chamber Of Agricultural Engineers
13. Turkish Society for Horticultural Science
14. Turkish Soil Science Association