



TAGEM
R&D AND INNOVATION

WESTERN MEDITERRANEAN AGRICULTURAL
RESEARCH INSTITUTE / ANTALYA



MEHMET AYDOĐDU, PhD Agricultural Engineer

EDUCATION

- Assoc. prof**
- PhD** 2007-2013 Selçuk Üniversitesi Fen Bilimleri Enstitüsü
- MSc** 2004-2006 Selçuk Üniversitesi Ziraat Fakültesi
- Bachelor's Degree** 2000-2004 Selçuk Üniversitesi Ziraat Fakültesi
- LANGUAGE** İngilizce YDS 85 / ÜDS 75

CAREER

- 2014-.... Mühendis, Batı Akdeniz Tarımsal Araştırma Enstitüsü Müdürlüğü/ANTALYA
- 2006-2014 Mühendis, Ziraat Karantina Müdürlüğü/ANTALYA
- 2004-2006 Mühendis, Bahri Dağdaş Uluslararası Tarımsal Araştırma Enstitüsü Müdürlüğü/KONYA
- 2000-2004 Teknisyen, Bahri Dağdaş Uluslararası Tarımsal Araştırma Enstitüsü Müdürlüğü/KONYA

ABOUT ME


I was born in Adana in 1980 . In 1998 and 2004, I graduated from Amasya Gökhöyük Agricultural Vocational School and Agriculture Faculty of Selçuk University, respectively. In 2010, I participated in a training course (Determination of Genes conferring resistance to Stem Rust Race Ug99 in wheat cultivars and lines) at CIMMYT (International Maize and Wheat Improvement Center) in Mexico in 3 months.

“As project leader, I conducted two projects of TAGEM and participated as researcher in one AB and 5 projects of TAGEM. Nowadays, I have participated as researcher in 6 projects of TAGEM.

CONTACT

 Aksu-Expo Karşısı, BATEM

 mehmet.aydogdu@tarimorman.gov

 0242 321 67 97



MEHMET AYDOĞDU, PhD

Agricultural Engineer



▪ **PROJECTS**

▪ **Projects Conducted**

1. Determination of Diseases and Pests Causing Problems in Cultivation of Globe Artichoke in Antalya, İzmir and Aydın Provinces and Investigation of Their Management (2016-2019, TAGEM, Project Leader).
2. Investigation of Alternative Management Practices against Green Mold Disease (*Trichoderma* spp.) in Mushroom Cultivation (2017-2019, TAGEM, Project Leader).
3. RESIPATH: Responses of European Forests and Society to Invasive Pathogens (2014-2016, AB: BIODIVERSA, Researcher).
4. Determination of Diseases, Pests and Weeds Causing Problems in Leafy Vegetables in the Western Mediterranean Region of Turkey and Investigation of Their Management (2016-2018, TAGEM, Researcher).
5. Improvement of Genitors for Cucumber Breeding Programs and Seed Technology (2015-2019, TAGEM, Researcher).
6. Determination of Suitable Sowing Time and Sowing Density for Bread Wheat (*Triticum aestivum* L.) in the Western Mediterranean Region of Turkey (2016-2019, TAGEM, Researcher).
7. Studies on Quinoa (*Chenopodium quinoa* Willd.) in the Mediterranean Region of Turkey (2018-2020, TAGEM, Researcher).
8. Maize Breeding for Improvement of Cultivars Tolerant to Drought Stress (2017-2021, TAGEM, Researcher).

▪ **Ongoing Projects**

1. Cotton Breeding Studies in the Western Mediterranean Region of Turkey (2021-2025, TAGEM, Researcher).
2. Chickpea Breeding Studies in the Western Mediterranean Region of Turkey (2020-2024, TAGEM, Researcher).
3. Detection of *Trichoderma aggressivum* f. *europaeum* and *Trichoderma aggressivum* f. *aggressivum*, Causal Agents of Green Mold Disease in Mushroom Cultivation, from Compost and Casing Soil Through Multiplex Real-time PCR (2020-2022, TAGEM, Researcher).
4. Investigation of Cankers on Trunk and Branch of Pear Trees in Antalya, Burdur and Isparta Provinces and Their Management (2021-2023, TAGEM, Researcher).
5. Maize Breeding for Improvement of Cultivars Tolerant to Drought Stress (2021-2025, TAGEM, Researcher).
6. Improvement of Genitors for Cucumber Breeding Programs -II (2020-2024, TAGEM, Researcher).



MEHMET AYDOĞDU, PhD

Agricultural Engineer



■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **Articles Published in International Journals**

■ **Disease Notes**

1. Kurbetli, İ., Sülü G., **Aydoğdu, M.**, Özdemir, M., Sülü, S.M., Polat, İ. 2016. First report of kumquat shoot blight caused by Phytophthora citrophthora in Turkey. Plant Disease, 100 (5): 1023. doi:10.1094/PDIS-10-15-1154-PDN. (SCI)
2. **Aydoğdu, M.**, Kurbetli, İ., Ozan, S. 2016. First report of Sclerotium rolfsii causing crown rot on globe artichoke in Turkey. Plant Disease, 100 (10): 2161. doi:10.1094/PDIS-01-16-0057-PDN. (SCI)
3. Kurbetli, İ., **Aydoğdu, M.**, Sülü, G., Polat, İ. 2016. First report of pre-harvest rot of pear fruit caused by Botrytis cinerea in Turkey. New Disease Reports, 34:16. doi:10.5197/j.2044-0588.2016.034.016.
4. Kurbetli, İ., Sülü, G., **Aydoğdu, M.**, Polat, İ. 2017. First report of crown and root rot of plum caused by Phytophthora megasperma in Turkey. Plant Disease, 101 (1): 260. doi:10.1094/PDIS-06-16-0921-PDN. (SCI)
5. Kurbetli, İ., Aydoğdu, M., Çetinel, B. 2018. First report of Phytophthora nicotianae causing root and crown rot of strawberry in Turkey. New Disease Reports, 37: 18. doi: 10.5197/j.20440588.2018.037.018

■ **Short Communications**

1. Kurbetli, İ., **Aydoğdu, M.**, Sülü, G. 2017. Phytophthora chlamydospora and P. megasperma associated with root and crown rot of sour cherry in Turkey. Journal of Plant Diseases and Protection, 124: 403-406. doi:10.1007/s41348-017-0075-y. (SCI)

■ **Articles**

1. **Aydoğdu, M.**, 2015. Huitlacoche yield in some maize varieties in the Mediterranean region of Turkey. Food Science and Technology (Campinas). 35 (2): 386-390. doi:10.1590/1678-457X.6673. (SCI)
2. **Aydoğdu, M.**, Gölükçü, M. 2017. Nutritional value of huitlacoche, maize mushroom caused by Ustilago maydis. Food Science and Technology (Campinas), 37 (4): 531-535. doi:10.1590/1678-457x.19416. (SCI)
3. **Aydoğdu, M.**, Kurbetli, İ., Kitapçı, A., Sülü, G., 2020. Aggressiveness of green mould on cultivated mushroom (Agaricus bisporus) in Turkey. Journal of Plant Diseases and Protection, 127: 695-708. doi: 10.1007/s41348-020-00328-8 (SCI)
4. **Aydoğdu, M.**, Kaya, Y. 2020. Reactions of spring wheat varieties to common bunt (Tilletia laevis) in Turkey. Cereal Research Communications. 48: 333-339. doi:10.1007/s42976-020-00040-1 (SCI)
5. Kurbetli, İ., Karaca, G., **Aydoğdu, M.**, Sülü, G. 2020. Phytophthora species causing root and collar rot of pomegranate in Turkey. European Journal of Plant Pathology, 157: 485-496. doi:10.1007/s10658-020-02007-8 (SCI)
6. Kurbetli, İ., Sülü, G., **Aydoğdu, M.**, Woodward, S., Bayram, S. 2020. Outbreak of Phytophthora cinnamomi causing severe decline of avocado trees in southern Turkey. Journal of Phytopathology, 168 (9): 533-541. doi:10.1111/jph.12931 (SCI)
7. Kurbetli, İ., **Aydoğdu, M.**, Sülü, G., Woodward, S., Demirci, F. 2020. A potential role for Botryosphaeria parva (Anamorph Neofusicoccum parvum) in plane tree (Platanus orientalis) decline in Istanbul, Turkey. Forest Pathology, 50 (6): e12653. doi:10.1111/efp.12653 (SCI)



MEHMET AYDOĞDU, PhD

Agricultural Engineer



8. Guclu, V., **Aydoğdu, M.**, Basak, M., Kızıl, S., Uzun, B., Yol, E. 2020. Characterization of a groundnut collection to stem rot disease caused by *Sclerotium rolfsii*. *Australasian Plant Pathology* 49: 691-700. doi:10.1007/s13313-020-00748-y (SCI)
9. **Aydoğdu, M.**, Sülü, S.M., Kurbetli, İ., sülü, G. 2021. In vitro and in vivo biological control of the green mold using different bacteria in button mushroom cultivation. *Egyptian Journal of Biological Pest Control* 31: 70. doi:10.1186/s41938-021-00401-w (SCI)
10. **Aydoğdu, M.** 2021. Impact of seedling infection of septoria tritici blotch on bread wheat. *The Journal of Animal and Plant Sciences*, 31(2): 500-508. doi:10.36899/JAPS.2021.2.0239 (SCI)
11. **Aydoğdu, M.**, Koç A., 2021. Screening quinoa (*Chenopodium quinoa*) germplasm for resistance to downy mildew (*Peronospora variabilis*) in Turkey. *Crop and Pasture Science*, 72: 416-425. doi:10.1071/CP20508 (SCI)
12. **Aydoğdu, M.**, Keskin, L., Kurbetli, İ., Sülü, G. 2022. Occurrence of *Verticillium* wilt on globe artichoke and screening artichoke genotypes for resistance to *Verticillium dahliae* in Turkey. *Journal of Plant Pathology*, 104: 131-140. doi: 10.1007/s42161-021-00946-7 (SCI)
13. **Aydoğdu, M.**, Kurbetli, İ., Sülü, G. 2022. Occurrence of charcoal rot in globe artichoke and assessment of inoculation techniques for pathogenicity and management. *Brazilian Archives of Biology and Technology*. 65: e22210254. doi: 10.1590/1678-4324-2022210254 (SCI)

■ International Congress, etc.

1. Nicol, J. M., Bolat, N., Bağcı, S. A., Trethowan, R. T., William, M., Hekimhan, H., Yıldırım, A. F., Sahin, E., Elekcioglu, H., Toktay, H., Tunalı, B., Hede, A., Taner, S., Braun, H. J., Ginkel, M. van., Keser, M., Arsoy, Z., Tulek, A., Erdurmuş, D., Büyük, O., **Aydoğdu, M.** 2006. CIMMYT and TURKEY'S International shuttle breeding program to develop wheat lines with *Fusarium* crown rot and other soil borne pathogen resistance. International scab nursery consortium, March 14-17, El Batan, CIMMYT Mexico Headquarters, pp:110-116.
2. Hekimhan, H., Tülek, A., **Aydoğdu, M.**, 2015. The effects of foliar silicon application on rice plants at İpsala condition. 2nd International Symposium for Agriculture and Food, 7-9 October 2015, Ohrid, Republic of Macedonia, p: 240.
3. **Aydoğdu, M.**, Koç, A., Kurbetli, İ. 2017. Susceptibility of some bread wheat varieties to foliar diseases in the west Mediterranean region of Turkey. International Conference on Agriculture, Forest, Food Sciences and Technologies, 15-17 Mayıs, 2017, Kapadokya, Nevşehir, p:1178.
4. Hekimhan, H., Araz, A., **Aydoğdu, M.** 2017. Differences in virulence of *Rhynchosporium commune* isolates from central Anatolia on barley cultivars. Proceedings 3rd International Symposium for Agriculture and Food, 18-20 October 2017, Ohrid, Republic of Macedonia, pp:110-116.
5. Topuz, E., **Aydoğdu, M.**, Özdemir, M. 2017. A new pest in globe artichoke production areas of the western Mediterranean region: *Vanessa cardui* (Linnaeus, 1758) (Lepidoptera: Nymphalidae) International Conference on Agriculture, Forest, Food Sciences and Technologies, 15-17 Mayıs, 2017, Kapadokya, Nevşehir, p: 1180.
6. Oskay, F., Lehtijärvi, A., Aday Kaya, A. G., Kurbetli, İ., **Aydoğdu, M.**, Doğmuş Lehtijärvi, T., Woodward, S. 2017. Dutch elm disease in Turkey. International Symposium on New Horizons in Forestry, 18-20 October 2017, Isparta-Turkey, p:85.
7. **Aydoğdu, M.**, Koç, A., 2019. Presence of mycoflora on quinoa seeds and germination problems. International Congress on Agriculture and Forestry Research, 8-10 April 2019, Marmaris, Turkey, pp: 771-781.
8. **Aydoğdu, M.**, 2021. Antifungal potential of native bacteria against *Sclerotinia sclerotiorum*. 7th International Agriculture Congress, 16 October, 2021, Online, p:19.

ARTICLES IN NATIONAL JOURNALS

1. **Aydođdu, M.**, Aydođan, S., Ercan B., Güneş, A. 2005. Konya ilinin deđişik yörelerinden alınan buđday numunelerinin sürme spor yüklerinin tespiti ve kullanılan tohumluđun niteliđi. *Bitkisel Arařtırma Dergisi*, 2: 15-18.
2. **Aydođdu, M.**, Boyraz, N. 2005. Bitki büyüme düzenleyicileri (hormon) ve hastalıklara dayanıklılık. *Bitkisel Arařtırma Dergisi*, 1: 35-40.
3. **Aydođdu, M.**, Boyraz, N. 2010. Bitki patojeni funguslara karşı kullanılan mikrobiyal fungusitler. *Selçuk Tarım ve Gıda Bilimleri Dergisi*, 24 (4): 82-91.
4. Bađcı, S.A., Hekimhan, H., Arısoy, R. Z., Taner, A., Büyük, O., Nicol, J., **Aydođdu, M.** 2010. Farklı münavebe sistemlerinin hububat kök ve kökbođazı çürüklüğü hastalıđı üzerine etkisi. *Bitkisel Arařtırma Dergisi*, 2: 25-30.
5. **Aydođdu, M.**, Boyraz, N. 2012. Stem rust (ug99), seen as a threat globally. *Akdeniz Üniversitesi Ziraat Fakültesi Dergisi*, 25 (1): 23-28.
6. **Aydođdu, M.**, Boyraz, N. 2017. Arařtırma laboratuvarından Meksika mutfađına: *Ustilago maydis*. *Selçuk Tarım ve Gıda Bilimleri Dergisi*, 31 (3): 177-183. doi:10.15316/SJAFS.2017.52
7. **Aydođdu, M.**, Kurbetli, İ. 2020. Identification and characterization of white mold disease (*Sclerotinia sclerotiorum*) in globe artichoke. *Selcuk Journal of Agriculture and Food Sciences*, 34 (3): 223-231. doi: 10.15316/SJAFS.2020.220
8. **Aydođdu, M.**, Kurbetli, İ., Canpolat, S. 2020. Prevalence of artichoke head rot (*Botrytis cinerea* Pers.) disease and determining its effect on production in the Western Mediterranean Region of Turkey. *Bitki Koruma Bülteni*, 60 (4): 21-29. doi: 0.16955/bitkorb.713361
9. **Aydođdu, M.**, Kurbetli, İ. 2021. Biotic interactions of cultivated mushroom and green mold disease in compost and casing soil. *Harran Tarım ve Gıda Bilimleri Dergisi*, 25(1): 13-22. doi: 10.29050/harranziraat.795177
10. **Aydođdu, M.**, Sülü, G., Kurbetli, İ. 2021. Characterization of powdery mildew (*Leveillula taurica*) in globe artichoke (*Cynara scolymus*). *Mediterranean Agricultural Sciences*, 34(1): 17-24. doi: 10.29136/mediterranean.770306

AND PROCEEDINGS

1. Hekimhan, H., Bađcı, S. A., Aktaş, H., Nicol, J. M., **Aydođdu, M.**, Akbudak., A. 2007. Bazı fungusitlerin Selçuklu- 97 ve Seri-82 buđdaylarının verimleri ile kök ve kökbođazı çürüklüğü hastalık řiddeti üzerine etkisi. *Türkiye II. Bitki Koruma Kongresi*, 27-29 Ađustos, Isparta. s:321.
2. Akyazı, R., Köse, E., Arısoy, D., Güleç, G., Gölükçü, ř. B., Çeřmeli, İ., Örnek, H., Yarba, M. M., řevik, M. A., **Aydođdu, M.**, 2008. Antalya ilinde tohumluk ve çiçek sođanlarının ithal ve ihraç durumları. *Türkiye III. Tohumculuk Kongresi Bildirileri*, 25- 28 Haziran 2008, Kapadokya – Nevşehir, s: 109-114.
3. Çalıřkan, M., **Aydođdu, M.**, Koç, A. 2017. Batı Akdeniz Bölgesi yerel yulaf genotiplerinin bazı fungal hastalıklara tepkileri. *Türkiye 12. Tarla Bitkileri Kongresi*, 12-15 Eylül 2017, Kahramanmaraş, s:96-100.
4. **Aydođdu, M.**, Kurbetli, İ., 2018. Batı Akdeniz Bölgesinde buđdayda fungal yaprak hastalıklarının yaygınlığı ve konukçu tepkilerinin belirlenmesi. *Türkiye VII. Bitki Koruma Kongresi (Uluslararası Katılımlı)*, 14-17 Kasım 2018, Muđla, s:66.
5. Kurbetli, İ., **Aydođdu, M.**, Sülü, G., 2018. Türkiye’de yeni bir hastalık: *Diaporthe eres* (Anamorph *Phomopsis oblonga*)’in neden olduđu Armut kök ve kökbođazı. *Türkiye VII. Bitki Koruma Kongresi (Uluslararası Katılımlı)*, 14-17 Kasım 2018, Muđla, s:224.
6. Gümrükcü E., **Aydođdu, M.**, Karatekin, N., 2018. Batı Akdeniz Bölgesi yaprađı yenen sebzelerde görülen fungal hastalıkların belirlenmesi. *Türkiye VII. Bitki Koruma Kongresi (Uluslararası Katılımlı)*, 14-17 Kasım 2018, Muđla, s:65.

OTHER PUBLICATIONS

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

1. **Aydođdu, M.**, Boyraz, N. 2006. Determination of susceptibility of some maize varieties against corn smut caused by *Ustilago maydis* (DC) Corda. *The Journal of Turkish Phytopathology*, 34 (1-3): 33-41.
2. Nicol, J. M., Bolat, N., Bađcı, S. A., Trethowan, R. T., William, M., Hekimhan, H., Yıldırım, A. F., Sahin, E., Elekcioglu, H., Toktay, H., Tunalı, B., Hede, A., Taner, S., Braun, H. J., Ginkel, M. van., Keser, M., Arısoy, Z., Tulek, A., Erdurmuş, D., Büyük, O. and **Aydođdu, M.**, 2007, The International breeding strategy for the incorporation of resistance in bread wheat against the soil borne pathogens (Dryland Root Rot and Cyst and Lesion Cereal Nematodes) using

conventional and molecular tools, H. T. Buck et al. (eds.), Wheat Production in Stressed Environments, (**Book chapter, 17**), Springer, Netherlands, 125-137.

3. **Aydođdu, M.**, Boyraz, N., 2011. Effects of nitrogen and organic fertilization on corn smut (*Ustilago maydis* (DC) Corda.). African Journal of Agricultural Research, 6 (19): 4539-4543. doi: 10.5897/AJAR10.1166. (SCI)
4. **Aydođdu, M.**, Boyraz, N., Kaya, Y. 2015. Effect of yield losses on maize (*Zea mays* L.) caused by smut disease (*Ustilago maydis* (DC) Corda). The Journal of Turkish Phytopathology, 44 (1-3): 23-30.
5. **Aydođdu, M.**, Boyraz, N. 2016. Responses of some maize cultivars to smut disease, *Ustilago maydis* (DC) Corda. Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, 29 (1): 1-4.
6. **Aydođdu, M.**, Boyraz, N. 2018. Mycoflora on maize cobs infected by *Ustilago maydis* (DC) Corda. Selcuk Journal of Agriculture and Food Sciences, 32 (2): 152-157. doi: 10.15316/SJAFS.2018.78
7. **Aydođdu, M.**, Boyraz, N. 2018. Influence of pollination on smut disease and yield in maize. Journal of Agricultural Sciences, 24 (4): 463-470. (SCI)

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

1. Türkiye II. Bitki Koruma Kongresi, 27-29 Ağustos 2007, Isparta.
2. Ug99 Kara Pasa Dayanıklı Buğday Çeşit Hatlarında Dayanıklık Genlerinin Belirlenmesi- CIMMYT, (Eđitim), 3 ay (30 Aralık 2009 – 30 Mart 2010), (ElBatan)- (Obregon)/ Meksika.
3. Bitki Sađlığı Kontrolleri / Orman Kararları (PHC), 15-18 Şubat 2011, Lizbon/Portekiz.
4. Türkiye V. Bitki Koruma Kongresi, 3-5 Şubat 2014, Antalya.
5. Türkiye II. Orman Entomolojisi ve Patolojisi Sempozyumu, 7-9 Nisan 2014, Antalya.
6. Uluslararası Laboratuvar Karşılaştırma Çalışmaları (ICS) PPCRI, 11. Dönem Türkiye-Hollanda Tarım Çalışma Grubu, 7-8 Mayıs 2014, Ankara.
7. Tahıl Ürünlerinde ve Beslenme Zincirinde Mikotoksinler: Bulaşmanın Azaltılmasında Engellejici ve Kontrol Stratejileri -(Eđitim), (CIHEAM), 12-16 Mayıs 2014, Zaragoza- İspanya.
8. Domates Yetiştiriciliğinde Entegre Ürün Yönetimi Sempozyumu, 20-22 Kasım 2014, Kumluca, Antalya.
9. Bahçe Bitkilerinde İstilacı Yabancı Otların Etkilerinin Azaltılması Çalıştayı: Gelecekteki İstilaların Önlenmesi, 31 Mayıs–1 Haziran 2016, Antalya (EXPO 2016).
10. International Conference on Agriculture, Forest, Food Sciences and Technologies, 15-17 Mayıs, 2017, Kapadokya, Nevşehir.
11. II. Yemeklik Kültür Mantarı Çalıştayı, 18-20 Aralık 2017, Antalya.
12. Türkiye VII. Bitki Koruma Kongresi (Uluslararası Katılımlı), 14-17 Kasım 2018, Muđla.
13. Uluslararası Tarım ve Orman Araştırmaları Kongresi, 8-10 Nisan 2019, Marmaris/Muđla.
14. 7. Uluslararası Tarım Kongresi, 16 Ekim 2021, Online.